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of exported fire-fighting products by Russian manufacturers



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of exported fire-fighting products by Russian manufacturers

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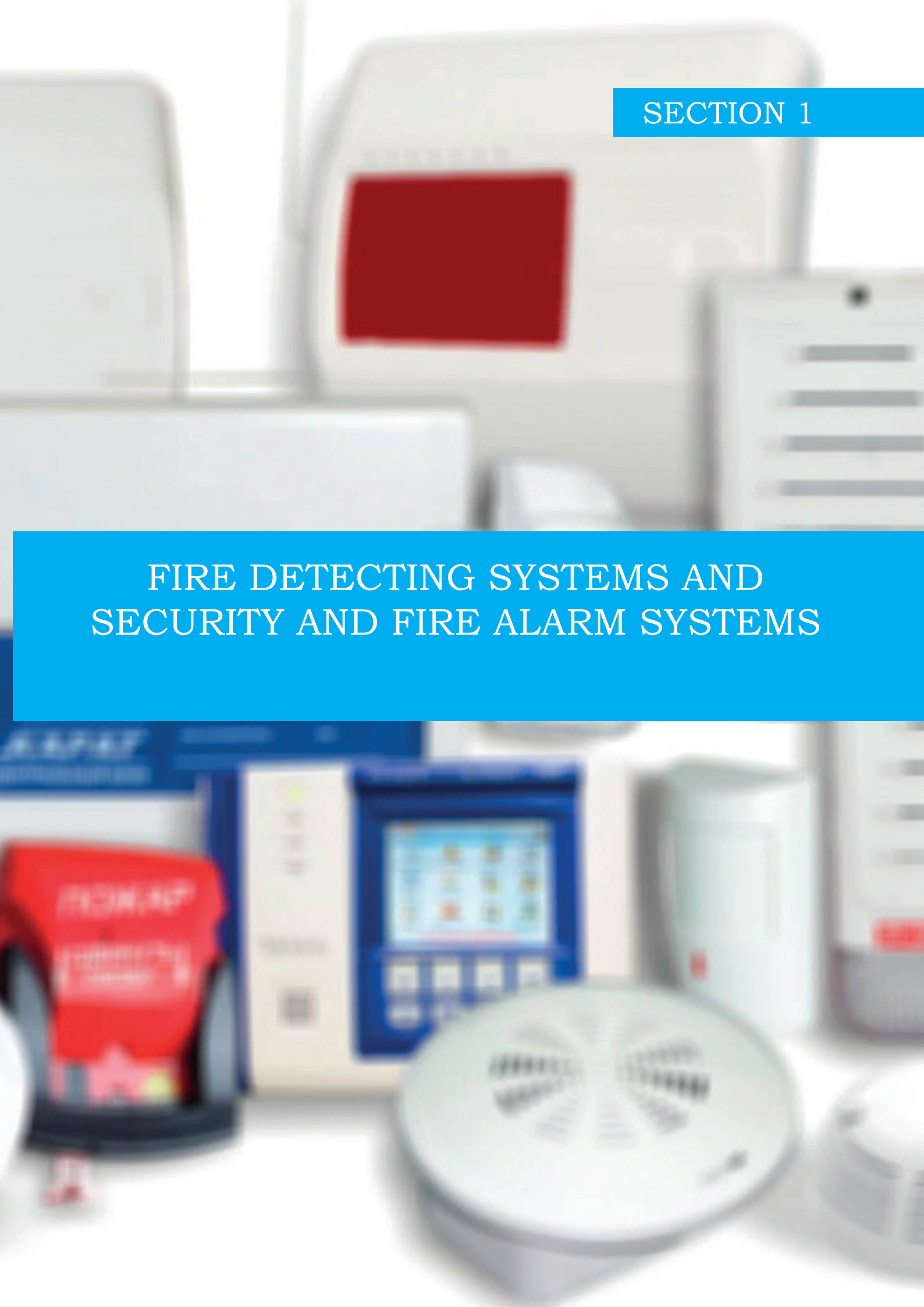
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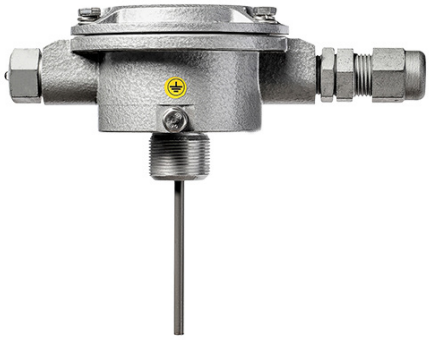
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SECTION 1

FIRE DETECTING SYSTEMS AND SECURITY AND FIRE ALARM SYSTEMS



TN VED Code 8531 10 950 0

Threshold explosion-proof heat fire detector

IP103-2/1-TR

It is designed for sending an alarm signal to the fire alarm loop in case the preset actuation temperature in the controlled environment is exceeded.

Key performance parameters
0Ex ia IIC T6..T5 Ga X
1Ex db IIC T6..T5 Gb X, IP67

Certificate of the Russian Federation.
Certificate of EMERCOM of the Republic of Kazakhstan.

Countries of export: EAEU, CIS.

Eridan JSC



TN VED Code 8531 10 950 0

Threshold explosion-proof heat fire detector

IP101-07e

It is designed for sending an alarm signal to the fire alarm loop in case the preset response temperature in the controlled environment is exceeded.

Key performance parameters

1Exd[ia]IICT4/T5/T6 X, IP67, the lowest-in-class current consumption - 30 μA.

Certificate of the Russian Federation.
EAEU Certificate.
Certificate of EMERCOM of the Republic of Kazakhstan.

Countries of export: EAEU, CIS.

Eridan JSC



TN VED Code 8531 10 950 0

Threshold programmable explosion-proof heat fire detector

IP101-07EM

It is designed for sending an alarm signal to the fire alarm loop in case the preset response temperature in the controlled environment is exceeded.

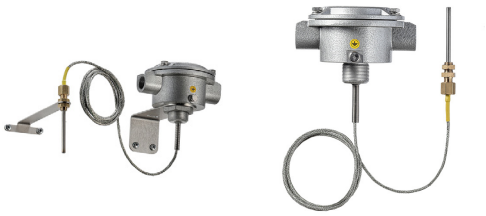
Key performance parameters

1Exd[ia]IICT4/T5/T6 X/1Exd[ia]IICT4/T5/T6, IP67, programmable, providing the possibility of on-site reconfiguration.

Certificate of the Russian Federation.
Certificate of EMERCOM of the Republic of Belarus.
Certificate of EMERCOM of the Republic of Kazakhstan.

Countries of export: EAEU, CIS.

Eridan JSC



TN VED Code 8531 10 950 0

High-temperature explosion-proof heat fire detector

IP101-07Vt

It is designed for sending an alarm signal to the fire alarm loop in case the preset response temperature in the controlled environment is exceeded.

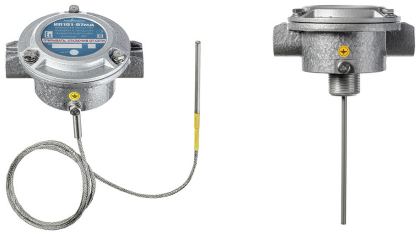
Key performance parameters

1Exd[ia]IICT4/T5/T6, IP67, high-temperature, response temperature in the range of 54-250°C.

Certificate of the Russian Federation.
EAEU Certificate.
Certificate of EMERCOM of the Republic of Kazakhstan.

Countries of export: EAEU, CIS.

Eridan JSC



TN VED Code 8531 10 950 0

Maximum differential explosion-proof heat fire detector

IP101-07MD

It is designed for sending an alarm signal to the fire alarm loop in case the preset response temperature and/or heating rate in the controlled environment is exceeded.

Key performance parameters

1Exd[ia]IICT4/T5/T6 X/1Exd[ia]IICT4/T5/T6, IP67, the differential function is activated at a temperature of above 25°C.

Certificate of the Russian Federation.
EAEU Certificate.
Certificate of EMERCOM of the Republic of Kazakhstan.

Countries of export: EAEU, CIS.

Eridan JSC



TN VED Code 8531 10 950 0

Explosion-proof flame fire detector IPP-07e ("Gelios")

IPP-07e-"Gelios-2IK"

It is designed for sending an alarm message to the fire alarm loop when ignitions are detected.

Key performance parameters

1Exd IICT6Gb, IP66, IP67, infrared, controls the presence of flame radiation in two ranges of the IR spectrum.

Certificate of the Russian Federation.
EAEU Certificate.
Certificate of EMERCOM of the Republic of Kazakhstan.

Countries of export: Czech Republic, EAEU, CIS.

Eridan JSC



TN VED Code 8531 10 950 0

Explosion-proof flame fire detector IPP-07ea

"Gelios-ZIK"RS

It is designed for sending an alarm message to the fire alarm loop when ignitions are detected.

Key performance parameters

1Exd IICT6Gb X, IP66 and IP67, 90° vision angle, operation at 6500 lux background illumination, controls in three infrared (IR) ranges.

Certificate of the Russian Federation.
EAEU Certificate.
Certificate of EMERCOM of the Republic of Kazakhstan.

Countries of export: Czech Republic, EAEU, CIS.

Eridan JSC



TN VED Code 8531 10 950 0

Explosion-proof flame fire detector

IPP-07e-"Gelios-IK/UF"RS

It is designed for sending an alarm message to the fire alarm loop when ignitions are detected.

Key performance parameters

1 Ex d IIC T6 Gb X, IP66 and IP67, 90° vision angle, operation at 2500 lux background illumination, controls in two ranges: infrared (IR) and ultraviolet (UV) radiation.

Certificate of the Russian Federation.
Certificate of EMERCOM of the Republic of Belarus.
Certificate of EMERCOM of the Republic of Kazakhstan.

Countries of export: Czech Republic, EAEU, CIS.

Eridan JSC



TN VED Code 8536 90 850 0

Manual explosion-proof fire detector

IP535-07e

It is intended for generating an alarm message in the fire alarm loop when actuator is pulled out.

Key performance parameters

1Ex db IIC T6 Gb, IP66/IP67, 8-28 V, from -60°C to +85°C.

Certificate of the Russian Federation.
Certificate of EMERCOM of the Republic of Belarus.
Certificate of EMERCOM of the Republic of Kazakhstan.

Countries of export: Czech Republic, Federal Republic of Germany, Italian Republic, Republic of Moldova, Republic of Latvia, Kingdom of Sweden, EAEU, CIS.

Eridan JSC



TN VED Code 8536 90 850 0

Explosion-proof remote start device

UDP IP535-07e-PUSK

It is intended for manual launching fire protection systems in explosive areas or general industrial areas.

Key performance parameters

1Ex db IIC T6 Gb, IP66/IP67, 8-28 V, from -60°C to +85°C. Maximum switching current up to 0.5 A.

Certificate of the Russian Federation.
Certificate of EMERCOM of the Republic of Belarus.
Certificate of EMERCOM of the Republic of Kazakhstan.

Countries of export: Czech Republic, Federal Republic of Germany, Italian Republic, Republic of Moldova, Republic of Latvia, Kingdom of Sweden, EAEU, CIS.

Eridan JSC



TN VED Code 8536 90 850 0

Explosion-proof fire annunciator

Ekran (Ekran-S/SU/SZ)

It is designed to be used as a light and light and acoustic means of notification and information indicators in fire alarm systems.

Key performance parameters

1Ex mb [ib] IIC T4 Gb X, IP66, from -60°C to +75°C, power consumption is from 70 mA.

Certificate of the Russian Federation.
Certificate of EMERCOM of the Republic of Belarus.
Certificate of EMERCOM of the Republic of Kazakhstan.

Countries of export: Czech Republic, Italian Republic, Republic of Moldova, Republic of Latvia, Kingdom of Sweden, EAEU, CIS.

Eridan JSC



TN VED Code 8536 90 850 0

Explosion-proof fire annunciator

Ekran-O-S/SZ/SU

It is designed to be used as a light and light and acoustic means of notification and information indicators in fire alarm systems.

Key performance parameters

1Ex d mb [ib] IIC T4 Gb X, IP66, from -60°C to +75°C, power consumption is from 70 mA.

Certificate of the Russian Federation.
Certificate of EMERCOM of the Republic of Belarus.
Certificate of EMERCOM of the Republic of Kazakhstan.

Countries of export: Czech Republic, Italian Republic, Republic of Moldova, Republic of Latvia, Kingdom of Sweden, EAEU, CIS.

Eridan JSC



TN VED Code 8531 10 950 0

Explosion-proof fire annunciator

Ekran-Info

It is designed to be used as a light and light and acoustic means of notification and information indicators in fire alarm systems.

Key performance parameters

1Ex d mb [ib] IIC T4 Gb X, IP66, from -60°C to +75°C;

- static text;
- flashing text;
- scrolling text;
- sequence of static messages (the sequence may include 2 to 4 messages).

Certificate of the Russian Federation.
EAEU Certificate.
Certificate of EMERCOM of the Republic of Kazakhstan.

Countries of export: The Republic of Singapore, EAEU, CIS.

Eridan JSC



TN VED Code 8531 10 950 0

Explosion-proof fire annunciator

Ekran-Info-RGB

It is designed to be used as a light and light and acoustic means of notification and information indicators in fire alarm systems.

Key performance parameters

1Ex d mb [ib] IIC T4 Gb X, IP66, from -60°C to +75°C;

- multi-color (7 colors);
- static text;
- flashing text;
- scrolling text;
- separate presentation of the bottom and top lines;
- several colors are used simultaneously;
- presentation of inscriptions with or without sound.

Certificate of the Russian Federation.
EAEU Certificate.

Certificate of EMERCOM of the Republic of Kazakhstan.

Countries of export: The Republic of Singapore, EAEU, CIS.

Eridan JSC



TN VED Code 8531 10 950 0

General industrial version fire annunciator Ekran-O

Ekran-Info-O

It is designed to be used as a light and light and acoustic means of notification and information indicators in fire alarm systems.

Key performance parameters

IP66, from -60°C to +75°C;

- static text;
- flashing text;
- scrolling text;
- sequence of static messages (the sequence may include 2 to 4 messages).

All versions of messages can be presented both with and without sound.

Certificate of the Russian Federation.
Certificate of EMERCOM of the Republic of Belarus.
Certificate of EMERCOM of the Republic of Kazakhstan.

Countries of export: EAEU, CIS.

Eridan JSC



TN VED Code 8531 10 950 0

General industrial version fire annunciator Ekran-O

Ekran-O-S/SZ/SU

It is designed to be used as a light and light and acoustic means of notification and information indicators in fire alarm systems.

Key performance parameters

IP66, from -60°C to +75°C, current consumption is from 35 mA.

Certificate of the Russian Federation.
Certificate of EMERCOM of the Republic of Belarus.
Certificate of EMERCOM of the Republic of Kazakhstan.

Countries of export: Italian Republic, EAEU, CIS.

Eridan JSC



TN VED Code 8531 10 950 0

General industrial version fire annunciator Ekran-O

Ekran-Inf-RGB-O

It is designed to be used as a light and light and acoustic means of notification and information indicators in fire alarm systems.

Key performance parameters

IP66, from -60°C to +75°C;

- multi-color;
- static text;
- flashing text;
- scrolling text;
- separate presentation of the bottom and top lines;
- several colors are used simultaneously;
- presentation of inscriptions with or without sound.

Certificate of the Russian Federation.
Certificate of EMERCOM of the Republic of Belarus.
Certificate of EMERCOM of the Republic of Kazakhstan.

Countries of export: EAEU, CIS.

Eridan JSC



TN VED Code 8531 10 950 0

Explosion-proof fire annunciator VS-07e

VS-07e-Ex-Z

It is designed to initiate an alarm sound signal in fire and security alarm systems when operating jointly with any fire control devices.

Key performance parameters

1Ex d IIC T6 Gb X, IP65, from -60°C to +70°C, 100 dB, 2 sound modes.

Certificate of the Russian Federation.
Certificate of EMERCOM of the Republic of Belarus.
Certificate of EMERCOM of the Republic of Kazakhstan.

Countries of export: Czech Republic, Republic of Moldova, EAEU, CIS.

Eridan JSC



TN VED Code 8531 10 950 0

Explosion-proof fire alarm VS-07e

VS-07e-Ex-ZI

It is designed to initiate a combined (sound, light) alarm signal in fire and security alarm systems when operating jointly with any fire control devices.

Key performance parameters

1Ex d IIC T6 Gb X, IP65, from -60°C to +70°C, 100 dB, 2 sound modes, emission color is specified by the customer.

Certificate of the Russian Federation.
Certificate of EMERCOM of the Republic of Belarus.
Certificate of EMERCOM of the Republic of Kazakhstan.

Countries of export: Czech Republic, Republic of Moldova, EAEU, CIS.

Eridan JSC



TN VED Code 8531 10 950 0

Explosion-proof fire alarm VS-07e

VS-07e-Ex-S

It is designed to initiate an alarm light signal in fire and security alarm systems when operating jointly with fire control devices.

Key performance parameters

1ExdIICT5/T6 Gb, from -60°C to +70°C, IP66/67, emission color is specified by the customer, 10 flashing modes.

Certificate of the Russian Federation.
EAEU Certificate.
Certificate of EMERCOM of the Republic of Kazakhstan.

Countries of export: EAEU, CIS.

Eridan JSC



TN VED Code 8531 10 950 0

General industrial fire alarm VS-07e-O

VS-07e-O-S

It is designed to initiate an alarm light signal in fire and security alarm systems when operating jointly with fire control devices.

Key performance parameters

From -60°C to +70°C, IP66/67, emission color is specified by the customer, 10 flashing modes.

Certificate of the Russian Federation.
EAEU Certificate.
Certificate of EMERCOM of the Republic of Kazakhstan.

Countries of export: EAEU, CIS.

Eridan JSC



TN VED Code 8531 10 950 0

General industrial fire alarm VS-07e-O

VS-07e-O-S

It is designed to initiate an alarm light signal in fire and security alarm systems when operating jointly with fire control devices.

Key performance parameters

From -60°C to +70°C, IP66/67, emission color is specified by the customer, 10 flashing modes.

Certificate of the Russian Federation.
EAEU Certificate.
Certificate of EMERCOM of the Republic of Kazakhstan.

Countries of export: EAEU, CIS.

Eridan JSC



TN VED Code 8531 10 950 0

General industrial fire alarm VS-07e-O

VS-07e-O-ZI

It is designed to initiate a combined (sound, light) alarm signal in fire and security alarm systems when operating jointly with fire control devices.

Key performance parameters

IP65, from -60°C to +70°C, 100 dB, 2 sound modes, emission color is specified by the customer.

Certificate of the Russian Federation.
Certificate of EMERCOM of the Republic of Belarus.
Certificate of EMERCOM of the Republic of Kazakhstan.

Countries of export: EAEU, CIS.

Eridan JSC



TN VED Code 8518 21 000 0

Explosion-proof horn loudspeaker GRV-07e

GRV-07e-20

It is designed for use as a sound source in fire detection systems, security alarm systems, engineering and manufacturing loud-speaking communication systems.

Key performance parameters

1ExdIICT6 X, IP66, from -60°C to +55°C, 380-6500 Hz, P_{max}, 1 m -119 dB, 20 W.

Certificate of the Russian Federation.
Certificate of EMERCOM of the Republic of Belarus.
Certificate of EMERCOM of the Republic of Kazakhstan.

Countries of export: EAEU, CIS.

Eridan JSC



TN VED Code 8518 21 000 0

Explosion-proof horn loudspeaker GRV-07e

GRV-07e-30

It is designed for use as a sound source in fire detection systems, security alarm systems, engineering and manufacturing loud-speaking communication systems.

Key performance parameters

1ExdIICT6 X, IP66, from -60°C to +55°C, 380-6500 Hz, P_{max}, 1 m -122 dB, 30 W.

Certificate of the Russian Federation.
Certificate of EMERCOM of the Republic of Belarus.
Certificate of EMERCOM of the Republic of Kazakhstan.

Countries of export: EAEU, CIS.

Eridan JSC



TN VED Code 8518 21 000 0

Explosion-proof horn loudspeaker GRV-07e

GRV-07e-30RM

It is designed for use as a sound source in fire detection systems, security alarm systems, engineering and manufacturing loud-speaking communication systems.

Key performance parameters

1ExdIICT6 X, IP66, from -60°C to +55°C, 380-6500 Hz, P_{max}, 1 m -122 dB, 30 W, power choice option.

Certificate of the Russian Federation.
EAEU Certificate.

Countries of export: EAEU, CIS.

Eridan JSC



TN VED Code 8518 21 000 0

Explosion-proof horn loudspeaker GRV-07e

GRV-07e-50

It is designed for use as a sound source in fire detection systems, security alarm systems, engineering and manufacturing loud-speaking communication systems and other types of announcement and sound warning when operating in combination with control devices and amplifiers.

Key performance parameters

1ExdIICT6 X, IP66, from -60°C to +55°C, 380-6500 Hz, P_{max}, 1 m -126 dB, 50 W.

Certificate of the Russian Federation.
Certificate of EMERCOM of the Republic of Kazakhstan.

Countries of export: EAEU, CIS.

Eridan JSC



TN VED Code 8529 90 490 0

Explosion-proof temperature-proof housing TVK-07

TVK-07e-A

It is intended for installation of standard design video cameras (box-type, fixed) and/or other video equipment with a power consumption of no more than 5 W, and ensures their protection against environmental effects.

Key performance parameters

Aluminum, 1Ex d e IIC T6 Gb X, NF-1, from -60°C to +50°C, IP66/IP67, overheat protection, cold start.

Certificate of the Russian Federation.
EAEU Certificate.

Countries of export: EAEU, CIS.

Eridan JSC



TN VED Code 8529 90 490 0

Explosion-proof thermohousing TVK-07

TVK-07e-S

It is intended for installation of standard design video cameras (box-type, fixed) and/or other video equipment with a power consumption of no more than 5 W, and ensures their protection against environmental effects.

Key performance parameters

Steel, IP66/IP67, PB Ex db I Mb X or 1Ex db e IIC T6 Gb X, overheat protection, cold start. Temperature range from -70°C to +50°C.

Certificate of the Russian Federation.
EAEU Certificate.

Countries of export: Italian Republic, EAEU, CIS.

Eridan JSC



TN VED Code 8529 90 490 0

Explosion-proof thermohousing TVK-07

TVK-07e-N

It is intended for installation of standard design video cameras (box-type, fixed) and/or other video equipment with a power consumption of no more than 5 W, and ensures their protection against environmental effects.

Key performance parameters

Stainless steel, IP66/IP67, PB Ex db I Mb X or 1Ex db e IIC T6 Gb X, overheat protection, cold start. Temperature range from -70°C to +50°C.

Certificate of the Russian Federation.
EAEU Certificate.

Countries of export: Federal Republic of Germany, EAEU, CIS.

Eridan JSC



TN VED Code 9405 40 100 9

Explosion-proof infrared spotlamp

IK-07e

It is designed to operate as part of a video surveillance system in hazardous conditions, when natural illumination is not sufficient for normal operation of a video camera.

Key performance parameters

1 Exd IICT6, IP 67, emission wavelength - 850 nm, from -60°C to +60°C.

Certificate of the Russian Federation.
EAEU Certificate.
Certificate of EMERCOM of the Republic of Kazakhstan.

Countries of export: EAEU, CIS.

Eridan JSC



TN VED Code 8536 90 100 9

Explosion-proof switch box KKV-07e

KKV-07e-P

It is designed for connection and branching of general and special purpose electrical circuits (control and power cables of automatic and telemechanics systems, control circuits, alarm circuits, etc.) in explosive areas.

Key performance parameters

1ExdIICT4/T5/T6 X, IP67, from -60°C to +100°C, wire cross-section - 0.08-2.5 mm^2, switching current up to 32 A.

Certificate of the Russian Federation.
EAEU Certificate.
Certificate of EMERCOM of the Republic of Kazakhstan.

Countries of export: EAEU, CIS.

Eridan JSC



TN VED Code 8536 90 100 9

Explosion-proof switch box KKV-07e

KKV-07e-P

It is designed for connection and branching of general and special purpose electrical circuits (control and power cables of automatic and telemechanics systems, control circuits, alarm circuits, etc.) in explosive areas.

Key performance parameters

1ExdIICT4/T5/T6 X, IP67, from -60°C to +100°C, wire cross-section - 0.08-2.5 mm^2, switching current up to 32 A.

Certificate of the Russian Federation.
EAEU Certificate.
Certificate of EMERCOM of the Republic of Kazakhstan.

Countries of export: EAEU, CIS.

Eridan JSC



TN VED Code 8536 90 100 9

Explosion-proof switch box KKV-07e

KKV-07e-T

It is designed for connection and branching of general and special purpose electrical circuits (control and power cables of automatic and telemechanics systems, control circuits, alarm circuits, etc.) in explosive areas.

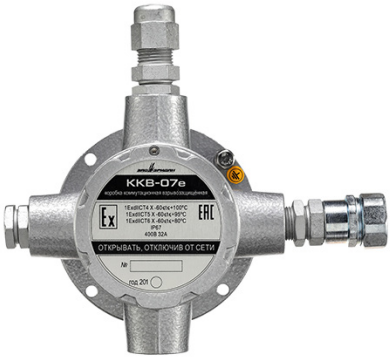
Key performance parameters

1ExdIICT4/T5/T6 X, IP67, from -60°C to +100°C, wire cross-section - 0.08-2.5 mm^2, switching current up to 32 A.

Certificate of the Russian Federation.
EAEU Certificate.
Certificate of EMERCOM of the Republic of Kazakhstan.

Countries of export: EAEU, CIS.

Eridan JSC



TN VED Code 8536 90 100 9

Explosion-proof switch box KKV-07e

KKV-07e-K

It is designed for connection and branching of general and special purpose electrical circuits (control and power cables of automatic and telemechanics systems, control circuits, alarm circuits, etc.) in explosive areas.

Key performance parameters

1ExdIICT4/T5/T6 X, IP67, from -60°C to +100°C, wire cross-section - 0.08-2.5 mm^2, switching current up to 32 A.

Certificate of the Russian Federation.
EAEU Certificate.
Certificate of EMERCOM of the Republic of Kazakhstan.

Countries of export: EAEU, CIS.

Eridan JSC



TN VED Code 9032 10 200 0

Explosion-proof device

Ex-Test

It is designed to test the operability of heat fire detectors and ensures heating of the control and heating head (CHH) that simulates thermal fire factor and causes triggering of heat detectors.

Key performance parameters

1Exs[ib]IICT3 X, IP54, operating temperature range in CHH is from +50°C to +150°C.

Certificate of the Russian Federation.
EAEU Certificate.
Certificate of EMERCOM of the Republic of Kazakhstan.

Countries of export: EAEU, CIS.

Eridan JSC



TN VED Code 8529 90 920 9

Pan/tilt surveillance system TOR

TOR-07e-Ex

It is designed to operate as part of surveillance systems, including CCTV systems according to GOST R 51558-2014 in explosive areas.

Key performance parameters

PB Ex d I Mb X / 1Ex d IIC T6 Gb X / Ex tb IIIC T80°C Db X, IP66/IP68, the possibility of installing up to 16 rounds, protection against overheating, cold start, NF-1, from -60°C to +50°C.

Certificate of the Russian Federation.
EAEU Certificate.
Certificate of EMERCOM of the Republic of Kazakhstan.

Countries of export: Federal Republic of Germany, EAEU, CIS.

Eridan JSC



TN VED Code 8531 10 300 0

Explosion-proof multipoint cumulative fire detector

IP 102-2X2

It detects fire in terms of the rate of growth of temperature or ambient temperature above the set threshold, and sending an alarm signal to fire alarm control panels, as well as sending "Fire" and "Malfunction" signals to peripheral devices in the form of relay contacts, normally closed or normally open, depending on IU version. It is used in fire alarm systems of industrial facilities with a ceiling height of up to 20 m (workshops, hangars, warehouses, storage bins, garages, etc.), including those with explosive areas and corrosive environments.

Key performance parameters

1. Consists of IU processing unit and sensors: DPT multipoint cumulative sensor (and its modifications), DPT-T thermal point thermoelectric sensor, DTK thermal contact sensor (70°C, 90°C), IPR-K Ver. 1 manual fire detector, switch box SB, terminal control device TCD;
2. Two heat channels are available: differential and maximum. For differential channel (when connecting the DPT sensor) - response level at 5°C/min and 10°C/min; for the maximum channel (when connecting DPT-M, DTK sensors) - for response temperature: class A1 - 54°C; A3 - 70°C; class C - 90°C;
3. Explosion protection type - "ia";
4. Chemically resistant acc. to group X2;
5. Supply voltage - 12 V, 24 V;
6. Current in the "Normal" mode - 4 mA, in the "Fire" mode - 17 mA (at Ucc 12 V), in the "Fault" mode - 20 mA;
7. Ingress protection rating - from IP56;
8. Operating temperature: from -50°C to +55°C for IU and from -60°C to +130°C for DPT (DPT-T);
9. Specified service life - 16 years.

Certificate of the Russian Federation.
EAEU Certificate.

Countries of export: Republic of Belarus.

RPC Spetssystemy LLC



TN VED Code 8531 10 950 9

Combined transport unified fire detector

IPK-TU

Detects fire based on signs of smoke concentration in air, temperature rise and/or the rate of growth of ambient temperature above the set threshold value. It is used in fire alarm and fire extinguishing systems of industrial premises of petrochemical, metallurgical and mining facilities, in mines, in tunnels, cable galleries, at power generating facilities, housing and utility services and the food industry facilities, as well as in vehicles: rail, road, water-borne (marine and river vessels).

Key performance parameters

1. Fire detection channels: optoelectronic smoke detecting - 0.05 dB/m to 0.2 dB/m (setting to a different response level is possible); thermal differential - 5°C/min; thermal maximum - 70 (±6)°C class A3; 90 (-6 to +10)°C class C;
2. Explosion-proof version "IPK-TU V" is available - explosion protection type - "ia";
3. Supply voltage - 12-24 V;
4. Current (at U_{cc} 12V): in the "Normal" mode - not more than 0.3 mA, in the "Fire" mode - not less than 11 mA;
5. Ingress protection rating - IP5;
6. Operating temperature: from -50°C to +60°C;
7. Specified service life - 16 years.

Certificate of the Russian Federation.
EAEU Certificate.

Countries of export: Republic of Belarus.

RPC Spetssystemy LLC



TN VED Code 8536 41 100 0

Heat fire detector/heat contact sensor

IP 114-1 AZ(S)/DTK

It detects fire in the protected room based on the rise of the ambient temperature above the set threshold, sends alarm signal to alarm control panels in the form of opening or closing relay contacts or current consumption value. It is used independently, as a temperature relay. It is interchangeable with the IPL locomotive sensor.

Key performance parameters

1. Versions differ in terms of response temperature, the availability of built-in warning lights and output signal type;
2. Operating temperature classes:
   - Ver. 1 - 70(±6)°C, Class A3;
   - Ver. 2 - 90(-6 to +10)°C, Class C;
3. output signal - NC (NO) relay contacts (DTK 1(2).02) or electric current (DTK 1(2).13);
4. Explosion-proof version "DTK V" is available - explosion protection type - "e" and "m"; The IP 102-2X2 detector has the type of explosion protection "intrinsically safe circuit "ia";
5. Operating voltage (DTK 1(2).13), V - 24;
6. Current passed through the contacts (DTK 1(2).02), mA - from 0.1 to 30;
7. Current consumption (DTK 1 (2) .13), mA: in the "Normal" mode - 0.7, in the "Fire" mode - 24;
8. Ingress protection rating - IP65;
9. Operating temperature: from -50°C to +60°C for IU and from -50°C to +80°C for DPT (DPT-T);
10. Specified service life - 15 years.

Certificate of the Russian Federation.
EAEU Certificate.

Countries of export: Republic of Poland.

RPC Spetssystemy LLC



TN VED Code 8531 10 300 0

Fire alarm system for traction rolling stock

UPS-TPS

It is designed for early automatic detection of signs of fire in the premises of industrial facilities and railway traction rolling stock - electric locomotives and diesel locomotives, as well as passenger and freight cars, sending external acoustic and light signals indicating the ignition point, transmitting a fire signal through on-board radio station, and to a personal computer via the RS485 interface.

Key performance parameters

1. System configuration:
   - fire alarm control panel FACP (including the integrated event recorder);
   - TS annunciator panel;
   - IPK-TU combined fire detectors;
   - IP 114-1 AZ(S)/DTK heat fire detectors;
   - IP 102-2X2 multi-point explosion-proof heat fire detectors.
2. Number of fire alarm lines (AL) - up to 8.
3. Number of detectors connected to one AL:
   - the IPK-TU combined detectors - up to 10 pcs;
   - the DTK 1(2).13 sensors - up to 20 pcs;
   - interface units IU (with sensors DTK 1.(2).02 up to 20 pcs) - 1 pc.
4. FACP supply voltage:
   24 V ± 15%;
   27 V ± 20%;
   50 V ± 20%;
   75 V ± 30%;
   110 V ± 30%.
5. Supply voltage for connecting a standby power source U_{bat} = 24 V+15%.
6. Power consumption in standby mode - 20 W.
7. Ingress protection rating - from IP44;
8. Operating temperature is from -50°C to +60°C.
9. Specified service life - 12 years.

Certificate of the Russian Federation.

Countries of export: Czech Republic, Republic of Kazakhstan.

RPC Spetssystemy LLC



TN VED Code 8531 10 300 0

System of fire alarm technical means for sea and river vessels

KTS "SPAS-SM"

It is designed to detect signs of fire in the premises of river and sea vessels, including dynamically supported vessels, and warning of a fire including the indication of its origin point.

Key performance parameters

1. System configuration:
   - fire alarm control panel FACP (including the integrated event recorder);
   - TS annunciator panel;
   - IPK-TU combined fire detectors;
   - IP 114-1 AZ(S)/DTK heat fire detectors;
   - interface unit complete with the BSK contact sensors;
   - IPR-K manual contact fire detectors;
   - IP 102-2X2 multi-point explosion-proof heat fire detectors.
   - keyboard and indication unit KIU for connecting up to 8 FACPs to the system and outputting data to PC via the RS 485 interface.
2. Number of fire alarm lines (AL) - up to 8.
3. Number of detectors connected to one AL - up to 14.
4. FACP supply voltage: main - 27 W or ~ 220 V.
5. Power consumed by FACP in the "Normal" - up to 20 W, in the "Fire" mode - 40 W.
6. Ingress protection rating - from IP44;
7. Climatic version - MU 3.1.
8. Specified service life - 12 years.
9. Purchased commercially available products approved for use on ships (such as RVF, BIYA-S, ZOV, etc.) can be used as detectors.
10. Specified service life - 12 years.

Certificate of the Russian Federation.
EAEU Certificate.

Countries of export: Republic of Kazakhstan.

RPC Spetssystemy LLC



TN VED Code 8537 10 990 0

Starting fire alarm control panel PPKP-01F-R

PPKP-01F-XX.YY-A-R,
where XX - device design version number; YY - device design sub-version number (may be not available); A - the availability of a BA-01 battery pack in the device (not included in the device designation if the BA-01 battery pack is not available)

It is designed for constructing fire detection and extinguishing systems, smoke protection systems for buildings and structures, as well as for use in automated monitoring and control systems for various technological processes at nuclear and thermal power plants, as well as at other industrial facilities.
The device provides receiving, processing of input signals of various types, sending control signals to fire extinguishing equipment, warning means and process equipment, and communication with peripheral devices via the RS-485, Ethernet channels.
The device can operate both independently and as part of various systems, combining the functions of a fire alarm control panel (FACP) and a fire control unit (FCU).

Key performance parameters

The device complies with TR on fire safety requirements. In a standby automatic operating mode, it provides receiving, conversion, displaying and registration of information, as well as transmission of information to peripheral devices. It ensures automatic and remote start of fire extinguishing equipment and continuous round-the-clock operation.

The device provides bi-directional data exchange with peripheral devices of security and fire equipment via serial links of the RS-485, Ethernet types, which ensure compliance with the requirements for links such as RS-485 and Ethernet.

Overall dimensions:
a) device - not more than 440 x 520 x 240 mm;
b) BA-01 battery pack - not more than 430 x 300 x 210 mm.
Weight:
a) device - not more than 21 kg;
b) BA-01 battery pack - not more than 30 kg.

Certificate of the Russian Federation.

Countries of export: Republic of India, Republic of Belarus, People's Republic of China, Slovak Republic.

TENZOR JSC



TN VED Code 8537 10 100 0

Software and hardware tools package SHTP "Dubna"

SHTP "Dubna" - KZ XX eF2.702.286-YY.
Explanation of symbols:
- KZ - order sheet;
- XX - order sheet sequence number;
- YY - hardware version sequence number

It is designed to create automated monitoring and control systems for various technological processes (APCS) at industrial facilities, nuclear and thermal power plants. The equipment is a design-assembled item.
The equipment composition (scope of supply) is variable and allows developing systems of various configurations. The equipment is designed to receive, process and send electrical signals from peripheral devices to the top level devices and send control signals to peripheral devices. Control signals can be generated by the equipment, and generated by commands received from top level devices.

Key performance parameters

The equipment is designed for use with products that are compatible in terms of interfaces or input/output characteristics (operator stations, sensors, automation power elements, etc.). Special software ensures integration of the "DUBNA" SHTP with centralized data processing systems. The communication channels are based on RS485 or Ethernet interfaces and use the BITNET open protocol.

Ingress protection rating - IP21, IP54 according to GOST 14254.
Seismic stability - up to 8 points on the MSK-64 scale, at an installation height at NPP of up to 40 m from the ground elevation.
Resistance to mechanical stress - Group L1 according to GOST 12997.

Certificate of the Russian Federation.

Countries of export: Republic of India, Republic of Belarus, People's Republic of China, Slovak Republic.

TENZOR JSC



TN VED Code 8471 49 000 0

Computing system special equipment package SEP

KSO.00X-XX,
where XX is the device design version number

It is designed for processing arrays of information, and their registration and presentation to operator.

Key performance parameters

In terms of protection against environmental effects, SEP has an ordinary version according to GOST R 52931-2008, and corresponds to the protection degree of IP21 in accordance with GOST 14254-96. In terms of resistance to mechanical stress, the SEP has a vibration-resistant design and is classified as Group L3 according to 52931-2008. In terms of resistance to ambient air temperature and humidity, SEP corresponds to design category B1 52931-2008 with the relative humidity upper limit of 80%.

SEP is resistant to external electromagnetic interferences, in accordance with the requirements of design category III of GOST R 50746-2000, corresponding to an electromagnetic environment of medium severity level. SEP is resistant to seismic impacts of up to 8 points on the MSK-64 scale, at an installation height at NPP of up to 20 m from the ground elevation.

Certificate of the Russian Federation.

Countries of export: Republic of India, Republic of Belarus, People's Republic of China, Slovak Republic.

TENZOR JSC



TN VED Code 8531 10 3000

Manual magnetic contact fire detector

IP 535/V "Sever" (0ExiaIICT6 explosion-proof marking)

It is designed for manual transmission of fire notification.

Key performance parameters

Current consumed by the detector in standby mode, not more than 50 μA, IP55.

Certificate of the Russian Federation.

Countries of export: Republic of Uzbekistan, Republic of Kazakhstan, Republic of Belarus.

SNV LLC



TN VED Code 8531 10 300 0

Remote start device

UDP 535-26 "Sever"

It is designed for starting fire extinguishing systems, smoke removal systems, and generating alarm signals.

Key performance parameters

Current consumed by the detector in standby mode, not more than 50 μA;
current consumed by the IVS-2 remote indicator is not more than 60 μA;
IP66.

Certificate of the Russian Federation.

Countries of export: Republic of Uzbekistan, Republic of Kazakhstan, Republic of Belarus.

SNV LLC



TN VED Code 8531 10 300 0

Two-wire point-type smoke fire detector

IP 212-69/1 MR

It is designed to detect fire.

Key performance parameters

Supply voltage - from 9 V to 30 V, current consumption in standby mode - up to 80 μA.

Certificate of the Russian Federation.

Countries of export: Republic of Uzbekistan, Republic of Kazakhstan, Republic of Belarus.

SNV LLC



TN VED Code 8531 10 300 0

Self-contained smoke fire detector

IP 212-69/ZM

It is designed to detect fire.

Key performance parameters

Supply voltage - 9 V;
IP40

Certificate of the Russian Federation.

Countries of export: Republic of Uzbekistan, Republic of Kazakhstan, Republic of Belarus.

SNV LLC



TN VED Code 8531 10 300 0

Addressable smoke fire detector

IP 212-69/ZM

It is designed to detect fire.

Key performance parameters

Supply voltage - pulse-type from addressable control alarm panel, current consumption in standby mode - 0.31 μA.
IP40.

Certificate of the Russian Federation.

Countries of export: Republic of Uzbekistan, Republic of Kazakhstan, Republic of Belarus.

SNV LLC



TN VED Code 8531 10 300 0

Addressable heat fire detector

IP 101-34-A1

It is designed to detect fire.

Key performance parameters

Supply voltage - pulse-type from addressable control alarm panel, threshold temperature - 54°C.

Certificate of the Russian Federation.

Countries of export: Republic of Uzbekistan, Republic of Kazakhstan, Republic of Belarus.

SNV LLC



TN VED Code 8531 10 300 0

Addressable fire alarm control panel

"PLANETA - APKP-M"

It is designed to create addressable fire alarm systems.

Key performance parameters

Number of addressable loops - 1 pc
Maximum number of detectors per one addressable loop - 127 pcs
U_{cc} - 24 V;

IP30.

Certificate of the Russian Federation.

Countries of export: Republic of Uzbekistan, Republic of Kazakhstan, Republic of Belarus.

SNV LLC



TN VED Code 8531 10 300 0

Addressable fire alarm control panel

"ASPS PLANETA-4"

It is designed to create addressable analog fire alarm systems.

Key performance parameters

Number of addressable loops - 4 pcs
Maximum number of connected addressable detectors - 508 pcs.
U_{cc} - 24 V;
IP55.

Certificate of the Russian Federation.

Countries of export: Republic of Uzbekistan, Republic of Kazakhstan, Republic of Belarus.

SNV LLC



TN VED Code 8531 10 300 0

Maximum heat fire detector

IP 105-1 (50°C) "LOTOS"

It is designed to detect fire.

Key performance parameters

Response temperature - from 46°C to 52°C (IP20).

Certificate of the Russian Federation.

Countries of export: Republic of Uzbekistan, Republic of Kazakhstan, Republic of Belarus.

Magnito-Kontakt RDE LLC



TN VED Code 8531 10 300 0

Maximum heat fire detector

IP 105-1-A1,A3

It is designed to detect fire.

Key performance parameters

Response temperature - from 54°C to 65°C for IP 105-1-A1.
Response temperature - from 64°C to 76°C for IP 105-1-A3.
(IP20).

Certificate of the Russian Federation.

Countries of export: Republic of Uzbekistan, Republic of Kazakhstan, Republic of Belarus.

Magnito-Kontakt RDE LLC



TN VED Code 8531 10 300 0

Maximum heat fire detector

IP 105-1-G "SAUNA-150"

It is designed to detect fire.

Key performance parameters

Response temperature - from 144°C to 160°C (IP20).

Certificate of the Russian Federation.

Countries of export: Republic of Uzbekistan, Republic of Kazakhstan, Republic of Belarus.

Magnito-Kontakt RDE LLC



TN VED Code 8531 10 300 0

Maximum heat fire detector

IP 105-1-D "SAUNA"

It is designed to detect fire.

Key performance parameters

Response temperature - from 99°C to 115°C (IP20).

Certificate of the Russian Federation.

Countries of export: Republic of Uzbekistan, Republic of Kazakhstan, Republic of Belarus.

Magnito-Kontakt RDE LLC



TN VED Code 8531 10 300 0

Maximum heat fire detector

IP 103-10

Purpose: fire detection.

Key performance parameters

Response temperature - from 54°C to 65°C for IP 103-10-(A1).
Response temperature - from 64°C to 76°C for IP 103-10-(A3).
(IP65).

Certificate of the Russian Federation.

Countries of export: Republic of Uzbekistan, Republic of Kazakhstan, Republic of Belarus.

Magnito-Kontakt RDE LLC



TN VED Code 8531 10 300 0

Maximum explosion-proof heat fire detector

IP 103-10/V
(explosion-proof marking 0ExiaIICT6 X, 1ExibIIBT6 X)

It is designed to detect fire.

Key performance parameters

Response temperature - from 54°C to 65°C for IP 103-10-(A1)/V.
Response temperature - from 64°C to 76°C for IP 103-10-(A3)/V.
(IP65).

Certificate of the Russian Federation.

Countries of export: Republic of Uzbekistan, Republic of Kazakhstan, Republic of Belarus.

Magnito-Kontakt RDE LLC



TN VED Code 8531 10 300 0

Maximum differential heat fire detector

IP 115-1-A1R1 "MAKS"

It is designed to detect fire.

Key performance parameters

Response temperature - from 54°C to 65°C.
Trip current - not more than 0.3 mA.
(IP20).

Certificate of the Russian Federation.

Countries of export: Republic of Uzbekistan, Republic of Kazakhstan, Republic of Belarus.

Magnito-Kontakt RDE LLC



TN VED Code 8531 10 300 0

Maximum heat fire detector

IP 103-10

It is designed to detect fire.

Key performance parameters

Response temperature - from 54°C to 65°C for IP 103-10-(A1).
Response temperature - from 64°C to 76°C for IP 103-10-(A3).
(IP65).

Certificate of the Russian Federation.

Countries of export: Republic of Uzbekistan, Republic of Kazakhstan, Republic of Belarus.

Magnito-Kontakt RDE LLC



TN VED Code 8531 10 300 0

Maximum differential heat fire detector

IP 115-1 (IP44) "MAKS"

It is designed to detect fire.

Key performance parameters

IP 115-1-A1R1(IP44) "MAKS":
Response temperature - from 54°C to 65°C.
IP 115-1-A3R1(IP44) "MAKS":
Response temperature - from 64°C to 76°C.
IP 115-1-CR1(IP44) "MAKS":
Response temperature - from 84°C to 100°C.

Certificate of the Russian Federation.

Countries of export: Republic of Uzbekistan, Republic of Kazakhstan, Republic of Belarus.

Magnito-Kontakt RDE LLC



TN VED Code 8531 10 300 0

Manual magnetic contact fire detector

IPR 514-2 "Kult"

It is designed for manual transmission of fire notification.

Key performance parameters

IP41.

Certificate of the Russian Federation.

Countries of export: Republic of Uzbekistan, Republic of Kazakhstan, Republic of Belarus.

Magnito-Kontakt RDE LLC



TN VED Code 8531 10 300 0

Manual magnetic contact explosion-proof fire detector

IPR 514-2/V "Kult" (explosion-proof marking 0ExiaIICT6 X, 1ExibIIBT6 X)

It is designed for manual transmission of fire notification.

Key performance parameters

Ingress protection rating - IP54.
The detector is switched on by applying load to actuator of at least 15 N.

Certificate of the Russian Federation.

Countries of export: Republic of Uzbekistan, Republic of Kazakhstan, Republic of Belarus.

Magnito-Kontakt RDE LLC



TN VED Code 8531 10 300 0

Manual fire detector

IP 535-50 "SEVER"

It is designed for manual transmission of fire notification.

Key performance parameters

Supply voltage: 9-30 V.
Current consumption in standby mode - up to 50 μA, (IP66/IP67).

Certificate of the Russian Federation.

Countries of export: Republic of Uzbekistan, Republic of Kazakhstan, Republic of Belarus.

Magnito-Kontakt RDE LLC



TN VED Code 8531 10 300 0

Manual explosion-proof fire detector

IP 535Ex “SEVER" (0Ex ia IIC Tb Ga explosion-proof marking)

It is designed to manually trigger alarm signal.

Key performance parameters

Ui 30 V; Ii 100 mA Pi 1 W; Li 10 μH; Ci 50 pF

Certificate of the Russian Federation.

Countries of export: Republic of Uzbekistan, Republic of Kazakhstan, Republic of Belarus.

Magnito-Kontakt RDE LLC



TN VED Code 8531 10 300 0

Addressable manual fire detector

IP 535–50/1A "SEVER"

It is designed to manually trigger alarm signal.

Key performance parameters

Supply voltage - pulse-type from addressable control alarm panel.
Current in standby mode - 0.25 mA, (IP66/IP67).

Certificate of the Russian Federation.

Countries of export: Republic of Uzbekistan, Republic of Kazakhstan, Republic of Belarus.

Magnito-Kontakt RDE LLC



TN VED Code 8531 10 300 0

Remote start device

UDP 535–50 "SEVER"

It is designed for starting fire extinguishing systems, smoke removal systems, and generating alarm signals.

Key performance parameters

Supply voltage - 9-30 V.
Current consumption in standby mode - up to 50 μA, (IP66/IP67).

Certificate of the Russian Federation.

Countries of export: Republic of Uzbekistan, Republic of Kazakhstan, Republic of Belarus.

Magnito-Kontakt RDE LLC



TN VED Code 8531 10 300 0

Optoelectronic point-type smoke fire detector

IP 212-69/1

It is designed to detect fire.

Key performance parameters

Current consumption in standby mode - up to 30 μA, (IP40).

Certificate of the Russian Federation.

Countries of export: Republic of Uzbekistan, Republic of Kazakhstan, Republic of Belarus.

Magnito-Kontakt RDE LLC



TN VED Code 8531 10 300 0

Optoelectronic point-type explosion-proof smoke fire detector

IP 212-69/1
(1Ex ia IIB T6 Gb explosion-proof marking)

It is designed to detect fire.

Key performance parameters

Current consumption in standby mode - up to 30 μA, (IP40).

Certificate of the Russian Federation.

Countries of export: Republic of Uzbekistan, Republic of Kazakhstan, Republic of Belarus.

Magnito-Kontakt RDE LLC



TN VED Code 8531 10 300 0

Maximum point-type heat fire detector

IP 103-55

It is designed to detect fire.

Key performance parameters

IP103-55-A1 (response temperature is from 54°C to 65°C).
IP103-55-A3 (response temperature is from 64°C to 76°C).
IP103-55-B (response temperature is from 69°C to 85°C).
IP103-55-C (response temperature is from 84°C to 100°C).

Certificate of the Russian Federation.

Countries of export: Republic of Uzbekistan, Republic of Kazakhstan, Republic of Belarus.

Magnito-Kontakt RDE LLC



TN VED Code 8531 10 300 0

Maximum point-type explosion-proof heat fire detector

IP 103-55Ex (1Ex ib IIB T6 Gb explosion-proof marking)

It is designed to detect fire.

Key performance parameters

IP103-55-A1 (response temperature is from 54°C to 65°C).
IP103-55-A3 (response temperature is from 64°C to 76°C).
IP103-55-B (response temperature is from 69°C to 85°C).
IP103-55-C (response temperature is from 84°C to 100°C).

Certificate of the Russian Federation.

Countries of export: Republic of Uzbekistan, Republic of Kazakhstan, Republic of Belarus.

Magnito-Kontakt RDE LLC



TN VED Code 8531 10 300 0

Sound annunciator "Shmel-12"

It is designed for sending acoustic signals to fire and security alarm systems. It can be used both indoors and outdoors (provided that it is installed in places protected from direct sunlight and atmospheric precipitation).

Key performance parameters

Supply voltage range - 9÷27 V.

Certificate of the Russian Federation.
EAEU Certificate.
Certificate of the Republic of Kazakhstan.
Certificate of the Republic of Belarus.

Countries of export: Republic of Belarus, Republic of Uzbekistan, Kyrgyz Republic, Republic of Azerbaijan, Republic of Moldova, Mongolia.

PA Spetsavtomatika JSC



TN VED Code 8531 10 300 0

Aspirating fire detector IPA V4

It is designed to protect facilities (buildings, structures, tunnels, cable ducts, etc.) from fires, including those where people (institutions, apartments, retail premises, warehouses, garages, etc.) may stay, and to control automatic extinguishing media by taking a gas-air mixture from the protected facility, cross-correlation analysis of the factors accompanying the development of the process (increased concentration of gases that unambiguously indicate the occurrence of a fire source) and/or the optical density of the gas-air environment (e.g. the occurrence of smoke)), the formation of hazard levels in external circuits, shutdown of the ventilation system and control of the launch of fire extinguishing modules. To display status and provide access to programmable and displayed parameters in all modes, as well as for ease of setup during commissioning and operation. The front panel includes LED indicators, graphical screen and keyboard. The ability to perform these actions through a computer via the RS-485 interface has been additionally implemented.

Key performance parameters

Increased length of the air duct to 100 m for Class A and up to 200 m for Class C will significantly expand the monitored area, in addition, for ease of installation, it is now possible to design a U-shaped branch pipe with a total length of up to 200 m, and additionally to flexible capillaries, the "elbow" type capillaries can be installed.

Certificate of the Russian Federation.
EAEU Certificate.
Certificate of the Republic of Kazakhstan.
Certificate of the Republic of Belarus.

Countries of export: Republic of Belarus, Republic of Uzbekistan, Kyrgyz Republic, Republic of Azerbaijan, Republic of Moldova, Mongolia.

PA Spetsavtomatika CJSC



TN VED Code 8531 10 300 0

Gas fire detector IP 435-1

The IP 435-1 v3 gas fire detector is designed to protect facilities (including those, where people may stay: institutions, apartments, retail premises, warehouses, garages, etc.) against fires by analyzing the gas-air environment for increased concentrations of carbon monoxide and temperature in excess of permissible limits, sending light notifications and signals of fire or malfunction to external circuits.

Key performance parameters

Power supply: 9-30 V; power consumption - not more than 0.36 W.
Six CO gas sensitivity ranges.
Six temperature sensitivity ranges.
Performance monitoring.

Operation mode selection: combined, gas threshold, thermal threshold.

Certificate of the Russian Federation.
EAEU Certificate.
Certificate of the Republic of Kazakhstan.
Certificate of the Republic of Belarus.

Countries of export: Republic of Belarus, Republic of Uzbekistan, Kyrgyz Republic, Republic of Azerbaijan, Republic of Moldova, Mongolia.

PA Spetsavtomatika CJSC



TN VED Code 8531 10 300 0

heat fire detector IP-114-5-A2 (A3)

It is designed to control the gas-air environment temperature in buildings and structures, and to issue a fire alert when the detector response temperature is exceeded.

Key performance parameters

It is insensitive to the effects of magnetic fields, which makes it possible to use it at power plants, power distribution stations, and in the vicinity of heavy-duty power consumers.
Optimal location of the temperature-sensing element in the detector housing meets the conditions for early detection of the early stage of fire.
Operation mode selection: multiobjective, combined, gas threshold, thermal threshold.

Certificate of the Russian Federation.
EAEU Certificate.
Certificate of the Republic of Kazakhstan.
Certificate of the Republic of Belarus.

Countries of export: Republic of Belarus, Republic of Uzbekistan, Kyrgyz Republic, Republic of Azerbaijan, Republic of Moldova, Mongolia.

PA Spetsavtomatika JSC



TN VED Code 8531 10 3000

Combined fire and security annunciator "Biya-S" of the modifications: 1/220-1, 1/220-2,3; 1/12

It is designed for use in fire and security systems to alert people with the help of sound and light signals.

Key performance parameters

Sound pressure level - at least 85 dB.
Ingress protection rating - IP54.
Tamper button.

Certificate of the Russian Federation.
EAEU Certificate.
Certificate of the Republic of Kazakhstan.
Certificate of the Republic of Belarus.

Countries of export: Republic of Belarus, Republic of Uzbekistan, Kyrgyz Republic, Republic of Azerbaijan, Republic of Moldova, Mongolia.

PA Spetsavtomatika JSC



TN VED Code 8531 10 300 0

Combined-type annunciator Korbu

It is used to generate alarms, to attract attention in various situations: in case of unauthorized access to premises, in case of fire, emergency, in security and fire alarm systems, technological process emergency alert systems. KORBU annunciators are ideal for use in most design solutions due to their flexibility. The annunciator is designed for indoor operation, but it can also be used outdoors (provided that it is installed in places protected from direct sunlight and atmospheric precipitation).

Key performance parameters

It has separate light and sound units designed for a universal supply voltage of 12, 24, 220 V AC or DC.
Low current consumption.
The availability of a terminal block makes it reliable and easy to connect.
Ingress protection rating - IP41.

Certificate of the Russian Federation.
EAEU Certificate.
Certificate of the Republic of Kazakhstan.
Certificate of the Republic of Belarus.

Countries of export: Republic of Belarus, Republic of Uzbekistan, Kyrgyz Republic, Republic of Azerbaijan, Republic of Moldova, Mongolia.

PA Spetsavtomatika JSC



TN VED Code 8531 10 300 0

Combined fire and security annunciator Korbu-2M

It is used in security and fire alarm systems. It can be used indoors and outdoors, provided that it is placed under a canopy (visor) to protect it against direct sunlight and atmospheric precipitation.

Key performance parameters

It contains separate light and sound units, designed for a rated supply voltage of 12 V with a common positive terminal. The sound unit generates three alarm signals ("Incident" signal, "Attention" signal and "Alarm" signal) that are differing in tone.

Certificate of the Russian Federation.
EAEU Certificate.
Certificate of the Republic of Kazakhstan.
Certificate of the Republic of Belarus.

Countries of export: Republic of Belarus, Republic of Uzbekistan, Kyrgyz Republic, Republic of Azerbaijan, Republic of Moldova, Mongolia.

PA Spetsavtomatika JSC



TN VED Code 8537 10 990 0

Control and monitoring cabinet CMC

SHUK-1-2-3 (1 - number of directions;
2 - ingress protection rating IP54;
3 - type of applied controllers).

It is designed to control the automation units of a modular fire water pump station.

Key performance parameters

- control of "FIRE" signals according to directions and "START" signal from manual call points;
- transmission of pump trigger signals to PCC (via the RS-485 interface);
- monitoring the position of butterfly valves;
- monitoring of pressure sensors;
- monitoring the communication between cabinets;
- monitoring the integrity of communication lines with sensors;
- monitoring the integrity of trigger circuits of the main and standby pumps, the jockey pump;
- monitoring the availability of water at the inputs of a modular fire water pump station;
- transmission of information on the state of elements of the fire extinguishing pump station to the control and signaling cabinet CSC (via the RS-485 interface).

Certificate of the Russian Federation.
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Countries of export: Republic of Belarus, Republic of Uzbekistan, Kyrgyz Republic, Republic of Azerbaijan, Republic of Moldova, Mongolia.

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TN VED Code 8537 10 990 0

Control and signaling cabinet CSC

SHUS-1-2-3-4-5 (1 - number of controlled objects;
2 - availability of emergency backup power input;
3 - ingress protection rating IP54;
4 - type of applied controllers;
5 - dimension determining the cabinet depth

It is designed to remotely control and display information about the state of the modular fire pump station jointly with the control and monitoring cabinet CMC and the pump control cabinet PCC. Data is transferred between the cabinets via the RS-485 interface using the open MODBUS RTU protocol.

Key performance parameters

Control and management of actuating devices within the addressable system (remote start, automatic blocking, reset and restoration of installation parameters).
Display of information on the status of a modular fire-fighting station on the digital operator panel and using single indicators.

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Countries of export: Republic of Belarus, Republic of Uzbekistan, Kyrgyz Republic, Republic of Azerbaijan, Republic of Moldova, Mongolia.

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TN VED Code 8537 10 990 0

Pump control cabinet PCC

SHUN-2D9(4)/1D12(5.5)-Rv-IP54-O
SHUN-2D12(5.5)/1D12(5.5)-Rv-IP54-O
SHUN-2D18(7.5)/1D12(5.5)-Rv-IP54-O
SHUN-2D25(11)/1D12(5.5)-Rv-IP54-O
SHUN-2D32(15)/1D12(5.5)-Rv-IP54-O
SHUN-2D40(18.5)/1D12(5.5)-Rv-IP54-O
SHUN-2D50(22)/1D12(5.5)-Rv-IP54-O
SHUN-2D65(30)/1D12(5.5)-Rv-IP54-O
SHUN-2D80(37)/1D12(5.5)-Rv-IP54-O
SHUN-2D95(45)/1D12(5.5)-Rv-IP54-O

It is designed to control pumps and display information on the states of the pumping station.

Key performance parameters

It ensures:

- indication and monitoring the presence of voltage at the main and standby power supply inputs;
- transmission of information about the state of pumps to the control and monitoring cabinet CMC via the RS-485 interface line;

- monitoring the CMC - PCC interface communication line;
- possibility of automatic and manual pump control;
- switching between the station operating modes "Manual", "Automatic", "Blocked".

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Countries of export: Republic of Belarus, Republic of Uzbekistan, Kyrgyz Republic, Republic of Azerbaijan, Republic of Moldova, Mongolia.

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TN VED Code 8531 10 300 0

Self-contained (automatic) alarm actuating device for the USPAA-1 fire extinguishing installations of mod. V2, V4, v5 (complete with interface units MS-1, relay units MR-1, remote start units PDP-1)

USPAA-1
Interface unit MS-1 v4.1 "USPAA-1 v2"
Interface unit MS-1 v4.2 "USPAA-1 v2"
Relay unit MP-1 v2 "USPAA-1 v2"
Remote start unit PDP-1 v2 "USPAA-1 v2"

It is designed to check the "Open" position v2 - to monitor the temperature in the protected premises, it controls the process of starting the fire extinguishing module. V4, v5 - monitoring by means of optical and thermal fire detection channels; when detecting fire, it generates warning signals, control signals for fire extinguishing modules.

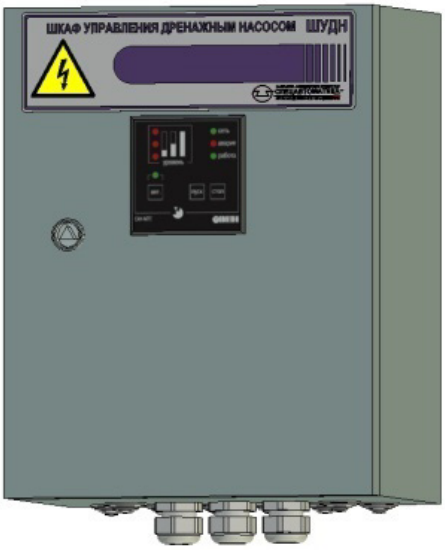
Key performance parameters

Integrated optical visual annunciator. Integrated sound annunciator.
"Control" button to check operation of the device in various operating modes.
"Time delay" to generate the ignition cylinder actuation tactics.

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Countries of export: Republic of Belarus, Republic of Uzbekistan, Kyrgyz Republic, Republic of Azerbaijan, Republic of Moldova, Mongolia.

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TN VED Code 8537 10 990 0

Drain pump control cabinet DPCC

It is designed to control drain pump, supplies and disconnects voltage in the pump electric motor power circuit with a capacity of up to 1 kW.

Key performance parameters

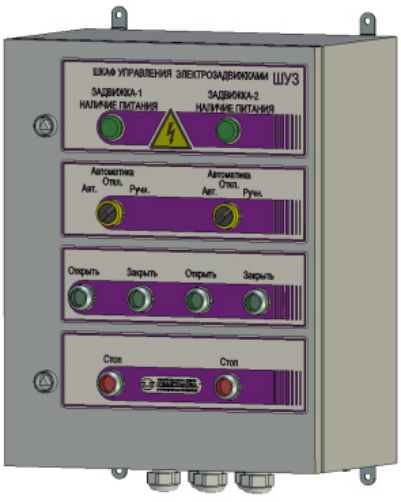
The cabinet operation algorithm is ensured by the level indicator of liquid and bulk materials OVEN SAU - M7E. The cabinet operation algorithm implements the following tasks:

- automatic and manual start of the drain pump;
- control of the tank liquid level via three sensors;
- generating an alarm when the top level sensor is closed;
- generating an alarm on violation of the pump supply circuit integrity;
- regulator operating mode - draining the tank according to the hysteresis law.

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Countries of export: Republic of Belarus, Republic of Uzbekistan, Kyrgyz Republic, Republic of Azerbaijan, Republic of Moldova, Mongolia.

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TN VED Code 8537 10 990 0

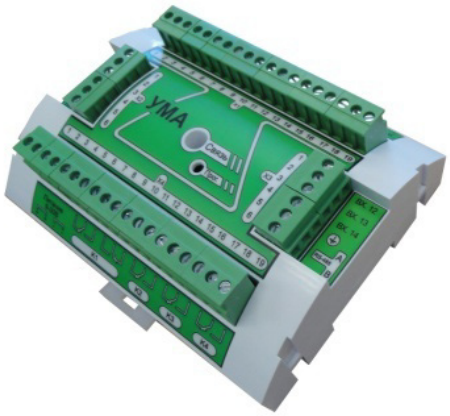
Motorized valve control cabinet VCC

It is designed to control motor-operated valves of the type VB015 115V - 230V 50/60Hz, VMA 05, 220 V and equivalent (RS-485, MODBUS-RTU protocol).

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Countries of export: Republic of Belarus, Republic of Uzbekistan, Kyrgyz Republic, Republic of Azerbaijan, Republic of Moldova, Mongolia.

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TN VED Code 8537 10 990 0

Microsystem automation device (Input-output device) MAD

It is designed for collecting and analyzing information from primary detectors, measuring and comparing parameters, logical signal processing and transmitting control commands to actuators.

Key performance parameters

Supply voltage - 9-30 V.
Power consumption - not more than 3 W. RS-485 interface, baud rate 9600, 19200 baud, ModBus-RTU protocol.
Ingress protection rating - IP54.

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Countries of export: Republic of Belarus, Republic of Uzbekistan, Kyrgyz Republic, Republic of Azerbaijan, Republic of Moldova, Mongolia.

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TN VED Code 8537 10 990 0

Monitoring and control unit MCU (MAD)

It is designed for monitoring and control of the modular high-speed automatic fire extinguishing system "BASTION".

Key performance parameters

It provides receiving, registration and transmission of notifications to external circuits from manual and automatic passive, active (loop-powered) and four-wire fire detectors with the advantage of fire notifications in relation to other generated signals, with the indication of the loop number, in which detectors were triggered using the CSC cabinet, including activation of acoustic and optical alarms.

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Countries of export: Republic of Belarus, Republic of Uzbekistan, Kyrgyz Republic, Republic of Azerbaijan, Republic of Moldova, Mongolia.

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TN VED Code 8537 10 990 0

Interface unit (Phase monitoring device) MS-1

MS-1v1 is used for monitoring circuits at a monitoring current of 5-10 mA.
MS-1v2 is used to monitor circuits with indication of the on state at a monitoring current of 5-10 mA.
MS-1v3 is used for monitoring 50 Hz, 220 V alternating current circuits with the indication of the on state at a monitoring current of 10 mA.

The MS-1 interface module is designed to work in combination with devices such as PPKOP 019-1-15 "Piket-2", contains a dual-channel optoelectronic relay for switching DC and AC currents. In the initial state, both pairs of "dry" contacts of the relay are open.

Key performance parameters

The module contains three galvanically isolated optocoupler relays with "dry" contacts. The limits of the input control voltage at each channel at triggering (alternating or direct current) are from 187 V to 250 V.
Maximum switching voltage: DC - not more than 400 V, AC - not more than 270 V.
The maximum switching current of the non-inductive load is up to 0.12 A (at a control voltage of 220 V).
Switching delay - not more than 70 ms.
Ingress protection rating - IP22.

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Countries of export: Republic of Belarus, Republic of Uzbekistan, Kyrgyz Republic, Republic of Azerbaijan, Republic of Moldova, Mongolia.

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TN VED Code 8531 10 300 0

WIRELESS SOUNDER (RADIO CHANNEL SOUNDER)

ARG-WL8-SND (Sirena-PRO)

It is designed for sound notification of people about fire.

Key performance parameters

Sound pressure level - 98 dB.
10 years of battery operation.
Radio communication range - 1200 m.
Operating temperature range: - from -30°C to +55°C.

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Countries of export: European Countries, People's Republic of China, United States of America, Canada, United Mexican States, Argentine Republic, Federal Republic of Brazil, Republic of Chile, Republic of South Africa, United Republic of Tanzania, United Arab Emirates, State of Qatar, Republic of India, Taiwan, Republic of Singapore, Australia, New Zealand, Republic of Turkey

ARGUS-SPECTRUM LLC



TN VED Code 8531 10 300 0

Radio-channel system for transmission of notifications on intrusion and fire "BazAlt"

RCSTN "BazAlt"

It is designed for centralized protection, control and management of security and fire systems and/or devices installed at remote facilities of various purposes and property types.

Key performance parameters

Ultra-narrowband transmission, Hopping, multichannel information reception, cyclic group polling, encryption of transmitted data. The unique properties of the radio channel, combined with the advantages of two-way communication, have become the basis for a new system with technical parameters that significantly exceed those pertaining to other RCSTNs.

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Countries of export: Republic of Belarus, Republic of Kazakhstan, Kyrgyz Republic, Republic of Uzbekistan, Republic of Armenia.

Altonika SB LLC



TN VED Code 8531 10 300 0

Radio channel system for transmission of notifications about intrusion and fire "Rif String model RS-202" (LONTA-202)

"Rif String model RS-202" (LONTA-202)

It is designed for centralized protection of geographically distributed stationary facilities with the transmission of security and fire notifications over the radio channel.

Key performance parameters

Working frequency band: 433.92 MHz ±0.2.
Transmitting power: 10 mW.
Operating range:
in urban settings - up to 25 km or more;
in open terrain - up to 50 km or more.
System capacity (maximum number of transmitters per base station): 2400*.
Control of communication with each unit (depends on the number of units in the system): every 4-90 min.
Number of independently operating RCSTNs LONTA-202 in one territory: up to 30.

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Countries of export: Republic of Belarus, Republic of Kazakhstan, Kyrgyz Republic, Republic of Uzbekistan, Republic of Armenia.

Altonika SB LLC



TN VED Code 8531 10 300 0

Radio channel system for transmission of notifications about intrusion and fire "Rif String model RS-201" (LONTA OPTIMA)

"Rif String model RS-201" (LONTA OPTIMA)

It is designed for centralized protection of geographically distributed stationary facilities with the transmission of security and fire notifications over the radio channel.

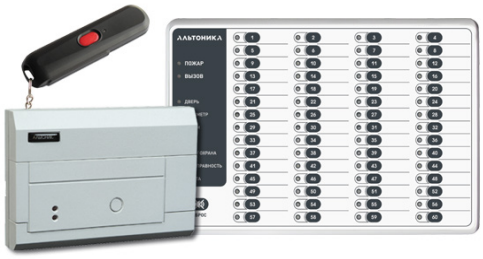
Key performance parameters

Radio frequency authorization is not required to operate the system. The system operates at the open frequency of 433.92 MHz.
Power of the facility-based transmitters is 10 mW.
The communication range is up to 10 km in urban areas and up to 25 km outside the city.
Control of communication with each facility - 20-90 min (user configurable).
Within one territory, it is possible to simultaneously use 2,000 transmitters on 4 frequency coding characters.

Certificate of the Russian Federation.
EAEU Certificate.

Countries of export: Republic of Belarus, Republic of Kazakhstan, Kyrgyz Republic, Republic of Uzbekistan, Republic of Armenia.

Altonika SB LLC



TN VED Code 8531 10 300 0

Alert buttons and alarm kits

RS-201TK/TK2/TK3

Miniature portable radio transmitter is designed for wireless transmission of signals (notifications) about attacks on citizens, on secured facilities and in other emergency situations.

Key performance parameters

Radio frequency authorization is not required to operate the system.
The system operates at the open frequency of 433.92 MHz.
Power of the facility-based transmitters is 10 mW.
The communication range is up to 10 km in urban areas and up to 25 km outside the city.

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Countries of export: Republic of Belarus, Republic of Kazakhstan, Kyrgyz Republic, Republic of Uzbekistan, Republic of Armenia.

Altonika SB LLC



TN VED Code 8531 10 300 0

Fire detection and alarm signaling controllers. Accessories

Rif-PPKOP-08, Rif-PPKOP-05, etc.

Designed for centralized and autonomous protection of buildings and structures.

Key performance parameters

Information capacity: 2-56 security and fire alarm loops.
Arming and disarming: Dallas touch-memory keys (up to 30 keys).
Operating temperature range: from -20°C to +40°C.
Operating conditions: enclosed unheated rooms, without moisture condensation.
Overall dimensions: 245 x 194 x 85 mm.

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EAEU Certificate.

Countries of export: Republic of Belarus, Republic of Kazakhstan, Kyrgyz Republic, Republic of Uzbekistan, Republic of Armenia.

Altonika SB LLC



TN VED Code 8531 10 300 0

Electric induction smoke fire detector ISAT.425223.005

IP 216-001

It is designed for monitoring the fire situation and generating information on the initiation of a fire hazard at the stage of lacking visible smoke when operating in enclosed rooms, and is highly sensitive to low concentrations of aerosols.

Key performance parameters

Supply voltage - 18-30 V.
Aerosol concentration control range is from 0.01 to 30.00 mg/m^3.
Sensitivity: 0.05-0.20 dB/m.
Overall dimensions: 150 x 84 x 80 mm.
Operating temperature range: from -20°C to +55°C.
Ingress protection rating: IP 40.
Mean time between failures: 60,000 h.
Mean service life: 10 years.

Certificate of the Russian Federation.

Planned for export.

Radar mms RDE JSC



TN VED Code 8531 10 300 0

Electric induction smoke fire detector ISAT.425223.006

IP 216-002

It is intended for monitoring the fire situation and generating information on the initiation of a fire hazardous situation at the stage of lacking visible smoke when operating indoors, in macroclimatic regions with a temperate and cold climate (version NF4 according to GOST 15150), while the lower value of the ambient temperature is set equal to -20°C, and the upper value of the ambient temperature is set equal to +55°C, and is highly sensitive to low concentrations of aerosols.

Key performance parameters

Supply voltage: 18-30 V.
Aerosol concentration control range is from 0.01 to 30.00 mg/m^3.
Sensitivity: 0.1-0.16 dB/m.
Overall dimensions: 214 x 140 x 100 mm.
Operating temperature range: from -20°C to +55°C.
Ingress protection rating: IP 54.
Mean time between failures: 60,000 h.
Mean service life: 10 years.
Capability of operation via the LoraWan wireless communication protocol.

Certificate of the Russian Federation.

Planned for export.

Radar mms RDE JSC



TN VED Code 8531 10 300 0

WIRELESS HEAT DETECTOR WITH BUILT-IN SOUNDER (Radio channel heat and self-contained fire detector IP 101 156 A1R - radio channel sound annunciator)

ARG-WL8-HS (Avrora-TS-PRO)

It is designed for detecting fires in enclosed rooms of various buildings and structures, as well as for sound notification of people on fire. The response temperature and response time through the IP thermal channel correspond to Class A1R.

Key performance parameters

Sound pressure level - 98 dB.
10 years of battery operation.
Radio communication range - 1200 m.
Operating temperature range: - from -30°C to +55°C.
Overall dimensions - 111 x 111 x 76 mm.
Weight - 0.2 kg.

Certificate of the Russian Federation.

ARGUS-SPECTRUM LLC



TN VED Code 8531 10 300 0

Explosion-proof electrical induction smoke fire detector ISAT.425223.004 1ExdIIBT6

IP 216-001- Ex

The detector is highly sensitive to low concentrations of aerosols and is intended for monitoring the fire situation and generating information on the initiation of a fire hazardous situation at the stage of lacking visible smoke when operating indoors, in macroclimatic regions with a temperate and cold climate (version NF4 according to GOST 15150), while the lower value of the ambient temperature is set equal to -20°C, and the upper value of the ambient temperature is set equal to +55°C. The detector has version 1ExdIIBT6 according to GOST 30852.0. and can be installed in hazardous areas, in accordance with the type of explosion protection.

Key performance parameters

Supply voltage: 10-28 V.
Aerosol concentration control range is from 0.01 to 30.00 mg/m^3.
Sensitivity: 0.1-0.16 dB/m.
Overall dimensions: 240 x 100 x 175 mm.
Operating temperature range: from -20°C to +55°C.
Explosion-proof marking: 1ExdIIBT6.
Ingress protection rating: IP 54.
Mean time between failures: 60,000 h.
Mean service life: 10 years.

Certificate of the Russian Federation.
EAEU Certificate.

Planned for export.

Radar mms RDE JSC



TN VED Code 8531 10 300 0

WIRELESS OPTICAL SMOKE DETECTOR (Radio channel smoke fire detector)

ARG-WL8-O (Avrora-D-PRO)

It is designed to detect ignitions in enclosed rooms of various buildings and structures. The IP smoke duct sensitivity is in the range of from 0.05 to 0.2 dBm^{-1}.

Key performance parameters

10 years of battery operation.
Radio communication range - 1200 m.
Operating temperature range: - from -30°C to +55°C.
Overall dimensions - 111 x 111 x 57 mm.
Weight - 0.2 kg.

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Countries of export: European Countries, People's Republic of China, United States of America, Canada, United Mexican States, Argentine Republic, Federal Republic of Brazil, Republic of Chile, Republic of South Africa, United Republic of Tanzania, United Arab Emirates, State of Qatar, Republic of India, Taiwan, Republic of Singapore, Australia, New Zealand, Republic of Turkey

ARGUS-SPECTRUM LLC



TN VED Code 8531 10 300 0

WIRELESS MULTI-SENSOR DETECTOR (Combined radio channel fire detector)

ARG-WL8-OH (Avrora-DT-PRO)

It is designed to detect ignitions in enclosed rooms of various buildings and structures. It has an optical smoke chamber and a temperature sensitive element.

Key performance parameters

Smoke/heat duct triggering.
10 years of battery operation.
Radio communication range - 1200 m.
Operating temperature range: - from -30°C to +55°C.
Overall dimensions - 87 x 87 x 58 mm.
Weight - 0.2 kg.

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EAEU Certificate.

Countries of export: European Countries, People's Republic of China, United States of America, Canada, United Mexican States, Argentine Republic, Federal Republic of Brazil, Republic of Chile, Republic of South Africa, United Republic of Tanzania, United Arab Emirates, State of Qatar, Republic of India, Taiwan, Republic of Singapore, Australia, New Zealand, Republic of Turkey

ARGUS-SPECTRUM LLC



TN VED Code 8536 50 110 9

WIRELESS MANUAL CALL POINT (Manual single channel fire detector)

ARG-WL8-CP (IPR-PRO)

It is designed to transmit a fire notification to the receiving and control device (RCD) via a radio channel.

Key performance parameters

10 years of battery operation.
Radio communication range - 1200 m.
Operating temperature range: - from -30°C to +55°C.
Overall dimensions - 108 x 108 x 97 mm.
Weight - 0.2 kg.

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Countries of export: European Countries, People's Republic of China, United States of America, Canada, United Mexican States, Argentine Republic, Federal Republic of Brazil, Republic of Chile, Republic of South Africa, United Republic of Tanzania, United Arab Emirates, State of Qatar, Republic of India, Taiwan, Republic of Singapore, Australia, New Zealand, Republic of Turkey

ARGUS-SPECTRUM LLC



TN VED Code 8531 10 300 0

WIRELESS HEAT DETECTOR (Radio channel heat fire detector)

ARG-WL8-H (Avrora-T-PRO)

It is designed to detect ignitions in enclosed rooms of various buildings and structures. The response temperature and response time through the IP thermal channel correspond to Class A1R.

Key performance parameters

10 years of battery operation.
Radio communication range - 1200 m.
Operating temperature range: - from -30°C to +55°C.
Overall dimensions - 111 x 111 x 62 mm.
Weight - 0.2 kg.

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Countries of export: European Countries, People's Republic of China, United States of America, Canada, United Mexican States, Argentine Republic, Federal Republic of Brazil, Republic of Chile, Republic of South Africa, United Republic of Tanzania, United Arab Emirates, State of Qatar, Republic of India, Taiwan, Republic of Singapore, Australia, New Zealand, Republic of Turkey

ARGUS-SPECTRUM LLC



TN VED Code 8531 10 300 0

WIRELESS OPTICAL SMOKE DETECTOR WITH BUILT-IN SOUNDER (Radio channel and self-contained smoke fire detector IP 212-3/6 – radio channel sound annunciator)

ARG-WL8-OS (Avrora-DS-PRO)

It is designed for detecting fires in enclosed rooms of various buildings and structures, as well as for sound notification of people on fire. The IP smoke duct sensitivity is in the range of from 0.05 to 0.2 dBm^{-1}.

Key performance parameters

Sound pressure level - 98 dB.
10 years of battery operation.
Radio communication range - 1200 m.
Operating temperature range: - from -30°C to +55°C.
Overall dimensions - 111 x 111 x 64 mm.
Weight - 0.2 kg.

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Countries of export: European Countries, People's Republic of China, United States of America, Canada, United Mexican States, Argentine Republic, Federal Republic of Brazil, Republic of Chile, Republic of South Africa, United Republic of Tanzania, United Arab Emirates, State of Qatar, Republic of India, Taiwan, Republic of Singapore, Australia, New Zealand, Republic of Turkey

ARGUS-SPECTRUM LLC



TN VED Code 8531 10 300 0

WIRELESS OPTICAL SMOKE DETECTOR WITH BUILT-IN VOICE ANNUNCIATOR AND VISUAL ALARM DEVICE (Radio channel and self-contained smoke fire detector IP 212-3/7 – radio channel voice and sound annunciator)

ARG-WL8-OV (Avrora-DO-PRO)

It is designed for detecting fires in enclosed rooms of various buildings and structures, as well as for voice and sound notification of people on fire, and for dynamic evacuation control.

Key performance parameters

Sound pressure level - 88 dB.
10 years of battery operation.
Radio communication range - 1200 m.
Operating temperature range: - from -30°C to +55°C.
Overall dimensions - 111 x 111 x 75 mm.
Weight - not more than 0.25 kg.

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Countries of export: European Countries, People's Republic of China, United States of America, Canada, United Mexican States, Argentine Republic, Federal Republic of Brazil, Republic of Chile, Republic of South Africa, United Republic of Tanzania, United Arab Emirates, State of Qatar, Republic of India, Taiwan, Republic of Singapore, Australia, New Zealand, Republic of Turkey

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TN VED Code 8531 10 300 0

WIRELESS SINGLE INPUT MODULE (Radio channel actuating unit)

ARG-WL8-IN (RIG-PRO)

It is designed to control one alarm loop.

Key performance parameters

Programmable alarm loop.
10 years of battery operation.
Radio communication range - 1200 m.
Operating temperature range: - from -30°C to +55°C.
Overall dimensions - 109 x 30 x 37 mm.
Weight - not more than 0.2 kg.

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Countries of export: European Countries, People's Republic of China, United States of America, Canada, United Mexican States, Argentine Republic, Federal Republic of Brazil, Republic of Chile, Republic of South Africa, United Republic of Tanzania, United Arab Emirates, State of Qatar, Republic of India, Taiwan, Republic of Singapore, Australia, New Zealand, Republic of Turkey

ARGUS-SPECTRUM LLC



TN VED Code 8537 10 910 0

WIRELESS SINGLE OUTPUT MODULE (Radio channel actuating unit)

ARG-WL8-OUT (IB-PRO)

It is designed to control fire-fighting automatic devices as part of the "Strelets-Integral" system.

Key performance parameters

Control of line for short-circuit and open circuit.
Power relay 8 A, 220 V.
Radio communication range - 1200 m.
Operating temperature range: - from -30°C to +55°C.
IB-PRO overall dimensions - 210 x 143 x 34 mm.
Weight - 0.3 kg.

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Countries of export: European Countries, People's Republic of China, United States of America, Canada, United Mexican States, Argentine Republic, Federal Republic of Brazil, Republic of Chile, Republic of South Africa, United Republic of Tanzania, United Arab Emirates, State of Qatar, Republic of India, Taiwan, Republic of Singapore, Australia, New Zealand, Republic of Turkey

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TN VED Code 8537 10 910 0

WIRELESS EXPANDER MODULE (Radio channel device controller)

ARG-WL8-EXP (RR-PRO)

It is designed for repeating signals from radio channel devices Strelets-PRO to the controller of radio channel devices RR-V-PRO.

Key performance parameters

2 inputs-outputs, 1 output 30 V, 3 A.
Radio communication range - 2000 m.
Power supply: 9-27 V.
Operating temperature range: - from -30°C to +55°C.
Overall dimensions - 210 x 143 x 34 mm.
Weight - 0.3 kg.

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Countries of export: European Countries, People's Republic of China, United States of America, Canada, United Mexican States, Argentine Republic, Federal Republic of Brazil, Republic of Chile, Republic of South Africa, United Republic of Tanzania, United Arab Emirates, State of Qatar, Republic of India, Taiwan, Republic of Singapore, Australia, New Zealand, Republic of Turkey

ARGUS-SPECTRUM LLC



TN VED Code 8537 10 910 0

WIRELESS TRANSLATOR MODULE (Radio channel device controller)

ARG-WL8-TRV (RR-V-PRO)

It is designed to be connected to the control panel and to transmit information from Strelets-PRO radio channel devices using the Vega protocol.

Key performance parameters

Line supply voltage - from 18 to 36 V.
Consumption current - 1 A.
Operating frequencies - 866–869.85 MHz.
Radio communication range with detectors - 1200 m.
The maximum number of controlled radio band expanders is 127.
The maximum number of controlled derived devices is 239.
Operating temperature range: - from -30°C to +55°C.
Overall dimensions - 210 x 143 x 34 mm.
Weight - 0.3 kg.

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Countries of export: European Countries, People's Republic of China, United States of America, Canada, United Mexican States, Argentine Republic, Federal Republic of Brazil, Republic of Chile, Republic of South Africa, United Republic of Tanzania, United Arab Emirates, State of Qatar, Republic of India, Taiwan, Republic of Singapore, Australia, New Zealand, Republic of Turkey

ARGUS-SPECTRUM LLC



TN VED Code 8531 10 300 0

Security and fire alarm signaling controller

Granit-2

It is designed to ensure security and fire safety at the facility.

Key performance parameters

Number of alarm loops - 2-12 pcs.
Number of main types of device notifications - 18.
Memory capacity of ID codes (TM keys, proximity cards, digital codes, key fobs) - 64 pcs.
Weight without battery - not more than 700 g.
Device housing overall dimensions - not more than 250 x 210 x 80 mm.
Ingress protection rating when operating the device fixed on a flat surface, IP40.
Service life - at least 10 years.
Operating temperature range is from -30°C to +50°C.

Certificate of the Russian Federation.
EAEU Certificate.

Countries of export: Republic of Kazakhstan, Kyrgyz Republic, Republic of Armenia, Mongolia, Republic of Tajikistan, Republic of Azerbaijan, Republic of Moldova.

SPA Sibirskiy Arsenal LLC



TN VED Code 8531 10 300 0

Security and fire alarm signaling controller

Granit-3

It is designed to ensure security and fire safety at the facility.

Key performance parameters

Number of alarm loops - 2-12 pcs.
Number of main types of device notifications - 18.
Memory capacity of ID codes (TM keys, proximity cards, digital codes, key fobs) - 64 pcs.
Weight without battery - not more than 700 g.
Device housing overall dimensions - not more than 250 x 210 x 80 mm.
Ingress protection rating when operating the device fixed on a flat surface, IP40.
Service life - at least 10 years.
Operating temperature range is from -30°C to +50°C.

Certificate of the Russian Federation.
EAEU Certificate.

Countries of export: Republic of Kazakhstan, Kyrgyz Republic, Republic of Armenia, Mongolia, Republic of Tajikistan, Republic of Azerbaijan, Republic of Moldova.

SPA Sibirskiy Arsenal LLC



TN VED Code 8531 10 300 0

Security and fire alarm signaling controller

Granit-4

It is designed to ensure security and fire safety at the facility.

Key performance parameters

Number of alarm loops - 2-12 pcs.
Number of main types of device notifications - 18.
Memory capacity of ID codes (TM keys, proximity cards, digital codes, key fobs) - 64 pcs.
Weight without battery - not more than 700 g.
Device housing overall dimensions - not more than 250 x 210 x 80 mm.
Ingress protection rating when operating the device fixed on a flat surface, IP40.
Service life - at least 10 years.
Operating temperature range is from -30°C to +50°C.

Certificate of the Russian Federation.
EAEU Certificate.

Countries of export: Republic of Kazakhstan, Kyrgyz Republic, Republic of Armenia, Mongolia, Republic of Tajikistan, Republic of Azerbaijan, Republic of Moldova.

SPA Sibirskiy Arsenal LLC



TN VED Code 8531 10 300 0

Security and fire alarm signaling controller

Granit-5

It is designed to ensure security and fire safety at the facility.

Key performance parameters

Number of alarm loops - 2-12 pcs.
Number of main types of device notifications - 18.
Memory capacity of ID codes (TM keys, proximity cards, digital codes, key fobs) - 64 pcs.
Weight without battery - not more than 700 g.
Device housing overall dimensions - not more than 250 x 210 x 80 mm.
Ingress protection rating when operating the device fixed on a flat surface, IP40.
Service life - at least 10 years.
Operating temperature range is from -30°C to +50°C.

Certificate of the Russian Federation.
EAEU Certificate.

Countries of export: Republic of Kazakhstan, Kyrgyz Republic, Republic of Armenia, Mongolia, Republic of Tajikistan, Republic of Azerbaijan, Republic of Moldova.

SPA Sibirskiy Arsenal LLC



TN VED Code 8531 10 300 0

Security and fire alarm signaling controller

Granit-8

It is designed to ensure security and fire safety at the facility.

Key performance parameters

Number of alarm loops - 2-12 pcs.
Number of main types of device notifications - 18.
Memory capacity of ID codes (TM keys, proximity cards, digital codes, key fobs) - 64 pcs.
Weight without battery - not more than 700 g.
Device housing overall dimensions - not more than 250 x 210 x 80 mm.
Ingress protection rating when operating the device fixed on a flat surface, IP40.
Service life - at least 10 years.
Operating temperature range is from -30°C to +50°C.

Certificate of the Russian Federation.
EAEU Certificate.

Countries of export: Republic of Kazakhstan, Kyrgyz Republic, Republic of Armenia, Mongolia, Republic of Tajikistan, Republic of Azerbaijan, Republic of Moldova.

SPA Sibirskiy Arsenal LLC



TN VED Code 8531 10 300 0

Security and fire alarm signaling controller

Granit-12

It is designed to ensure security and fire safety at the facility.

Key performance parameters

Number of alarm loops - 2-12 pcs.
Number of main types of device notifications - 18.
Memory capacity of ID codes (TM keys, proximity cards, digital codes, key fobs) - 64 pcs.
Weight without battery - not more than 700 g.
Device housing overall dimensions - not more than 250 x 210 x 80 mm.
Ingress protection rating when operating the device fixed on a flat surface, IP40.
Service life - at least 10 years.
Operating temperature range is from -30°C to +50°C.

Certificate of the Russian Federation.
EAEU Certificate.

Countries of export: Republic of Kazakhstan, Kyrgyz Republic, Republic of Armenia, Mongolia, Republic of Tajikistan, Republic of Azerbaijan, Republic of Moldova.

SPA Sibirskiy Arsenal LLC



TN VED Code 8531 10 300 0

Security and fire alarm signaling controller

Granit-16

It is designed to ensure security and fire safety at the facility.

Key performance parameters

Number of alarm loops - 16, 24 pcs.
Number of main types of device notifications - 17.
Memory capacity of ID codes (TM keys, proximity cards, digital codes, key fobs) - 128 pcs. Device weight without battery - not more than 2.5 kg.
Device overall dimensions - not more than 325 x 260 x 90 mm.
Ingress protection rating when operating the device fixed on a flat surface, IP40.
Service life - at least 10 years.
Operating temperature range is from 30°C to +50°C.

Certificate of the Russian Federation.
EAEU Certificate.

Countries of export: Republic of Kazakhstan, Kyrgyz Republic, Republic of Armenia, Mongolia, Republic of Tajikistan, Republic of Azerbaijan, Republic of Moldova.

SPA Sibirskiy Arsenal LLC



TN VED Code 8531 10 300 0

Security and fire alarm signaling controller

Granit-24

It is designed to ensure security and fire safety at the facility.

Key performance parameters

Number of alarm loops - 16, 24 pcs.
Number of main types of device notifications - 17.
Memory capacity of ID codes (TM keys, proximity cards, digital codes, key fobs) - 128 pcs. Device weight without battery - not more than 2.5 kg.
Device overall dimensions - not more than 325 x 260 x 90 mm.
Ingress protection rating when operating the device fixed on a flat surface, IP40.
Service life - at least 10 years.
Operating temperature range is from 30°C to +50°C.

Certificate of the Russian Federation.
EAEU Certificate.

Countries of export: Republic of Kazakhstan, Kyrgyz Republic, Republic of Armenia, Mongolia, Republic of Tajikistan, Republic of Azerbaijan, Republic of Moldova.

SPA Sibirskiy Arsenal LLC



TN VED Code 8531 10 300 0

Security and fire alarm signaling controller

Granit-3 Ek

It is designed to ensure security and fire safety at the facility.

Key performance parameters

Number of alarm loops - 3, 6, 9 pcs.
Number of identifiers (proximity-cards, digital codes, key fobs, TM keys) - 220 pcs. Operating temperature range (without battery) is from -40°C to +50°C.
Device overall dimensions - not more than 250 x 210 x 80 mm.
Device weight without battery - not more than 1 kg.

Certificate of the Russian Federation.
EAEU Certificate.

Countries of export: Republic of Kazakhstan, Kyrgyz Republic, Republic of Armenia, Mongolia, Republic of Tajikistan, Republic of Azerbaijan, Republic of Moldova.

SPA Sibirskiy Arsenal LLC



TN VED Code 8531 10 300 0

Security and fire alarm signaling controller

Granit-6 Ek

It is designed to ensure security and fire safety at the facility.

Key performance parameters

Number of alarm loops - 3, 6, 9 pcs.
Number of identifiers (proximity-cards, digital codes, key fobs, TM keys) - 220 pcs. Operating temperature range (without battery) is from -40°C to +50°C.
Device overall dimensions - not more than 250 x 210 x 80 mm.
Device weight without battery - not more than 1 kg.

Certificate of the Russian Federation.
EAEU Certificate.

Countries of export: Republic of Kazakhstan, Kyrgyz Republic, Republic of Armenia, Mongolia, Republic of Tajikistan, Republic of Azerbaijan, Republic of Moldova.

SPA Sibirskiy Arsenal LLC



TN VED Code 8531 10 300 0

Security and fire alarm signaling controller

Granit-9 Ek

It is designed to ensure security and fire safety at the facility.

Key performance parameters

Number of alarm loops - 3, 6, 9 pcs.
Number of identifiers (proximity-cards, digital codes, key fobs, TM keys) - 220 pcs. Operating temperature range (without battery) is from -40°C to +50°C.
Device overall dimensions - not more than 250 x 210 x 80 mm.
Device weight without battery - not more than 1 kg.

Certificate of the Russian Federation.
EAEU Certificate.

Countries of export: Republic of Kazakhstan, Kyrgyz Republic, Republic of Armenia, Mongolia, Republic of Tajikistan, Republic of Azerbaijan, Republic of Moldova.

SPA Sibirskiy Arsenal LLC



TN VED Code 8531 10 300 0

Fire detection and alarm signaling controller

Kvarts, Version 2

It is designed to ensure security and fire safety at the facility.

Key performance parameters

Number of alarm loops - 1 pc.
Number of main types of device notifications - 12.
Overall dimensions - not more than 186 x 151 x 60 mm.
Ingress protection rating when operating the device fixed on a flat surface, IP40.
Service life - at least 10 years.
Operating temperature range is from -30°C to +55°C.

Certificate of the Russian Federation.
EAEU Certificate.

Countries of export: Republic of Kazakhstan, Kyrgyz Republic, Republic of Armenia, Mongolia, Republic of Tajikistan, Republic of Azerbaijan, Republic of Moldova.

SPA Sibirskiy Arsenal LLC



TN VED Code 8531 10 300 0

Manual fire detector

IP 535-8-A

It is designed for manual activation of the "Fire" signal in fire alarm systems.

Key performance parameters

Current consumption in standby mode - not more than 80 μA.
Overall dimensions - not more than 100 x 90 x 45 mm.

Certificate of the Russian Federation.
EAEU Certificate.

Countries of export: Republic of Kazakhstan, Kyrgyz Republic, Republic of Armenia, Mongolia, Republic of Tajikistan, Republic of Azerbaijan, Republic of Moldova.

SPA Sibirskiy Arsenal LLC



TN VED Code 8531 10 300 0

Heat fire detector

IP 101-1A-A1

It is designed to detect signs of fire (increased ambient temperature).

Key performance parameters

Rated response temperature - 54-65°C.

Certificate of the Russian Federation.
EAEU Certificate.

Countries of export: Republic of Kazakhstan, Kyrgyz Republic, Republic of Armenia, Mongolia, Republic of Tajikistan, Republic of Azerbaijan, Republic of Moldova.

SPA Sibirskiy Arsenal LLC



TN VED Code 8531 10 300 0

heat fire detector

IP 101-1A-A3

It is designed to detect signs of fire (increased ambient temperature).

Key performance parameters

Rated response temperature - 64-76°C.

Certificate of the Russian Federation.

Countries of export: Republic of Kazakhstan, Kyrgyz Republic, Republic of Armenia, Mongolia, Republic of Tajikistan, Republic of Azerbaijan, Republic of Moldova.

SPA Sibirskiy Arsenal LLC



TN VED Code 8531 10 300 0

heat fire detector

IP 101-3A-A3R

It is designed to detect signs of fire (increased ambient temperature).

Key performance parameters

Rated response temperature - 64-76°C.

Certificate of the Russian Federation.
EAEU Certificate.

Countries of export: Republic of Kazakhstan, Kyrgyz Republic, Republic of Armenia, Mongolia, Republic of Tajikistan, Republic of Azerbaijan, Republic of Moldova.

SPA Sibirskiy Arsenal LLC



TN VED Code 8531 10 300 0

Smoke fire detector

IP 212-63 "Danko"

It is designed to detect signs of fire (increased smoke content).

Key performance parameters

Current consumption - 75 μA.
Operating temperature range is from -30°C to +55°C.

Certificate of the Russian Federation.

Countries of export: Republic of Kazakhstan, Kyrgyz Republic, Republic of Armenia, Mongolia, Republic of Tajikistan, Republic of Azerbaijan, Republic of Moldova.

SPA Sibirskiy Arsenal LLC



TN VED Code 8531 10 300 0

Smoke fire detector

IP 212-63M "Danko-2"

It is designed to detect signs of fire (increased smoke content).

Key performance parameters

Current consumption - 75 μA.
Operating temperature range is from -30°C to +55°C.

Certificate of the Russian Federation.
EAEU Certificate.

Countries of export: Republic of Kazakhstan, Kyrgyz Republic, Republic of Armenia, Mongolia, Republic of Tajikistan, Republic of Azerbaijan, Republic of Moldova.

SPA Sibirskiy Arsenal LLC



TN VED Code 8531 10 300 0

Light annunciator

Prizma-102 "Exit"

It is designed for light illumination (EXIT panel).

Key performance parameters

Consumption current - 20 mA.

Certificate of the Russian Federation.
EAEU Certificate.

Countries of export: Republic of Kazakhstan, Kyrgyz Republic, Republic of Armenia, Mongolia, Republic of Tajikistan, Republic of Azerbaijan, Republic of Moldova.

SPA Sibirskiy Arsenal LLC



TN VED Code 8531 10 300 0

Alert control device

Rokot

It is designed for broadcasting a pre-recorded voice message in the event of a fire or other emergency situations.

Key performance parameters

Up to 4 annunciators can be connected.

Certificate of the Russian Federation.
EAEU Certificate.

Countries of export: Republic of Kazakhstan, Kyrgyz Republic, Republic of Armenia, Mongolia, Republic of Tajikistan, Republic of Azerbaijan, Republic of Moldova.

SPA Sibirskiy Arsenal LLC



TN VED Code 8531 10 300 0

Self-contained smoke fire detector

IP 212-63A

It is designed to detect signs of fire (increased smoke content), and has an integrated acoustic alarm.

Key performance parameters

Sound pressure level at a distance of 1 m - at least 85 dB.
Battery life - 5 years.

Certificate of the Russian Federation.
EAEU Certificate.

Countries of export: Republic of Kazakhstan, Kyrgyz Republic, Republic of Armenia, Mongolia, Republic of Tajikistan, Republic of Azerbaijan, Republic of Moldova.

SPA Sibirskiy Arsenal LLC



TN VED Code 8531 10 300 0

Alert control device

Rokot-2

It is designed for broadcasting a pre-recorded voice message in the event of a fire or other emergency situations.

Key performance parameters

Up to 40 annunciators can be connected.

Certificate of the Russian Federation.
EAEU Certificate.

Countries of export: Republic of Kazakhstan, Kyrgyz Republic, Republic of Armenia, Mongolia, Republic of Tajikistan, Republic of Azerbaijan, Republic of Moldova.

SPA Sibirskiy Arsenal LLC



TN VED Code 8531 10 300 0

Alert control device

Rokot-3

It is designed for broadcasting a pre-recorded voice message in the event of a fire or other emergency situations.

Key performance parameters

Active voice annunciator, transmits a message when 12V power is applied.

Certificate of the Russian Federation.
EAEU Certificate.

Countries of export: Republic of Kazakhstan, Kyrgyz Republic, Republic of Armenia, Mongolia, Republic of Tajikistan, Republic of Azerbaijan, Republic of Moldova.

SPA Sibirskiy Arsenal LLC



TN VED Code 8531 10 300 0

Alert control device

Rokot-4

It is designed for broadcasting a pre-recorded voice message in the event of a fire or other emergency situations.

Key performance parameters

Up to 16 annunciators can be connected.

Certificate of the Russian Federation.
EAEU Certificate.

Countries of export: Republic of Kazakhstan, Kyrgyz Republic, Republic of Armenia, Mongolia, Republic of Tajikistan, Republic of Azerbaijan, Republic of Moldova.

SPA Sibirskiy Arsenal LLC



TN VED Code 8531 10 300 0

Alert control device

Rokot-5 PUO

It is designed for broadcasting a pre-recorded voice message in the event of a fire or other emergency situations.

Key performance parameters

Up to 80 annunciators can be connected. Line voltage - 100 V.

Certificate of the Russian Federation.
EAEU Certificate.

Countries of export: Republic of Kazakhstan, Kyrgyz Republic, Republic of Armenia, Mongolia, Republic of Tajikistan, Republic of Azerbaijan, Republic of Moldova.

SPA Sibirskiy Arsenal LLC



TN VED Code 8531 10 300 0

Alert control device

Rokot-5 UM

It is designed for a supplementary power amplifier in the Rokot-5 system.

Key performance parameters

Line voltage - 100 V.
Amplifier power - 120 W.

Certificate of the Russian Federation.
EAEU Certificate.

Countries of export: Republic of Kazakhstan, Kyrgyz Republic, Republic of Armenia, Mongolia, Republic of Tajikistan, Republic of Azerbaijan, Republic of Moldova.

SPA Sibirskiy Arsenal LLC



TN VED Code 8531 10 300 0

Voice annunciator

AC-2-2

It is designed for voice announcement.

Key performance parameters

Wall-mounted version, 42 Ohm, 84 dB.

Certificate of the Russian Federation.
EAEU Certificate.

Countries of export: Republic of Kazakhstan, Kyrgyz Republic, Republic of Armenia, Mongolia, Republic of Tajikistan, Republic of Azerbaijan, Republic of Moldova.

SPA Sibirskiy Arsenal LLC



TN VED Code 8531 10 300 0

Voice annunciator

AC-4-2

It is designed for voice announcement.

Key performance parameters

Wall-mounted version; voltage - 100 V; three power levels - 0.5/3/5 W; 87, 90, 93 dB.

Certificate of the Russian Federation.
EAEU Certificate.

Countries of export: Republic of Kazakhstan, Kyrgyz Republic, Republic of Armenia, Mongolia, Republic of Tajikistan, Republic of Azerbaijan, Republic of Moldova.

SPA Sibirskiy Arsenal LLC



TN VED Code 8531 10 300 0

Self-contained smoke fire detector with GSM alarm system

DIP GSM (IP 212-63A GSM)

It is designed to detect signs of fire (increased smoke content), and has an integrated acoustic alarm and a GSM module.

Key performance parameters

Sound pressure level at a distance of 1 m - at least 85 dB.
Battery life - 3 years.

Certificate of the Russian Federation.
EAEU Certificate.

Countries of export: Republic of Kazakhstan, Kyrgyz Republic, Republic of Armenia, Mongolia, Republic of Tajikistan, Republic of Azerbaijan, Republic of Moldova.

SPA Sibirskiy Arsenal LLC



TN VED Code 8531

Optical-electronic analogue addressable smoke fire detector IP 212-34A "DIP-34A-03"

IP 212-34A (DIP-34A-03)

It is designed to detect fires, accompanied by the appearance of smoke in enclosed rooms of various buildings and structures, and to generate notifications "Fire", "Dust content", "Attention", "Malfunction", "Test". To be used with controllers "S2000-KDL" and "S2000-KDL-2I".

Key performance parameters

Detector sensitivity, dB/m: from 0.05 to 0.2.
Detector response time, s: not more than 10.
Ingress protection rating - IP41.
Communication line voltage, V: from 8 to 11.
Current consumption, mA - not more than 0.5.
Technical availability time, s: not more than 60.
Temperature range, °C: from -30 to +55.
Relative air humidity, %: up to 93 at +40°C.
Weight, kg: not more than 0.2.
Transportation and storage temperature, °C: from -50 to +50.
Dimensions, mm: diameter - not more than 100, height - not more than 47.

Certificate of the Russian Federation.

Countries of export: Republic of Azerbaijan, Republic of Armenia, Republic of Belarus, Republic of Kazakhstan, Republic of Moldova, Republic of Uzbekistan.

RIC BOLID JSC



TN VED Code 8531

S2000-BKI display unit complete with keyboard

S2000-BKI

It is designed to be operated work as part of ISS"Orion" in combination with the monitoring and control panel "S2000" ("S2000M"), to perform manual control of 60 sections of the system, and to ensure displaying by means of built-in indicators and audible signaling of messages about the events in these sections.

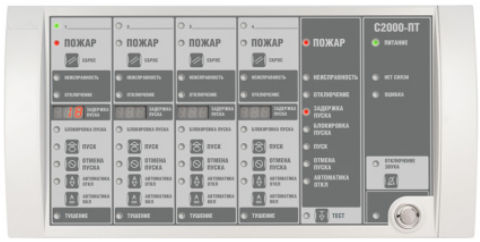
Key performance parameters

Indicating lights: 60 dual color indicators for displaying the status of sections of ISO "Orion", 7 single color indicators for displaying the presence of alarms and faults in ISO "Orion".
External reader of electronic identifiers (EI) - 1 input.
Pluggable reader interface: Dallas, Touch, Memory.
Reader LED control: one LED, control signal "+ 5V CMOS" including current limitation with direct connection of LEDs at the level of 10 mA.
Integrated buzzer - available.
Casing intrusion sensor - microswitch.
Communication port (for operation in ISO "Orion") - RS-485, Orion protocol.
Unit power source - powered from external DC source.
Supply voltage - 10.2 ÷ 28.0 V DC.
Number of power inputs - 2.
Power consumption - not more than 3 W.
In alarm mode: not more than 200 mA at a voltage of 12 V, not more than 100 mA at a voltage of 24 V.
Power consumption: in standby mode (all indicators are off) - not more than 50 mA at a voltage of 12 V, not more than 50 mA at a voltage of 24 V.
Operational readiness after power is on - no more than 2 s.
Operating temperature range - from -30°C to +50°C.
Relative humidity - up to 98% at +25°C.
Ingress protection rating - IP20.
Overall dimensions - 340 x 170 x 25.5 mm.
Unit weight - not more than 0.6 kg.
Mean service life - 10 years.
Unit programming - UProg.exe program.
Connection to PC - via RS-485 interface using an interface converter.
Mounting type - wall mounted.

Certificate of the Russian Federation.

Countries of export: Republic of Azerbaijan, Republic of Armenia, Republic of Belarus, Republic of Kazakhstan, Republic of Moldova, Republic of Uzbekistan.

RIC BOLID CJSC



TN VED Code 8531

Extinguishing control and indicator module "S2000-PT"

S2000-PT

Its is designed to be operated as part of an automatic gas, powder or aerosol fire extinguishing system.
The module can operate only with ISS "Orion" under the control of a network controller ("S2000M" panel of version 3.00 and higher).

Key performance parameters

Indicating lights:
- 36 indicators grouped in 4 columns, displaying the states of 4 fire extinguishing directions;
- 4 seven-segment indicators displaying the start delay value (0…999 s);
- 8 generalized indicators reflecting the state of the fire extinguishing system;
- 6 indicators showing the module status.

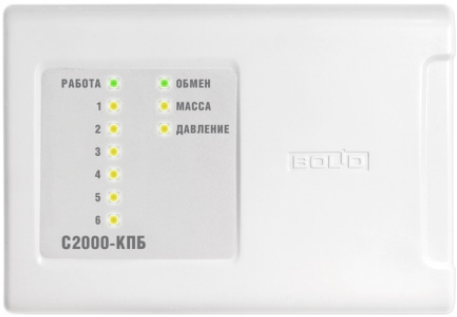
Number of sections - 4.
Supply voltage - 10.2-28.4 V DC. It is recommended to use redundant power supply sources of the "RIP-12" or "RIP-24" series by RIC BOLID JSC.
Power consumption - not more than 3 W.
Current consumption:
- In alarm mode: not more than 200 mA at a voltage of 12 V, not more than 100 mA at a voltage of 24 V;
- in standby mode (all indicators are off) - not more than 50 mA at a voltage of 12 V, not more than 50 mA at a voltage of 24 V.

Casing intrusion sensor - available.
Integrated buzzer - available.
RS-485 communication port (for operation with ISS "Orion") - available.
Technical availability time - not more than 2 s.
Module programming - using the UProg utility (ver. 4.1.0.48 and higher).
Integrated reader - 1 reader with Touch Memory interface.
Module weight - not more than 0.6 kg.
Overall dimensions - 170 x 340 x 27 mm.

Certificate of the Russian Federation.

Countries of export: Republic of Azerbaijan, Republic of Armenia, Republic of Belarus, Republic of Kazakhstan, Republic of Moldova, Republic of Uzbekistan.

RIC BOLID JSC



TN VED Code 8531

Control and actuating module "S2000-KPB"

S2000-KPB

It is designed to be operated as part of centralized security and fire alarm systems, fire extinguishing control, access control and video control systems to control actuators and monitor control circuits.

Key performance parameters

Power source - external DC source with a voltage of from 10.2 V to 28.4 V (RIP-12, RIP-24).
Number of power inputs - 2.
Consumption current (excluding the consumption of actuating devices) - not more than 100 mA.
Number of outputs - 6.
Switching voltage is from 10.2 V to 28.4 V (from the module power supply source).
Switching output current - from 5 mA to 2.5 A.
Circuit health monitoring current - not more than 1.5 mA.
Maximum total switching current of the module - not more than 6 A.
Number of inputs - 2.
Impedance of the alarm loop wires without taking into account the remote element - not more than 100 Ohm.
Leakage impedance between alarm loop wires or each wire and ground - at least 50 kOhm
Overall dimensions, max 156 x 107 x 39 mm.
Module weight - 0.3 kg max.
The module remains operational under and after exposure to electromagnetic interference of at least the third severity level in accordance with GOST R 51317.4.2, GOST R 51317.4.3.
Industrial radio interference generated by the module meets the requirements of Class B GOST R 51318.22 (CISPR22-2006) subclauses 5.1, 6.1.
The module design provides the ingress protection degree IP40 according to GOST 14254-96 when wall mounted.
Operational readiness of the module after power is on - not more than 3 s.
The design of the module ensures its fire safety in emergency operation and in case of violation of operating rules according to GOST 12.1.004-91.

Certificate of the Russian Federation.

Countries of export: Republic of Azerbaijan, Republic of Armenia, Republic of Belarus, Republic of Kazakhstan, Republic of Moldova, Republic of Uzbekistan.

RIC BOLID JSC



TN VED Code 8531

Fire alarm signaling control unit "Signal-20P Ver. 01"

Signal-20P Ver. 01

It is designed to be used as part of ISS "Orion" for monitoring various types of conventional security and fire detectors, contactors and signaling devices with normally closed or normally open contacts, and for relay controlling the external actuators. The difference between "Signal-20P" and "Signal-20P Ver. 01" is in the material and body size.

Key performance parameters

DC power supply - 10.2 V to 28.4 V.
Average consumption current - 530 mA at 12 V, 270 mA at 24 V.
Number of power inputs - 2.
Unit technical availability time for operation - not more than 3 s.
Ingress protection rating according to GOST 14254-96 - IP20.
Resistance to mechanical stress acc. to OST 25 1099-83 - location category 3.
Vibration loads:

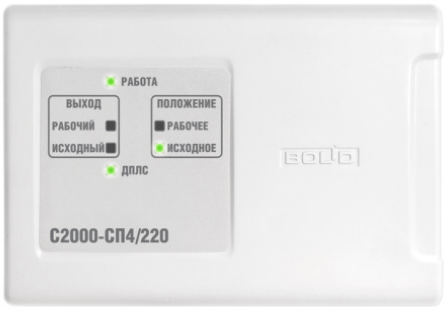
- frequency band - 1-35 Hz;
- peak acceleration - 0.5 g.

Climatic version according to OST 25 1099-83 – O3.
Operating temperature range - from -30°C to +55°C.
Relative air humidity - up to 93% at +40°C.
Module weight - 0.5 kg max.
Unit overall dimensions - 230 x 135 x 37 mm.
Unit continuous run time - 24 hrs.
Mean time between failures of the unit in standby mode of operation - 80,000;
Probability of survival - 0.98758.
Unit mean service life - at least 10 years.

Certificate of the Russian Federation.

Countries of export: Republic of Azerbaijan, Republic of Armenia, Republic of Belarus, Republic of Kazakhstan, Republic of Moldova, Republic of Uzbekistan.

RIC BOLID JSC



TN VED Code 8531

Alarm actuating unit "S2000-SP4/220"

S2000-SP4/220

It is designed to control and monitor smoke ventilation valves, fire-retardant valves of general ventilation system, deluge valves, and other actuators.
It is used as part of a composite control device in fire and security alarm systems that support a two-wire communication line, in combination with the controller "S2000-KDL" (version 2.01 and higher) or "S2000-KDL-2I" (version 1.00 and higher) and the "S2000M" monitoring and control panel as part of ISS "Orion".

Key performance parameters

Actuating part AC power supply voltage, V: 230 ± 10%, 50 Hz.
Receiving and transmitting part power supply - from the TWCL.
Consumption current, mA:
- actuating part - 20 max;
- receiving and transmitting part - 1.5 max.

Number of power inputs - 2.
Unit technical availability time for operation, s: not more than 15.
TWCL and actuating part insulation voltage, V: 500.
Single output maximum switching current, A: 3.
Circuit control current, mA: not more than 1.5.
Number of controlled limit switches - 2.
Electric shock protection class according to GOST 12.2.007.0-75 - 0.
Ingress protection rating according to GOST 14254-2015 - IP40 when wall mounted.
Resistance to mechanical stress acc. to OST 25 1099-83 - location category 3.
Vibration loads:
- frequency band, Hz - 1-35;
- peak acceleration - 0.5 g.

Climatic version according to OST 25 1099-83 – O3.
Operating temperature range, °C - from -30°C to +55°C.
Relative air humidity, % - up to 93% at +40°C.
Unit weight, kg: not more than 0.2.
Unit overall dimensions, mm: 156 x 107 x 39.
Unit continuous run time - 24 hrs.
Mean time between failures of the unit in standby mode of operation, h: at least 80,000.
Probability of survival - 0.98758.
Unit mean service life, years: 10.
The device meets the standards of industrial radio interference established for equipment of Class B according to GOST R 51318.22.
In terms of resistance to industrial radio interference, the device meets the requirements of the third severity level according to GOST R 50009.

Certificate of the Russian Federation.

Countries of export: Republic of Azerbaijan, Republic of Armenia, Republic of Belarus, Republic of Kazakhstan, Republic of Moldova, Republic of Uzbekistan.

RIC BOLID JSC



TN VED Code 8531

Addressable alarm actuating unit "S2000-SP2 Ver. 02"

S2000-SP2 Ver. 02

It is designed to be operated as part of security and fire alarm systems, warning and evacuation control systems, automatic fire-fighting systems, as well as in access control and video control systems. To be used with controllers "S2000-KDL" and "S2000-KDL-2I".

Key performance parameters

Power source:
receiving and transmitting part - via TWCL from 8 V to 12 V;
actuating part - external DC source with a voltage of from 10.2 V to 28.4 V (RIP-12, RIP-24).
Galvanic isolation of TWCL and actuating part up to 500 V.
Current consumption:

- receiving and transmitting part - not more than 1 mA.
- actuating part - not more than 60 mA (current at outputs is not considered).

Number of outputs - 2.
Single output maximum switching current - 3 A.
Total maximum switching current of the unit - 4 A.
Circuit health monitoring current, max - 1.5 mA.
Circuit health monitoring voltage - 5 V.
Switching voltage - from power source.
Technical availability time - not more than 15 s.
Operating temperature range: from -30°C to +55°C.
Relative air humidity - up to 93% at +40°C.
Overall dimensions - 102 x 107 x 39 mm.
Weight - not more than 0.2 kg.
Ingress protection rating - IP40.

Certificate of the Russian Federation.

Countries of export: Republic of Azerbaijan, Republic of Armenia, Republic of Belarus, Republic of Kazakhstan, Republic of Moldova, Republic of Uzbekistan.

RIC BOLID JSC



TN VED Code 8531

Addressable manual fire detector IPR 513-3AM

IPR 513-3AM

It is designed to generate the "Fire" message after pressing the key. To be used with controllers "S2000-KDL" and "S2000-KDL-2I".

Key performance parameters

Consumption current: 0.5 mA.
Area intrusion fixation time: not more than 300 ms.
Technical availability time: not more than 15 s.
Operating temperature range: from -30°C to +55 °C.
Relative humidity: up to 93% at +40 °C.
Ingress protection rating: IP40.
Overall dimensions: not more than 95 x 91 x 33 mm.
Weight: not more than 0.15 kg.
Mean service life - 10 years.
Detector programming - UProg.exe program.
Mounting type - wall mounted.

Certificate of the Russian Federation.

Countries of export: Republic of Azerbaijan, Republic of Armenia, Republic of Belarus, Republic of Kazakhstan, Republic of Moldova, Republic of Uzbekistan.

RIC BOLID JSC



TN VED Code 8531

Addressable analog maximum differential heat fire detector "S2000-IP-03"

S2000-IP-03

It is designed to detect fire, accompanied by release of heat, and to send notifications "Fire", "Attention", "Malfunction" and "Test". To be used with controllers "S2000-KDL" and "S2000-KDL-2I".

Key performance parameters

Factory setting of the maximum response temperature, °C: +54.
Current consumption, mA: not more than 0.5.
Communication line voltage, V: from 8 to 11.
Technical availability time, s: not more than 60.
Temperature measurement accuracy, °C: ± 1.5.
Temperature range, °C: from -30 to +55.
Relative air humidity, %: up to 93 at +40°C.
Ingress protection rating - IP41.
Weight, kg: not more than 0.2.
Transportation and storage temperature, °C: from -50 to +50.
Dimensions, mm: diameter - not more than 100, height - not more than 47.
The detector does not contain precious metals (cl. 1.2 GOST 2.608-78).

Certificate of the Russian Federation.

Countries of export: Republic of Azerbaijan, Republic of Armenia, Republic of Belarus, Republic of Kazakhstan, Republic of Moldova, Republic of Uzbekistan.

RIC BOLID JSC



TN VED Code 8531

Galvanically isolated two-wire communication controller "S2000-KDL-2I"

S2000-KDL-2I

It is designed to protect facilities against intrusion and fires by monitoring the status of addressable inputs (inputs), which can be represented by addressable security, fire and security and fire detectors and/or controlled circuits (CC) of addressable expanders (AE); to control, via the outputs of the addressable alarm actuating (AA) and monitoring units, through the addressable inputs (addressable detectors and/or CC of addressable expanders), fire protection systems (alarm systems, smoke removal systems, fire retardant systems and other actuators); to send alarms to the "S2000M" monitoring and control panel (MCP) or to a computer via the RS-485 interface when detectors are activated or when the CC of AE is violated, as well as to ensure local control of its own addressable outputs and centralized control of inputs and outputs that are part of the system sections. The capability of operation via the RS-485 interface allows the controller to be used in the Orion integrated security system.

Key performance parameters

Number of connected AUs - 127.
Two-wire line length: 600 meters with a cross-section of 0.75 mm², 700 m with a cross-section of 0.9 mm².
Supply voltage - from 10.2 V to 28.4 V DC.
Consumption current (excluding consumption of AUs), max:

- at supply voltage of 12 V - 80 mA;
- at supply voltage of 24 V - 40 mA;

Consumption current in standby mode (127 AUs are connected with a consumption current of 0.5 mA each), max: at a supply voltage of 12 V - 160 mA, at a supply voltage of 24 V - 80 mA.
Galvanic isolation maximum voltage - 500 V.
Galvanic isolation minimum impedance - 20 MOhm.
External reader of electronic identifiers (EI) - 1 input.
Pluggable reader interface - Dallas Touch Memory (1-Wire, µ-LAN), Wiegand and ABA-Track II.
Reader LED control - control of two reader LEDs (red and green) in accordance with the "+ 5V CMOS" logic levels, including current limitation with direct connection of LEDs at the level of 10 mA.
Reader buzzer control - available.
"+ 5V CMOS" control signal.
The memory volume of Touch Memory (iButton) keys, cards or codes - 512.
Non-volatile event buffer - 512.
Light indication on the front panel - 3 LED indicators (operation, RS-485 and TWCL).
Integrated buzzer - not less than 50 dBA at a distance of 1 m.
Casing intrusion sensor - microswitch.
Communication port (for operation with ISS "Orion") - RS-485, Orion protocol.

Device power supply - from an external DC power source (the additional input for connecting standby power source is available).
Operational readiness after power is on - not more than 15 s.
Operating temperature range: from -30°C to +55°C.
Relative humidity: up to 98% at +25°C.
Ingress protection rating - IP40.
Overall dimensions: 156 x 107 x 39 mm.
Device weight - not more than 0.3 kg.
Mean service life - 10 years.
Controller programming - UProg.exe program.
Connection to PC - via RS-485 interface using an interface converter.
Mounting type - wall or DIN rail mounted.

Certificate of the Russian Federation.

Countries of export: Republic of Azerbaijan, Republic of Armenia, Republic of Belarus, Republic of Kazakhstan, Republic of Moldova, Republic of Uzbekistan.

RIC BOLID JSC



TN VED Code 8531

Fire alarm signaling and extinguishing control panel "S2000-ASPT"

S2000-ASPT

Its is designed to be operated as part of an automatic gas, powder, aerosol or fine water spray fire extinguishing system. The panel can operate only with ISS "Orion" under the control of a network controller ("S2000M") in combination with the "S2000-PT" extinguishing control and indicator module.

Key performance parameters

Number of conventional radial fire alarm loops (AL): 3.
Number of conventional radial monitored circuits: 4.
Maximum impedance of AL wires without taking into account terminal impedance: 100 Ohm.
Allowable leakage impedance between AL wires or each wire and ground - 50 kOhm
Devices connected to AL: conventional fire and process detectors with relay output - no restrictions; conventional AL-powered fire detectors - the total consumption current of detectors via one AL of type 1 -

up to 3 mA, the total current consumption of detectors via one AL of type 2 - up to 1.2 mA.
The voltage at each AL input - 19÷24 V, with the installed EOL-resistor of 4.7 kΩ ± 5% and the current consumption of detectors of 0÷3 mA, 27 ± 0.5 V when the AL is broken.
Current limitation in a short-circuited AL - 26.5 mA (not more than 20 mA through a triggered detector, when the detector voltage exceeds 6.8 V).
Light indication on the front panel - 27 LED indicators.
Integrated buzzer - not less than 50 dBA at a distance of 1 m.
Casing intrusion sensor - microswitch.
Communication port (for operation with ISS "Orion") - RS-485, Orion protocol.
Device power supply: main - mains voltage of 187 V to 242 V (50 Hz ± 5%).
Device power supply: standby - 2 rechargeable batteries, 12 V, 4.5 Ah.
Power supply output for peripheral devices at a stabilized voltage - (24 ± 2) V/200 mA.
Controlled outputs - 5 pcs.
Annunciator triggering and control circuits - (24 ± 2) V/1 A (up to 2 A for 2 s), control current - 1.5 mA.
Uncontrolled outputs - 3 pcs.
"Fire", "Malfunction" relays - 0.1 A/100 V.
"NO-NC-COM" relay (ventilation, smoke extraction control, etc.) - 2 A/28V DC.
External reader of electronic identifiers (EI) - 1 input.
Operating temperature range - from 0°C to +50°C.
Relative humidity: up to 98% at +25°C.
Ingress protection rating - IP30.
Overall dimensions - 305 x 255 x 95 mm.
Device weight - not more than 6 kg (without battery).
Mean service life - 10 years.
Device programming - UProg.exe program.

Certificate of the Russian Federation.

Countries of export: Republic of Azerbaijan, Republic of Armenia, Republic of Belarus, Republic of Kazakhstan, Republic of Moldova, Republic of Uzbekistan.

RIC BOLID JSC



TN VED Code 8531

Addressable fire and security sound annunciator "S2000-OPZ"

S2000-OPZ

It is designed to emit a sound signal when detecting an intrusion to a secured facility and to send fire and emergency sound signals inside the premises at various facilities.
To be used with controllers "S2000-KDL" and "S2000-KDL-2I".

Key performance parameters

TWCL supply voltage, V: from 8 to 11.
TWCL current consumption, mA: not more than 0.6.
Technical availability time, s: not more than 15.
External power source supply voltage, V - from 10 to 28.5.
External power source current consumption, mA - from 60 to 20.
Current consumption when powered from a 12 V source, mA - 45.
Current consumption when powered from a 24 V source, mA - 23.
Galvanic isolation maximum voltage, V - 500 max.
Sound pressure level at a distance of 1 m in the frontal direction, dB - at least 97.
Ingress protection rating - IP41.
Operating temperature range, °C - from -20 to +55.
Relative air humidity, %: up to 93 at +40°C.
Transportation and storage temperature, °C: from -50 to +55.
Overall dimensions, mm: not more than 160 x 115 x 48.
Weight, kg - not more than 0.35.

Certificate of the Russian Federation.

Countries of export: Republic of Azerbaijan, Republic of Armenia, Republic of Belarus, Republic of Kazakhstan, Republic of Moldova, Republic of Uzbekistan.

RIC BOLID JSC



TN VED Code 8504

Redundant power source RIP-12 Ver. 51 (RIP-12-3/17P1-R-RS)

RIP-12 Ver. 51 (RIP-12-3/17P1-R-RS)

It is intended for group power supply of automatic fire-fighting systems, detectors and security and fire alarm signaling controllers, access control systems and other devices that require a standby power supply with a voltage of 12 V DC.

Key performance parameters

Number of power inputs - 2.
Main power source: AC 50/60 Hz, V - 150-253.
Standby power source - "Delta" DTM1217 battery or equivalent; 12 V, 17 Ah.
Output voltage: when powered from the mains/battery, V: (13.6±0.6)/(13.6-10).
Maximum mains power consumption at a voltage of 220 V and a rated load current, VA - 120.
Intrinsic battery consumption current, max, mA - 40.
SPS technical availability time for operation, max, s - 6.
Rated/maximum load current, A - 3/4.
Discharged battery full charging time, max, h - 48.
Interface (Orion protocol) RS-485.
Relay output "Fault" (optical relay), pcs - 1 (80 V, 50 mA) max.
Electric shock protection class according to GOST 12.2.007.0-75 - 1.
Ingress protection rating according to GOST 14254-2015 - IP30.
Resistance to mechanical stress acc. to OST 25 1099-83 - location category 3.
Vibration loads: frequency range, Hz, - 1-35, peak acceleration, g - 0.5.
Climatic version according to OST 25 1099-83 – O3.
Operating temperature range, °C: from -10°C to +40°C.
Relative air humidity, % - 93.
SPS weight without/with battery, kg - 1.5/7.
SPS overall dimensions, mm - 230 x 320 x 110.
SPS mean time between failures, h - 40,000.
Probability of survival for 1000 hrs - 0.975.
SPS mean service life, years - 10.
Full load current - 4 A (for a short time, up to 10 minutes, with an interval of at least 1 hour, in the presence of line voltage and a connected battery). When the output current exceeds 3.5 A, the SPS disconnects the charger. When the peak current exceeds 4 A, the SPS disconnects voltage.
The SPS meets the standards of industrial radio interference established for equipment of Class B according to GOST R 51318.22.
In terms of resistance to industrial radio interference, the SPS meets the requirements of the third severity level according to GOST R 50009.

Certificate of the Russian Federation.

Countries of export: Republic of Azerbaijan, Republic of Armenia, Republic of Belarus, Republic of Kazakhstan, Republic of Moldova, Republic of Uzbekistan.

RIC BOLID JSC



TN VED Code 8531

Optical-electronic threshold smoke fire detector IP 212-31 "DIP-31"

IP 212-31 (DIP-31)

It is used in fire alarm systems and is designed to detect fires accompanied by the smoke generation in enclosed rooms of various buildings and structures by registering optical radiation reflected from smoke particles in the smoke chamber and transmitting the "Fire" event.
Two LED indicators of the detector inform about its status: "Normal", "Attention", "Fire", "Malfunction", "Dusty".
It is used with alarm signaling control devices (units): "Signal-10", "S2000-4", "Signal-20P", "S2000-ASPT", "Signal-20M"

Key performance parameters

Detector sensitivity, dB/m: from 0.05 to 0.2.
Alarm loop voltage, V - from 10 to 30.
Consumption current, in the "Normal" state, μA - not more than 140, in the "Fire" state, mA - not more than 10.
Internal impedance of the detector in the "Fire" state at current of: 8 mA - not more than 2.6 kOhm; 2 mA - not more than 4.5 kOhm.
Technical availability time, s - not more than 40.
Temperature range, °C - from -10 to +55.
Relative air humidity, % - up to 93 at +40°C.
Ingress protection rating - IP40.
Overall dimensions, mm: diameter - not more than 100, height - not more than 47.
Weight, kg - not more than 0.05.
AL wire cross-section, m^2 - from 0.125 to 2.5.
Background illuminance from artificial and/or natural lighting, lux - no more than 12,000.
Resistance to radio frequency magnetic field according to GOST R 51317.4.3–99 - test severity level 3.
Electrostatic discharge immunity according to GOST R 51317.4.3–99 - test severity level 3.
Electric shock protection class according to GOST 12.2.007.0-75 - III.
Air velocity at the detector installation location, m/s - not more than 15.
Mean time between failures, h - at least 60,000.
Mean service life - at least 10 years.

Certificate of the Russian Federation.

Countries of export: Republic of Azerbaijan, Republic of Armenia, Republic of Belarus, Republic of Kazakhstan, Republic of Moldova, Republic of Uzbekistan.

RIC BOLID JSC



TN VED Code 8531

Addressable remote start device "UDP 513-3AM"

UDP 513-3AM

It is used with the "S2000-KDL" or "S2000-KDL-2I" two-wire communication controllers within the Orion integrated security system to manually start fire extinguishing systems. Power supply and information exchange of RSDs are carried out via a two-wire communication line (TWCL) DLC. The RSD supports the two-wire communication line protocol DPLS_v2.xx, allows obtaining a TWCL value in its connection place. In terms of design, it complies with Class B according to GOST R 53325. The RSD software version - v.1.10. The RSD is equipped with a distribution and isolating unit. The RSD is designed for continuous round-the-clock operation, and refers to repairable, periodically maintained products.

Key performance parameters

TWCL supply voltage, V - from 8 to 11.
Current consumption, mA - not more than 0.6.
Current consumption with activated BRIZ, mA - not more than 3.
Technical availability time, s - not more than 15.
Integrated BRIZ response time, ms - not more than 200.
Ingress protection rating - IP40.
Class acc. to GOST R 53325 - B.
Operating temperature range, °C - from -30 to +55.
Relative air humidity, % - up to 93 at +40°C.
Transportation and storage temperature, °C - from -50 to +55.
Overall dimensions, mm - 94 x 94 x 54 max.
Weight, kg - not more than 0.2.

Certificate of the Russian Federation.

Countries of export: Republic of Azerbaijan, Republic of Armenia, Republic of Belarus, Republic of Kazakhstan, Republic of Moldova, Republic of Uzbekistan.

RIC BOLID JSC



TN VED Code 8504

Cabinet with a standby power supply source for installation of automatic fire-fighting systems "ShPS-12"

ShPS-12

It is intended for group power supply of automatic fire-fighting systems, detectors and security and fire alarm signaling controllers, access control systems and other equipment located in it that require a redundant power supply with a voltage of 12 V DC. Certified in accordance with the requirements of the Technical Regulations (GOST R 53325-2012) and the Technical Regulations of the Customs Union.

Key performance parameters

Power supply of the cabinet from a single-phase AC network with a rated voltage of 220 V, and a frequency of 50 Hz.
Rated output voltage:
- when powered from mains - (13.6 ± 0.6) V;
- when powered from battery - (9.5 ± -13.5) V;

Rated total load current - 3 A.
Number of 12 V outputs to connect devices - 7.
Total number of "RS-485" outputs to connect devices - 8.
Maximum mains power consumption at a voltage of 220 V and a rated load current (excluding consumption by additional consumers), max - 120 VA.
Maximum current for one "12V" output of the switching unit - 0.65 A.
Overall dimensions, max - 650 x 500 x 220 mm.
Cabinet weight (with batteries), max - 30 kg.
Ingress protection rating - IP40.
Capability of installing the MK-1 mounting kit - available.

Certificate of the Russian Federation.

Countries of export: Republic of Azerbaijan, Republic of Armenia, Republic of Belarus, Republic of Kazakhstan, Republic of Moldova, Republic of Uzbekistan.

RIC BOLID JSC



TN VED Code 8531

Optoelectronic linear smoke fire detector "S2000-IPDL"

S2000-IPDL

It is designed to detect fires, accompanied by the appearance of smoke in enclosed rooms of various buildings and structures, and to generate notifications "Fire", "Malfunction", "Test" to certain addresses.
The detectors are intended for use in rooms with a large area, long length or high ceiling height. To be used with controllers "S2000-KDL" or "S2000-KDL-2I".

Key performance parameters

Detector operating range, m:
- S2000-IPDL Ver. 60 - 5-60;
- S2000-IPDL Ver. 80 - 20-80;
- S2000-IPDL Ver. 100 - 25-100;
- S2000-IPDL Ver. 120 - 30-120.

The detector response level corresponds to the adaptive value (depending on the distance) or one of eight fixed values available for setting, dB - 0.5; 0.7; 1.0; 1.3; 1.6; 1.9; 2.2; 3.0.
The maximum space width protected by one detector (according to SP5.13130), m - 9.
Detector supply voltage, V - from 7 to 11.
Current consumption, mA - not more than 1.7.
Detector response time, s: standard - 6, maximum - 8.
Fault fixation response time, s:
- "Fault - memory" - not more than 5;
- "Fault - tolerance" - not more than 5;
- "Fault - beam" - not more than 10;
- "Fault - excess" - not more than 60;
- "Fault - decrease" - not more than 60;

The limiting value of the reduction in optical beam power with sensitivity compensation (50%), dB - 3.
Transceiver overall dimensions, mm - 100 x 160 x 127 max.
Transceiver weight, kg - not more than 0.41.
Reflector - deflector overall dimensions, mm:
- type SS ("super small") - not more than 115 x 65 x 8;
- type S ("small") - not more than 100 x 100 x 9;
- type B ("big") - not more than 245 x 210 x 16.

Reflector - deflector weight, kg:
- type SS ("super small") - not more than 0.046;
- type S ("small") - not more than 0.06;
- type BB ("big") - not more than 0.41.

Temperature range, °C - from -30 to +55.
Relative air humidity, % - up to 98 at +40°C.
Resistant to sinusoidal vibration with the acceleration rate of 0.5 g, Hz - from 10 to 155.
Maximum allowable illuminance at the installation site, lx - 12,000.
Ingress protection rating according to GOST 14254-96 - IP40.
Severity level in terms of immunity to electromagnetic interference according to:
- GOST 30804.4.2 and GOST 30804.4.4 - fourth;
- GOST 30804.4.3 - third.

Category for radiated industrial radio interference according to GOST 30805.22 - Class B.

Detector continuous run time - 24 hrs.
Mean time between failures of the detector in standby mode of operation, h - at least 60,000.
Probability of survival - 0.98758.
Detector mean service life, years - 10.

Certificate of the Russian Federation.

Countries of export: Republic of Azerbaijan, Republic of Armenia, Republic of Belarus, Republic of Kazakhstan, Republic of Moldova, Republic of Uzbekistan.

RIC BOLID JSC



TN VED Code 8537

Orion central control and display console

Orion central control and display console

It is designed to be operated as part of an addressable security and fire alarm system and fire-fighting equipment control system. In combination with the Orion ISS devices, it can perform the functions of a block-modular security and fire alarm signaling controller, light, sound and voice annunciation, gas, powder, aerosol and water fire extinguishing, smoke protection, building utility systems control device. The remote control functions can be expanded by connecting additional units. Information interaction of the units is ensured via the wired communication lines RS-232/RS-485 and via Ethernet channel.

Key performance parameters

Power source type and voltage, V:
- main power source - AC network 150-250 V, 50 Hz;
- standby power source - two batteries Delta BEL1240L (12 V, 40 Ah) or other producer with similar parameters and a service life of at least 10 years.

Maximum mains power consumption at a voltage of 220 V and a rated load current - 120 VA.
Maximum mains current consumption at a voltage of 150 V and a rated load current - 0.6 A max.
Battery current consumption - not more than 2.5 A.
Control unit - Intel® Atom™ E3845 4-Core 1.91GHz processor.
RAM - 2 GB DDR3.
Disk drive - 256 GB SATA.
Display - resistive touch monitor 15", 1024 x 768.
Number of RS-232/485 universal ports - 4.
Number of monitored elements - not more than 35,000.

Number of events stored in the non-volatile log - 1,000,000.
Technical availability time for operation - not more than 60 s.
Electric shock protection class according to GOST 12.2.007.0 - Class I.
Resistance to mechanical stress according to GOST R 52931-2008 - vibration in the frequency range of from 1 Hz to 35 Hz with acceleration rate of up to 4.9 m/s 2 (0.5 g) - design category LX.
Resistance to climatic effects according to GOST 15150-69, and for operation in the temperature range of from 263 K to 313 K (-10°C to +40°C) and a relative humidity of up to 93% at 313 K (+40°C) without moisture condensation - NF version.
Weight with batteries, kg - not more than 50 kg.
Overall dimensions, mm - 650 x 500 x 220.
Operating temperature range, °C - from -10 to +40.
Device continuous run time - 24 hrs.
Mean time between failures, h - at least 80,000.
Probability of survival - 0.98758.
Mean service life - at least 10 years.

Certificate of the Russian Federation.

Countries of export: Azerbaijan, Armenia, Belarus, Kazakhstan, Moldova, Uzbekistan

Exported products volume: start of deliveries.

RIC BOLID JSC



TN VED Code 8537

Fire and security monitoring and control panel "S2000M”

C2000M

It is designed to be operated as part of an addressable security and fire alarm system and fire-fighting equipment control system. In combination with the Orion ISS devices, it can perform the functions of a block-modular security and fire alarm signaling controller, light, sound and voice annunciation, gas, powder, aerosol and water fire extinguishing, smoke protection, utility systems control device. Information interaction of the units is ensured via the wired communication line RS-485.

Key performance parameters

Number of devices connected to the panel - 127 max.
Maximum number of input circuits of devices controlled by the panel - 2048.
Maximum number of outputs of devices controlled by the panel - 256.
Number of sections (areas) - up to 511, section groups - up to 128.
Number of passwords and user keys - up to 2047.
Event log size - 32,000.
Device communication line length - not more than 3000 m.
RS-232 communication line length - not more than 20 m.
Indicator - liquid-crystal display with yellow-green backlight, 2 lines of 16 characters.
Voltage supply range (from a redundant DC power supply) - from 10,2 V to 28.4 V.
Average current consumption in standby mode: 60 mA at supply voltage of 12 V or 35 mA at supply voltage of 24 V.
Maximum consumption current in alarm mode: not more than 200 mA at a voltage of 12 V, not more than 100 mA at a voltage of 24 V.
Ingress protection rating - IP30 (when wall mounted).
Weight - not more than 0.3 kg.
Overall dimensions - 140 x 114 x 25 mm.
Precious materials content: does not need to be taken into account during storage, decommissioning and disposal.
Non-ferrous metals content: does not need to be taken into account during product decommissioning and further disposal.
Mean service life - at least 10 years, taking into account periodic maintenance. During the service life, it may be necessary to replace the panel keypad.

Certificate of the Russian Federation.

Countries of export: Republic of Azerbaijan, Republic of Armenia, Republic of Belarus, Republic of Kazakhstan, Republic of Moldova, Republic of Uzbekistan.

RIC BOLID JSC



TN VED Code 8504

Redundant power source RIP-12 Ver. 51 (RIP-12-3/17P1-R-RS)

RIP-12 Ver. 51 (RIP-12-3/17P1-R-RS)

It is intended for group power supply of automatic fire-fighting systems, detectors and security and fire alarm signaling controllers, access control systems and other devices that require a standby power supply with a voltage of 24 V DC.

Key performance parameters

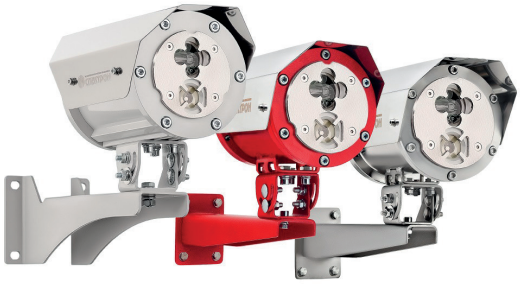
Supply voltage - 150-253 V.
Output voltage when powered from the mains - 27.2 ± 0.6 V.
When powered from battery - 20-27.2 V.
Rated output current - 2 A.
Maximum output current (10 min) - 2.5 A.
Maximum mains power - 150 VA.
Intrinsic battery consumption current - not more than 40 mA.
Battery capacity - 2 x 7 Ah.
Light indication - 5 LED indicators for displaying operating modes and faults.
Integrated buzzer - available.
Casing intrusion sensor - available.
Interface - RS-485, Orion protocol.
Event buffer - 95.
Relay output ("Fault") - 1 pc, optical relay.
Relay maximum voltage and switching current - 80 V, 50 mA.
Technical availability time - not more than 6 s.
Operating temperature range - from -10°C to +40°C.
Relative humidity - up to 90% at +25°C.
Casing type, ingress protection degree (IP) - P1 (IP30).
Overall dimensions - 230 x 320 x 110 mm.
Weight - not more than 1.5 kg (with batteries - not more than 7.5 kg).
Mean service life - 10 years.
RPS programming - UProg.exe program.
Connection to PC during programming - via RS-485 interface using an interface converter.
RPS connection type - screwed terminal blocks,
Mains connection: wire 0.75-2.5 mm^2.
Load connection: wire 0.5–2.5 mm^2.
RS-485, K1 relay connection: wire 0.2-2.5 $mm^{2.}$
Mounting type - wall mounted.

Certificate of the Russian Federation.

Countries of export: Republic of Azerbaijan, Republic of Armenia, Republic of Belarus, Republic of Kazakhstan, Republic of Moldova, Republic of Uzbekistan.

RIC BOLID JSC





Explosion-proof flame fire detectors complete with video module Explosion protection rating - "Flameproof enclosure" (Exd)

Spectron-801-Exd (3-IR detector)
Spectron-601-Exd (IR/UV detector)
(Casing - stainless steel)

They are designed to detect naked flame with the transmission of an alarm signal to the alarm signaling controller or PLC loop.

Key performance parameters

1Ex db IIC T6 Gb / Ex tb IIIC T85°C Db/ PB Ex db I Mb. Video camera, self-testing, IP66/IP68, detection range - 25 m, viewing angle - 90 °, relays, 4-20 mA, RS-485, HART, Modbus/RTU are resistant to welding.
Temperature - from -70°C to +85°C.

Certificate of the Russian Federation.
EAEU Certificate.

Countries of export: Republic of Kazakhstan, Republic of Belarus, Republic of Uzbekistan, Mongolia, Republic of Azerbaijan.

TPE Spectron LLC

TN VED Code 8531 10 950 0



3-IR explosion-proof flame fire detectors Explosion protection rating - "Flameproof enclosure" (Exd)

Spectron-801-Exd-A, Spectron-801-Exd-M, Spectron-801-Exd-N, Spectron-801-Exd-A-HART, Spectron-801-Exd-M-HART, Spectron-801-Exd-N-HART
(Casing: A - aluminum, M - galvanized steel, N - stainless steel)

They are designed to detect naked flame with the transmission of an alarm signal to the alarm signaling controller or PLC loop.

Key performance parameters

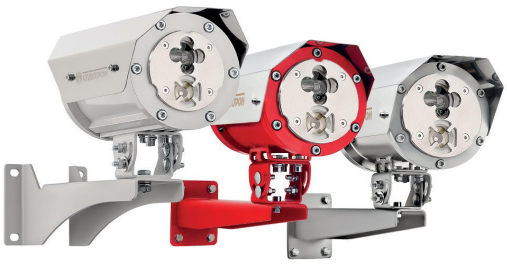
1Ex db IIC T6 Gb / Ex tb IIIC T85°C Db/ PB Ex db I Mb, self-testing, IP66/IP68, IR/UV, detection range - 25 m, viewing angle - 90 °, relays, 4-20 mA, RS-485, HART, Modbus/RTU are resistant to welding.
Temperature - from -70°C to +85°C.

Certificate of the Russian Federation.
EAEU Certificate.

Countries of export: Republic of Kazakhstan, Republic of Belarus, Republic of Uzbekistan, Mongolia, Republic of Azerbaijan.

TPE Spectron LLC

TN VED Code 8531 10 950 0



TN VED Code 8531 10 300 0

IR/UV explosion-proof flame fire detectors Explosion protection rating - "Flameproof enclosure" (Exd)

Spectron-601-Exd-A, Spectron-601-Exd-M, Spectron-601-Exd-N, Spectron-601-Exd-A-HART, Spectron-601-Exd-M-HART, Spectron-601-Exd-N-HART
(Casing: A - aluminum, M - galvanized steel, N - stainless steel)

They are designed to detect naked flame with the transmission of an alarm signal to the alarm signaling controller or PLC loop.

Key performance parameters

1ExdIICT6 / PBExdI, IP68, IR/UV, distance range - 25 m, viewing angle - 90 °, relay, 4-20 mA, RS-485, HART,Modbus/RTU, resistant to welding.
Temperature - from -70°C to +85°C.

Certificate of the Russian Federation.
Certificate of the Republic of Belarus.
EAEU Certificate.

Countries of export: Republic of Kazakhstan, Republic of Belarus, Republic of Uzbekistan, Mongolia, Republic of Azerbaijan.

TPE Spectron LLC



TN VED Code 8531 10 300 0

IR/UV explosion-proof flame fire detectors. Explosion protection rating - sealing with compound (Exm)

Spectron-601-Exm-S, Spectron-601-Exm-S-M, Spectron-601-Exm-S-N
(Casing: ABS - plastic, M - galvanized steel, N - stainless steel)

They are designed to detect naked flame with the transmission of an alarm signal to the alarm signaling controller loop.

Key performance parameters

0Ex ia IIC T6 Gb / Ex ia IIIC T85°C Db, self-testing, IP68, IR/UV, distance range - 25 m, viewing angle - 100°, welding resistant.
Temperature - from -40°C to +70 °C.

Certificate of the Russian Federation.
Certificate of the Republic of Belarus.
EAEU Certificate.

Countries of export: Republic of Kazakhstan, Republic of Belarus, Republic of Uzbekistan, Mongolia, Republic of Azerbaijan.

TPE Spectron LLC



TN VED Code 8531 10 300 0

IR/UV explosion-proof flame fire detectors Explosion protection rating - "Intrinsically safe circuit" (Exi)

Spectron-601-Exi-S, Spectron-601-Exi-S-M, Spectron-601-Exm-S-N
(Casing: ABS - plastic, M - galvanized steel, N - stainless steel)

They are designed to detect naked flame with the transmission of an alarm signal to the alarm signaling controller loop.

Key performance parameters

0Ex ia IIC T6 Gb / Ex ia IIIC T85°C Db, self-testing, IP68, IR/UV, distance range - 25 m, viewing angle - 100°, welding resistant.
Temperature - from -40°C to +70 °C.

Certificate of the Russian Federation.
Certificate of the Republic of Belarus.
EAEU Certificate.

Countries of export: Republic of Kazakhstan, Republic of Belarus, Republic of Uzbekistan, Mongolia, Republic of Azerbaijan.

TPE Spectron LLC



TN VED Code 8531 10 300 0

IR/UV industrial flame fire detectors

Spectron-601-S, Spectron-601-S-M, Spectron-601-S-N
(Casing: ABS - plastic, M - galvanized steel, N - stainless steel)

They are designed to detect naked flame with the transmission of an alarm signal to the alarm signaling controller loop.

Key performance parameters

Self-testing with malfunction signal transmission to PLC, detection range - 25 m, viewing angle - 100 °, welding resistant.
Temperature - from -40°C to +70°C.

Certificate of the Russian Federation.
Certificate of the Republic of Belarus.

Countries of export: Republic of Kazakhstan, Republic of Belarus, Republic of Uzbekistan, Mongolia, Republic of Azerbaijan.

TPE Spectron LLC



TN VED Code 8531 10 950 0

Manual explosion-proof fire detector series 535 Explosion protection rating - "Flameproof enclosure" (Exd)

Spectron-535-Exd-A-IPR-A, Spectron-535-Exd-A-IPR-V, Spectron-535-Exd-N-IPR-A, Spectron-535-Exd-N-IPR-V
(Casing: A - aluminum, N - stainless steel)

It is designed to manually transmit an alarm signal to the alarm signaling controller loop.

Key performance parameters

1Ex db IIC T6 Gb / Ex tb IIIC T85°C Db/ PB Ex db I Mb, self-testing, IP66/IP68.
Temperature - from -60°C to +85°C.
Fire classes A and B according to GOST R 53325-2012.

Certificate of the Russian Federation.
EAEU Certificate.

Countries of export: Republic of Kazakhstan, Republic of Belarus, Republic of Uzbekistan, Mongolia, Republic of Azerbaijan.

TPE Spectron LLC



TN VED Code 8531 10 950 0

Manual explosion-proof fire detector series 512 Explosion protection rating - "Flameproof enclosure" (Exd)

Spectron-512-Exd-M-IPR-A, Spectron-512-Exd-M-IPR-V, Spectron-512-Exd-N-IPR-A, Spectron-512-Exd-N-IPR-V
(Casing: M - aluminum, N - stainless steel)

It is designed to manually transmit an alarm signal to the fire alarm control panel loop.

Key performance parameters

1Ex db IIC T6 Gb / Ex tb IIIC T85°C Db/ PB Ex db I Mb, self-testing, IP66/IP68, magnetless.
Temperature - from -60°C to +85°C.
Fire classes A and B according to GOST R 53325-2012.

Certificate of the Russian Federation.
EAEU Certificate.

Countries of export: Republic of Kazakhstan, Republic of Belarus, Republic of Uzbekistan, Mongolia, Republic of Azerbaijan.

TPE Spectron LLC



TN VED Code 8536 90 850 0

Explosion-proof remote start device series 535. Explosion protection rating - "Flameproof enclosure" (Exd)

Spectron-535-Exd-A-UDP-01, Spectron-535-Exd-A-UDP-02, Spectron-535-Exd-A-UDP-03, Spectron-535-Exd-N-UDP-01, Spectron-535-Exd-N-UDP-02, Spectron-535-Exd-N-UDP-03.
(Casing: A - aluminum, N - stainless steel)

It is designed for manual start of fire extinguishing (01), smoke removal (02), alert and evacuation systems (03).

Key performance parameters

1Ex db IIC T6 Gb / Ex tb IIIC T85°C Db/ PB Ex db I Mb, self-testing, IP66/IP68.
Temperature - from -60°C to +85°C.

Certificate of the Russian Federation.
EAEU Certificate.

Countries of export: Republic of Kazakhstan, Republic of Belarus, Republic of Uzbekistan, Mongolia, Republic of Azerbaijan.

TPE Spectron LLC



TN VED Code 8536 90 850 0

Explosion-proof remote start device series 512. Explosion protection rating - "Flameproof enclosure" (Exd)

Spectron-512-Exd-M-UDP-01, Spectron-512-Exd-M-UDP-02, Spectron-512-Exd-M-UDP-03, Spectron-512-Exd-N-UDP-01, Spectron-512-Exd-N-UDP-02, Spectron-512-Exd-N-UDP-03
(Casing: M - aluminum, N - stainless steel)

It is designed for manual start of fire extinguishing (01), smoke removal (02), alert and evacuation systems (03).

Key performance parameters

1Ex db IIC T6 Gb / Ex tb IIIC T85°C Db/ PB Ex db I Mb, self-testing, IP66/IP68, magnetless.
Temperature - from -60°C to +85°C.

Certificate of the Russian Federation.
EAEU Certificate.

Countries of export: Republic of Kazakhstan, Republic of Belarus, Republic of Uzbekistan, Mongolia, Republic of Azerbaijan.

TPE Spectron LLC



TN VED Code 8537 90 850 0

Point-type explosion-proof smoke fire detector Explosion protection rating - "Flameproof enclosure" (Exd)

Spectron-DIP-31-Exd-A, Spectron-DIP-31-Exd-N
(Casing: A - aluminum, N - stainless steel)

It is designed to detect smoke and combustion products with the transmission of an alarm signal to the fire alarm control panel loop.

Key performance parameters

1Ex db IIC T6 Gb PB Ex db I Mb, IP68, smoke chamber IP41.
Sensitivity - 0.05-0.2 dB/m.
Temperature - from -60°C to +85°C.

Certificate of the Russian Federation.
EAEU Certificate.

Countries of export: Republic of Kazakhstan, Republic of Belarus, Republic of Uzbekistan, Mongolia, Republic of Azerbaijan.

TPE Spectron LLC



TN VED Code 8531 10 950 0

Point-type explosion-proof heat fire detector Explosion protection rating - "Flameproof enclosure" (Exd)

Spectron-101-P-Exd-A, Spectron-101-T-P-Exd-A, Spectron-101-T-P-Exd-H, Spectron-101-P-Exm-A, Spectron-101-P-Exi-A

It is designed to respond to exceeded set temperature and/or temperature rise rate.

Key performance parameters

1Exd[ia]IICT4/T5/T6, IP67, self-testing, 14 temperature classes.
Element sensitivity temperature - from -75°C to +130°C.
Temperature - from -75°C to +85°C.

Certificate of the Russian Federation.
EAEU Certificate.

Countries of export: Republic of Kazakhstan, Republic of Belarus, Republic of Uzbekistan, Mongolia, Republic of Azerbaijan.

TPE Spectron LLC



TN VED Code 8531 10 950 0

Explosion-proof light, light and acoustic fire annunciators (panels). Explosion protection rating - "Flameproof enclosure" (Exd)

TSV-Exd-A-Prometey, TSZV-Exd-A-Prometey, TSV-Exd-N-Prometey, TSZV-Exd-N-Prometey (Casing: A - aluminum, N - stainless steel)

They are designed for light and acoustic notification of people about fire and escape routes.

Key performance parameters

1Ex db IIB T6 Gb X/PB Ex db I Mb X /Ex tb IIIB T85°C Db X, IP66/IP68, bright screen, sound > 100 dB.
Temperature - from -60°C to +85°C.

Certificate of the Russian Federation.
EAEU Certificate.

Countries of export: Republic of Kazakhstan, Republic of Belarus, Republic of Uzbekistan, Mongolia, Republic of Azerbaijan.

TPE Spectron LLC



TN VED Code 8532 10 950 0

Explosion-proof light, light and acoustic fire annunciators (panels). Explosion protection rating - sealing with compound (Exm)

TSV-Exm-M-Prometey, TSZV-Exm-M-Prometey, TSV-Exm-N-Prometey, TSZV-Exm-N-Prometey (Casing: M - galvanized steel, N - stainless steel)

They are designed for light and acoustic notification of people about fire and escape routes.

Key performance parameters

1Ex e mb IIC T6 Gb X/РП Ex e mb I Mc X, IP66/IP68, sound > 100 dB.
Screen - 120 x 360 mm.
Temperature - from -60°C to +85°C.

Certificate of the Russian Federation.
EAEU Certificate.

Countries of export: Republic of Kazakhstan, Republic of Belarus, Republic of Uzbekistan, Mongolia, Republic of Azerbaijan.

TPE Spectron LLC



TN VED Code 8532 10 950 0

Explosion-proof light, light and acoustic fire annunciators (panels). Explosion protection rating - "Intrinsically safe circuit" (Exi)

TSV-Exi-M-Prometey, TSZV-Exi-M-Prometey,
TSV-Exi-N-Prometey, TSZV-Exi-N-Prometey
(Casing: M - galvanized steel, N - stainless steel)

They are designed for light and acoustic notification of people about fire and escape routes.

Key performance parameters

0Ex ia IIC T6 Ga X / PO Ex ia I X Ma, IP66/IP68, sound > 100 dB.
Screen - 120 x 360 mm.
Temperature - from -60°C to +85°C.

Certificate of the Russian Federation.
EAEU Certificate.

Countries of export: Republic of Kazakhstan, Republic of Belarus, Republic of Uzbekistan, Mongolia, Republic of Azerbaijan.

TPE Spectron LLC



TN VED Code 8532 10 950 0

Explosion-proof light, light and acoustic programmable fire annunciators (panels - scrolling text). Explosion protection rating - sealing with compound (Exm)

TSVG-Exm-M-Prometey, TSZVG-Exm-M-Prometey,
TSVG-Exm-N-Prometey, TSZVG-Exm-N-Prometey
(Casing: M - galvanized steel, H - stainless steel)

They are designed for light and acoustic notification of people about fire and escape routes.

Key performance parameters

1Ex e mb IIC T6 Gb X/ PII Ex e mb I Mc X, IP66/IP68, 8 colors, sound > 100 dB.
Screen - 160 x 640 mm.
Temperature - from -60°C to +85°C.
Possibility of programming information on the screen.

Certificate of the Russian Federation.
EAEU Certificate.

Countries of export: Republic of Kazakhstan, Republic of Belarus, Republic of Uzbekistan, Mongolia, Republic of Azerbaijan.

TPE Spectron LLC



TN VED Code 8532 10 950 0

Explosion-proof light, light and acoustic programmable fire annunciators (panels - scrolling text). Explosion protection rating - "Intrinsically safe circuit" (Exi)

TSVG-Exi-M-Prometey, TSZVG-Exi-M-Prometey, TSVG-Exi-N-Prometey, TSZVG-Exi-N-Prometey
(Casing: M - galvanized steel, N - stainless steel)

They are designed for light and acoustic notification of people about fire and escape routes.

Key performance parameters

0Ex ia IIC T6 Ga X / PO Ex ia I X Ma, IP66/IP68, 8 colors, sound > 100 dB.
Screen - 160 x 640 mm.
Temperature - from -60°C to +85°C.
Possibility of programming information on the screen.

Certificate of the Russian Federation.
EAEU Certificate.

Countries of export: Republic of Kazakhstan, Republic of Belarus, Republic of Uzbekistan, Mongolia, Republic of Azerbaijan.

TPE Spectron LLC



TN VED Code 8531 10 950 0

Explosion-proof light, acoustic, light and acoustic fire annunciators. Explosion protection rating - "Flameproof enclosure" (Exd)

OS-Exd-A-Prometey, OZ-Exd-A-Prometey, OSZ-Exd-A-Prometey, OS-Exd-N-Prometey, OZ-Exd-N-Prometey, OSZ-Exd-N-Prometey
(Casing: A - aluminum, N - stainless steel)

They are designed for light and acoustic notification of people about fire.

Key performance parameters

1Ex db IIB T6 Gb X/PB Ex db I Mb X /Ex tb IIIB T85°C Db X, IP66/IP68, sound > 100 dB.
Temperature - from -60°C to +85°C.

Certificate of the Russian Federation.
EAEU Certificate.

Countries of export: Republic of Kazakhstan, Republic of Belarus, Republic of Uzbekistan, Mongolia, Republic of Azerbaijan.

TPE Spectron LLC



TN VED Code 8531 10 950 0

Horn-type fire alarm annunciators for public-address amplifiers. Explosion protection rating - "Flameproof enclosure" (Exd)

GVR-Exd-10-Prometey, GVR-Exd-20-Prometey,
GVR-Exd-30-Prometey, GVR-Exd-50-Prometey,
GVR-Exd-20-Prometey Ver. 01,
GVR-Exd-30-Prometey Ver. 01,
GVR-Exd-50-Prometey Ver. 01
(Casing - aluminum)

They are designed for voice notification of people in fire systems and systems of civil defense and emergency situations, and for loud-speaking communication systems.

Key performance parameters

1Ex db IIC T6 Gb X / Ex tb IIIC T85°C Db X, IP66, from 105 dB to 126 dB, U_{cc} 100 V.
Temperature - from -65°C to +85°C.

Certificate of the Russian Federation.
EAEU Certificate.

Countries of export: Republic of Kazakhstan, Republic of Belarus, Republic of Uzbekistan, Mongolia, Republic of Azerbaijan.

TPE Spectron LLC



TN VED Code 8531 10 950 0

Horn-type fire alarm annunciators for public-address amplifiers. Explosion protection rating - "Sealing with compound" (Exm)

GVR-Exm-10-Prometey, GVR-Exm-20-Prometey,
GVR-Exm-30-Prometey, GVR-Exm-50-Prometey
(Casing - ABS-plastic)

They are designed for voice notification of people in fire systems and systems of civil defense and emergency situations, and for loud-speaking communication systems.

Key performance parameters

1Ex mb bd IIC T6 Gb X / PB Ex mb db I Mb X, IP66, from 105 dB to 126 dB, U_{cc} 100 V.
Temperature - from -65°C to +85°C.

Certificate of the Russian Federation.
EAEU Certificate.

Countries of export: Republic of Kazakhstan, Republic of Belarus, Republic of Uzbekistan, Mongolia, Republic of Azerbaijan.

TPE Spectron LLC



TN VED Code 8537 10 910 0

Control device "Trombon - PU-4"

Trombon - PU-4

It is designed for developing alert systems of the 3rd and 4th types. Next generation device, based on the modern hardware components, has flexible settings for notification algorithms, an intelligent control system for all communication lines, a port for connecting remote consoles and an interface for connecting a PC and interfacing with "Intellect +" and "GOAL" security systems.

It ensures:

- *voice, acoustic and light announcement in manual and automatic modes;*
- *reception and broadcasting of signals transmitted through the EMERCOM alert channels;*
- *evacuation lighting control;*
- *management of the access control system (opening the escape routes' locks);*

The main applications - schools, kindergartens, clinics, hospitals and other facilities.

Key performance parameters

4 fire alarm inputs.
5 (4+1 personnel area) light announcement areas.
5 (4+1 personnel area) audible announcement areas.
1 EMERCOM signal input.
Integrated audio processor based on 2 voice messages 60 s each.
1 power control output for 220 V amplifiers.
1 power control output for 24 V amplifiers.
Supply voltage - 220 V (50 Hz).
1 port to connect remote consoles / 8 consoles.
1 port to connect PC and interface with other systems.
Voltage/capacity of the integrated standby power supply source of 12 V/7 Ah.

Certificate of the Russian Federation.

Planned for export.

SOUE Trombon LLC



TN VED Code 8518 40 800 9

Broadcasting power amplifier "Trombon - UM4-120"

Trombon - UM4-120

It is designed to be used as part of systems for public fire warning systems in buildings and structures. The amplifier can be used for voice announcement at concert venues, cafes, restaurants, clubs and for street public address systems.

Key performance parameters

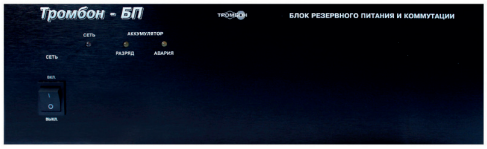
The amplifier has:
- four inputs - "Line input 1", "Line input 2", "Announcement", "Microphone";
- "Announcement output" for cascading amplifiers in the announcement system;
- level control for all inputs (except for the "Announcement" input).

Features:
- high energy efficiency;
- improved sound;
- small dimensions;
- light-weight structure.

Certificate of the Russian Federation.

Planned for export.

SOUE Trombon LLC



TN VED Code 8504 40 300 9

Standby power supply unit "Trombon - BP-21"

Trombon - BP-21

It is designed to provide low-voltage standby power (24-30 V) for high-power amplifiers that are part of the warning and evacuation management system. The units are also used to power the evacuation lighting system and to control supplementary technical equipment: traffic direction light indicators, emergency exit door locks, sound radiators, siren generators, etc. They are used in office centers, hotels, medical institutions, technical schools, large schools and other facilities.

Key performance parameters

Type/voltage/capacity of built-in rechargeable batteries AGM / 12 V / 7 Ah.
6 built-in rechargeable batteries
Capacity of the built-in rechargeable batteries (reduced to 24 V output) is 21 Ah.
1 non-switched DC voltage output 24 V, voltage / peak current 24-28 V/2 A.
1 non-switched DC voltage output 12 V, voltage / peak current 12.2-12.6 V/2 A.
24 V switched output voltage - 24-28 V.
Peak current at the 24 V switched output - 40 A.
1 switched output 220 V / peak current 10 A.
1 "Fault" output peak voltage/current 30 V/1 A.
1 "Start" output peak voltage/current 30 V/1 A.

Certificate of the Russian Federation.

Planned for export.

SOUE Trombon LLC



TN VED Code 8537 10 990 0

Dispatcher console "Trombon-SORS-PD"

Trombon-SORS-PD

It is designed for organizing and control of two-way communication between dispatcher and subscriber alerting devices. The dispatcher console has a port for connecting a PC including service software. The dispatcher console is powered by the local communication unit. It is used at facilities of any scale as part of a voice feedback system.

Key performance parameters

Housing type: desktop, aluminum panel, steel base.
Number of consoles per 1 system - up to 4 pcs.
Loudspeaker - 1 W.
Gooseneck microphone - 23 cm.
Powered by a 12–36 V LWN.

Certificate of the Russian Federation.

Planned for export.

SOUE Trombon LLC



TN VED Code 8517 62 000 9

Subscriber alerting device "Trombon-SORS-AVU"

Trombon-SORS-AVU

It is intended for calling an operator or a control room and organizing two-way voice communication with them. To be located in announcement areas. The SAD is powered by a local wireless network (LWN). Mortise and surface mounted versions are available. It is used at facilities of any scale as part of a voice feedback system.

Key performance parameters

Loudspeaker - 1 W.
Integrated microphone - 1 pc.
Powered by a 12–36 V LWN.

Certificate of the Russian Federation.

Planned for export.

SOUE Trombon LLC



TN VED Code 8517 62 000 9

Subscriber calling device "Trombon-SORS-AVU" version "T"

"Trombon-SORS-AVU" version "T"

It is intended for calling an operator or a control room and organizing two-way voice communication with them. To be located in announcement areas. The SAD is powered by LWN. It is used at facilities of any scale as part of a voice feedback system.

Key performance parameters

Outdoor version.
Powered by LWN with a voltage of 12-36 V.
Overall dimensions - not more than 300 x 180 x 110 mm.
Weight - 3.6 kg max.

Certificate of the Russian Federation.

Planned for export.

SOUE Trombon LLC



TN VED Code 8531 20 200 0

Information light and acoustic panel "Trombon - SORS-IST"

Trombon - SORS-IST

It is designed to confirm the call signal from such premises and to attract attention of the personnel on duty. It is connected to the system through a subscriber calling device. It is installed at the entrance to premises and security areas specially equipped for people with limited mobility. It is used in clinics, sanatoriums, shopping centers and other facilities, where it is necessary to organize an accessible environment for people with limited mobility.

Key performance parameters

Housing type - wall-mounted, plastic, triangular shape.
Powered by a 12–36 V LWN.
Port to connect to SAD - 1 pc.

Planned for export.

SOUE Trombon LLC



TN VED Code 8531 80 950 0

Calling/reset device "Trombon-SORS-VS"

Trombon-SORS-VS

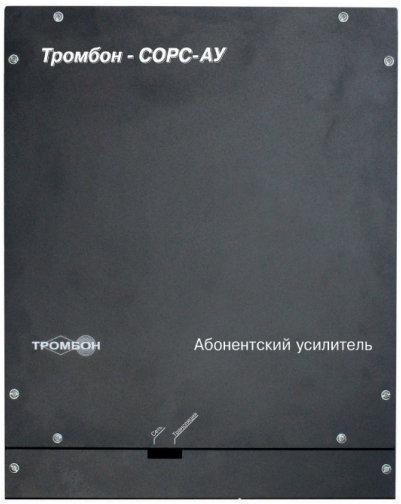
Its is designed to facilitate calling of dispatcher from room and to reset call signal by the personnel having rendered aid to a disabled person. It is installed inside a room organized for people with limited mobility, or at the entrance to such a room. It is used in clinics, sanatoriums, shopping centers and other facilities, where it is necessary to organize an accessible environment for people with limited mobility.

Key performance parameters

Available in two versions: push button and sling.
Housing type - wall-mounted, plastic.
Powered by LWN with a voltage of 12-36 V.
Port to connect to SAD - 1 pc.
Overall dimensions - not more than 105 x 82 x 65 mm.
Weight - 0.3 kg max.

Planned for export.

SOUE Trombon LLC



TN VED Code 8518 40 800 9

Subscriber amplifier "Trombon-SORS-AU"

Trombon-SORS-AU

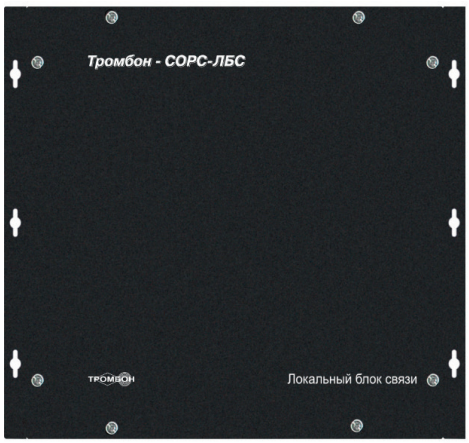
It is intended for configuring a public address system based on Trombon-SORS. To be located in announcement areas and connected to communication line with the LWN, in a similar way to SAD. It is used in clinics, sanatoriums, shopping centers and other facilities, where it is necessary to organize an accessible environment for people with limited mobility.

Key performance parameters

Power output - 120 W.
Voltage outputs - 30, 70, 100, 120.
Voice frequency band - 100-3500 Hz.
Power supply - 100-230 V, 50-60 Hz.

Planned for export.

SOUE Trombon LLC



TN VED Code 8536 90 850 0

Local communication unit "Trombon-SORS-LBS"

Trombon-SORS-LBS

It is designed to provide power and communication links to all system components connected to it. The main power supply of the unit is ensured from the 220 V network, and the standby power is supplied from the integrated rechargeable battery. It is used at facilities of any scale as part of a voice feedback system.

Key performance parameters

Housing type - wall-mounted, steel, powder-coated.
Number of LCUs per 1 system - up to 16 pcs.
Output voltage to power other system components - 36 V.
Primary power supply - 220 V.
Standby power supply, battery - 12 V 7 Ah, 1 or 2 pcs in parallel.

Certificate of the Russian Federation.

Planned for export.

SOUE Trombon LLC



TN VED Code 8517 62 000 9

IP amplifier "Trombon IP-UM120"

Trombon IP-UM120

It is designed to receive control signals and audio streams from audio broadcasting consoles and other sources authorized in the system. With the help of the on-board DAC, it converts signal into an analog format, amplifies it, and transmits it to the communication line equipped with speakers. It has the built-in power protection. It is used at facilities of any complexity and scale, as part of a sound broadcasting system.

Key performance parameters

Housing type - steel, powder-coated, wall-mounted.
LED indication.
RJ45 Ethernet interfaces, 3 USB.
Power output - 120 W.
Voltage outputs - 120, 100, 70, 30 V.
Frequency response with amplitude-frequency characteristic unevenness +-1 dB 68 Hz - 35 kHz.
Harmonic distortion at a frequency of 1 kHz - 0.3%.
Signal-to-noise ratio - at least 80 dB.
Power supply - 100-230 V, 50-60 Hz.
Power consumption - not more than 160 W.
Overall dimensions - 340 x 315 x 80 mm.
Weight - 5.4 kg.

Certificate of the Russian Federation.

Planned for export.

SOUE Trombon LLC



TN VED Code 8537 10 990 0

Desktop sound broadcasting console "Trombon IP-PZV"

Trombon IP-PZV

It is designed to control the Trombon-IP music broadcasting system (public address system), and to transmit music content in all popular formats via 4 independent channels to various broadcasting areas; voice messages via microphone to an area or a group of areas. A "point-to-point" two-way communication with other consoles and wall-mounted calling panels is possible. The system can include up to 255 independent consoles. It is used at facilities of any complexity and scale, as part of a sound broadcasting system.

Key performance parameters

Housing type - galvanized aluminum alloy, desktop version.
7 inch IPS 800 x 600 display with touchscreen.
RJ45 Ethernet interfaces, 3 USB.
Sound reproduction device - speaker, 2 W, 150 Hz - 20 kHz.
Audio capture device - microphone, 50 Hz - 20 kHz.
Height - 23 cm.
Number of amplifiers controlled by one console - 1-255.
Number of call panels controlled by one console - 0-255.
Point-to-point communication is possible.
Protection against unauthorized access - login and password, configurable priority level.
Number of music playback players - 1 (4 - optional).
Playback file types - mp3, flac, wav, ogg, wma, 3ga, aac, m4a, m4p, m4r, caf, opus, amr, mp2.
External power supply unit - 5 V, included.
Overall dimensions - 250 x 34 x 145 mm.
Weight - 1.15 kg.

Certificate of the Russian Federation.

Planned for export.

SOUE Trombon LLC



TN VED Code 8531 80 950 0

Calling IP-panel "Trombon - IP-VP"

Trombon – IP-VP

Calling IP-panel with an optional two-way audio communication. 2 MP CMOS IP camera with 80 ° viewing angle. Supports POE. Operates in combination with IP PZV. Capability for remote connection to the panel camera. Metal housing. It is used at facilities of any complexity and scale, as part of a sound broadcasting system.

Key performance parameters

Video compression standard - MJPG.
Camera - 2 MP CMOS HD.
Omnidirectional microphone.
On-board speaker.
Support for bidirectional conversations.
Ethernet network 10 M / 100 Mbps self-adaptive.
Network protocol - TCP/IP.
Power supply - POE ~ 5 V.
Power consumption:
- standby ≤ 2.5 W;
- operation ≤ 10 W.
Operating temperature - from -10°C to +60°C.
Relative humidity - 10% to 80% RH.
Overall dimensions - 130 x 28 x 145 mm.
Weight - 0.5 kg.

Planned for export.

SOUE Trombon LLC



TN VED Code 8517 62 000 2

Switch "TP-R08G2SFUPS"

TP-R08G2SFUPS

Industrial switch.

Key performance parameters

8 network ports 10/100/1000 Base-TX RJ45.
2 x optical ports SFP 10/100/1000.
Support for IEEE network protocols - 802.3, 802.3u, 802.3x, 802.3z, 802.3ab.
Table of MAC addresses - 16 K.
Performance - 20 Gbps /14.88 Mpps.
Transmission range - from 0 to 20 km (determined by SFP module).
Operating wavelength - 1310 and 1550 nm (determined by the SFP module).
Power consumption - up to 4.5 W.
Operating temperature range - from -40°C to +75°C.
Overall dimensions - 143 x 138 x 60 mm.
Weight - 1130 g.
Metal casing, DIN rail mounting included.

Planned for export.

SOUE Trombon LLC





TN VED Code 8536 90 850 0

EMERCOM communication channels interface unit "Trombon – IP-MChS"

Trombon – IP-MChS

It is designed for interfacing of the Trombon-IP audio broadcasting system with EMERCOM units for centralized launching communication channels. In particular, with the RASTsO-P166Ts-BUU-02 device. The Trombon-IP-MES unit receives analog control signals and voice messages, converts them into digital format and transmits them to the Trombon-IP sound broadcasting system. It ensures interfacing of the Trombon-IP audio broadcasting system with EMERCOM units for centralized launching communication channels. In particular, with the RASTsO-P166Ts-BUU-02 device. It receives analog control signals and voice messages, converts them into digital format and transmits them to the Trombon-IP sound broadcasting system.

Key performance parameters

1 EMERCOM control input.
1 EMERCOM sound input.
1 control input from an external system.
1 output "Ready" (NC-NO).
1 output "EMERCOM start" (NC-NO).
1 output "Emergency" (NC-NO).
1 output "Start" (NC-NO).
Start and Reset keys.
Power control key.
LED indicators "Network", "Ready", "EMERCOM", "Emergency", "Start".
Supply voltage - 5 V.
Power consumption - 2 A.
Overall dimensions - 225 x 165 x 40 mm.
Weight - 0.7 kg.

Planned for export.

SOUE Trombon LLC





TN VED Code 8518 21 000 0

Voice security and fire annunciator "Glagol – H1-5"

Glagol – H1-5

It is intended for voice announcement and sound broadcasting systems. Amplitude-frequency characteristic unevenness in the range of from 200 Hz to 6300 Hz is not more than 5 dB. Small size and neutral color array are suitable for use in any environment (educational institutions, offices, hospitals, shopping and exhibition centers, hotels, railway stations, airports, service companies, etc.).

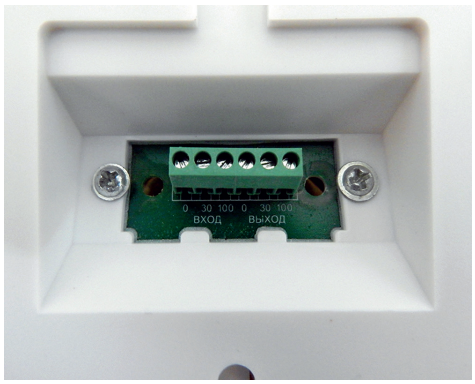
Key performance parameters

Power capacity - 5 W.
Rated voltage - 30/100 V.
Sound pressure level - 97 dB.
Frequency band - 90 Hz - 16 kHz;
Installation type - wall-mounted, mounting - suspended.
Material - plastic.
Number of speakers - 1.
Protection rating - IP40.
Weight - 0.71 kg.
Overall dimensions - 193 x 175 x 85 mm.

Certificate of the Russian Federation.

Planned for export.

SOUE Trombon LLC







TN VED Code 8518 21 000 0

Voice security and fire annunciator "Glagol – H2-10"

Glagol – H2-10

It is intended for voice announcement and sound broadcasting systems. Amplitude-frequency characteristic unevenness in the range of from 100 Hz to 10000 Hz is not more than 5 dB. Small size and neutral color array are suitable for use in any environment (educational institutions, offices, hospitals, shopping and exhibition centers, hotels, railway stations, airports, service companies, etc.).

Key performance parameters

Power capacity - 10 W.
Rated voltage - 30/100 V.
Sound pressure level - 105 dB.
Frequency band - 90 Hz - 16 kHz;
Installation type - wall-mounted, mounting - suspended.
Material - plastic.
Number of speakers - 1.
Protection rating - IP40.
Overall dimensions - 260 x 185 x 120 mm.
Weight - 1.21 kg.

Certificate of the Russian Federation.

Planned for export.

SOUE Trombon LLC



TN VED Code 8518 21 000 0

Voice security and fire annunciator "Glagol – P-5"

Glagol – P-5

It is intended for voice announcement and sound broadcasting systems. Amplitude-frequency characteristic unevenness in the range of from 100 Hz to 10000 Hz is not more than 5 dB. Small dimensions in height allow them to be installed on suspended dummy panels with a small roof space. The annunciator housing is made of high quality plastic. Small size and neutral color array are suitable for use in any environment (educational institutions, offices, hospitals, shopping and exhibition centers, hotels, railway stations, airports, service companies, etc.).

Key performance parameters

Power - 5 W.
Rated voltage - 30/100 V.
Sound pressure level at 120V - 98 dB.
Frequency band - 100 Hz - 15 kHz;
Installation type, mounting - built-in.
Material - plastic.
Number of speakers - 1.
Protection rating - IP40.
Dimensions- D186x45(163).
Weight - 0.58 kg.

Certificate of the Russian Federation.

Planned for export.

SOUE Trombon LLC



TN VED Code 8518 21 000 0

Column-type wall-mounted annunciator "Glagol-K1-40"

Glagol-K1-40

It is designed for voice announcement at both enclosed premises and open public spaces. The housing is metal, dust and moisture resistant.

Key performance parameters

Max/Min capacity - 20/40 W.
Rated voltage - 100 V.
Sensitivity (1 m, 1 W) - 93 ± 3dB.
Frequency band - 100 Hz - 15 kHz.
Number of speakers - 8.
Material - aluminum.
Protection rating - IP-66.
Overall dimensions - 670 x 98 x 64 mm.

Certificate of the Russian Federation.

Planned for export.

SOUE Trombon LLC







TN VED Code 8518 21 000 0

Ceiling or wall mounted annunciator "Glagol-PN-5"

Glagol-PN-5

It is designed for wall and ceiling mounting. The housing is split, from high quality plastic. The stylish design allows it to be used both in ordinary rooms and in rooms with original architectural forms.

Key performance parameters

Power output - 5 W.
Rated voltage - 30/100 V.
Sound pressure level - 98 dB.
Frequency band - 100 Hz - 15 kHz.
Installation type, mounting - ceiling, surface mounted.
Material - plastic.
Number of speakers - 1.
Protection rating - IP40.

Certificate of the Russian Federation.

Planned for export.

SOUE Trombon LLC



TN VED Code 8518 21 000 0

Ceiling-mounted suspended annunciator "Glagol-PSh-10"

Glagol-PSh-10

It is designed for suspended ceiling mounting. The original ball design allows obtaining a wider sound image. The suspension length of 4 m allows it to be used in high-ceilinged premises. The housing is made of durable plastic. They are designed for installation in restaurants, bars, cafes, sports centers, etc.

Key performance parameters

Power capacity - 10 W.
Rated voltage - 30/100 V.
Sound pressure level at 120V - 105 dB.
Frequency band - 100 Hz - 15 kHz.
Installation type, mounting - suspended.
Material - plastic.
Number of speakers - 1.
Protection rating - IP41.

Certificate of the Russian Federation.

Planned for export.

SOUE Trombon LLC



TN VED Code 8518 21 000 0

Fireproof ceiling-mounted annunciator "Glagol-PP-5"

Glagol-PP-5

It is designed for ceiling mounting in horizontal dummy panels. The housing is made of metal, with a flame-proof metal cap on the back side. Small size and neutral color array are suitable for use in any environment (educational institutions, offices, hospitals, shopping and exhibition centers, hotels, railway stations, airports, service companies, etc.).

Key performance parameters

Power output - 3/5 W.
Rated voltage - 120 V.
Sound pressure level - 89/93 dB.
Frequency band - 100 Hz - 15 kHz.
Installation type, mounting - ceiling, built-in.
Material - metal.
Number of speakers - 1.
Protection rating - IP41.
Note: to protect the speaker diaphragm from direct fire, it is equipped with an additional metal shield.

Certificate of the Russian Federation.

Planned for export.

SOUE Trombon LLC



TN VED Code 8518 21 000 0

All-weather loudspeaker "Glagol-25GR-31"

Glagol-25GR-31

It is designed for use as part of a public address system, voice announcement at open spaces or rooms with a high level of noise (industrial areas, parking lots, gas stations, parks, shopping centers). It operates at temperatures of from -50°C to +55°C, corrosion resistant!

Key performance parameters

Housing material - metal.
Rated voltage - 100 V.
Sound pressure level - 112 dB.
Frequency band - 200-8000 Hz;
Operating temperature range - from -50°C to +55°C.
Protection rating - IP65.
Weight - 1.9 kg.
Overall dimensions - 285 x 248 x 246 mm.

Certificate of the Russian Federation.

Planned for export.

SOUE Trombon LLC

Alerting intercom

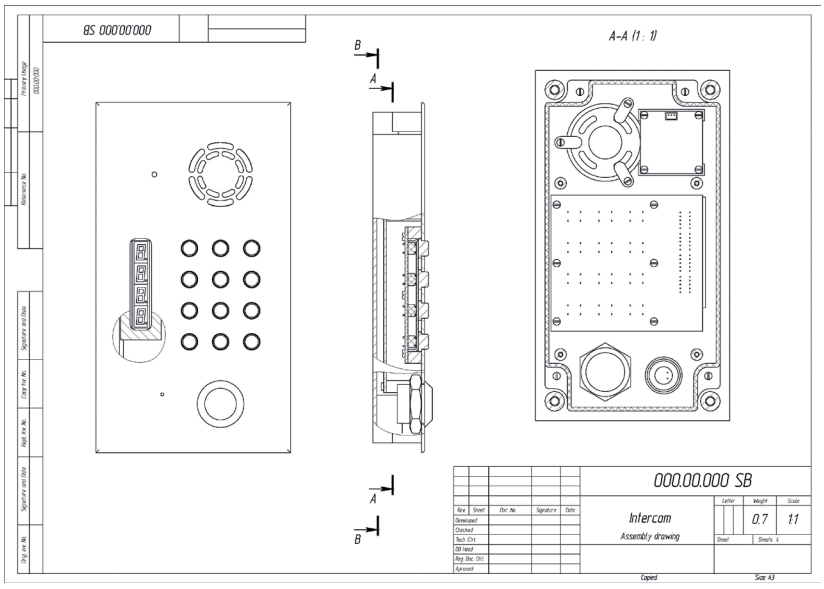
It is designed to alert residents of apartments and houses about an emergency situation.

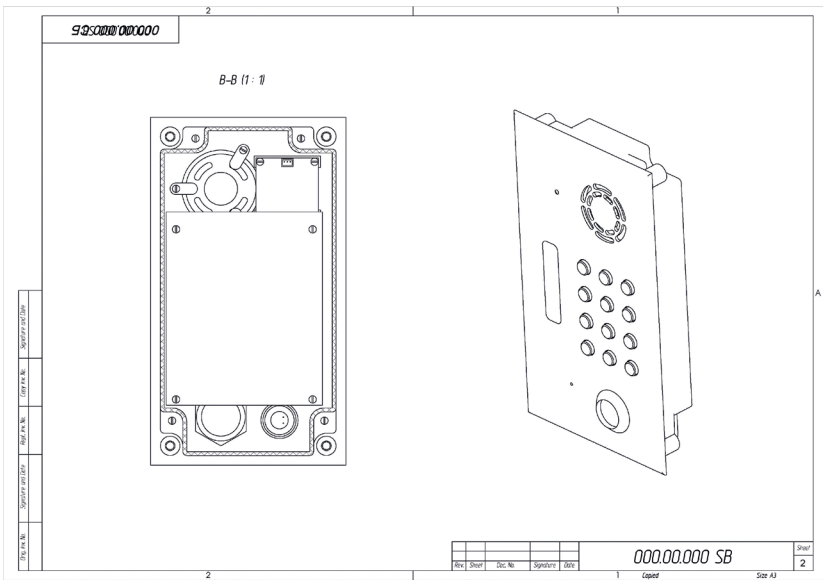
Key performance parameters

The intercom has standard features (like its equivalents). Its advantage is that it has the function of forced simultaneous feedback communication with all connected subscribers. That is, a rescuer, who has a special key or password known only to the employees of EMERCOM, touches it to the intercom (which is installed on the entrance door), and after a sound signal, it can alert all apartment subscribers about the danger (for example, repeat several times: "The house is being evacuated due to smoke in the basement"). At this time, in each apartment, this message will be heard from the subscriber handset over the speakerphone.

Planned for export.

UralPozhTekhVooruzhenie LLC





Smoke detector

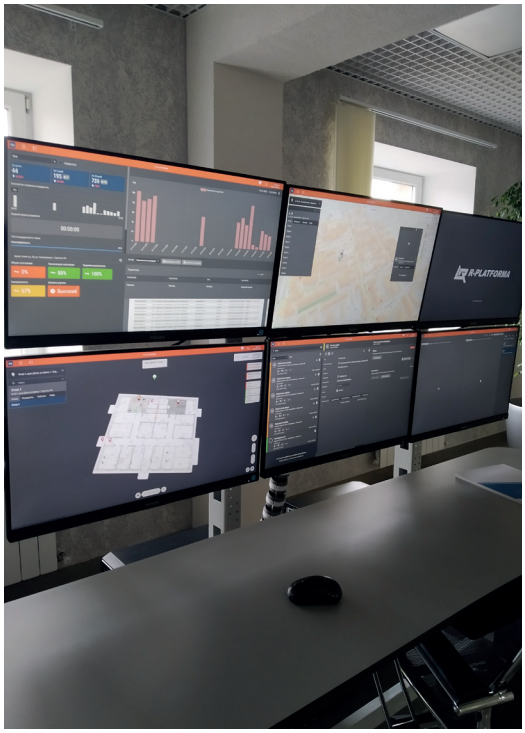
It is designed to alert and designate escape routes in low visibility conditions, at public gathering facilities.

Key performance parameters

When the sensor is triggered, a unique function (trade secret) is activated that allows determining the escape route.

Planned for export.

UralPozhTekhVooruzhenie LLC



TN VED Code 8471 49 000 0

Automated workstation

TsPIU "Rubezh-ARM" desktop,
TsPIU "Rubezh-ARM" rack-mountable

It is designed to create a centralized system for integrated monitoring and control of fire protection at residential, commercial, power and industrial facilities, and to ensure operation of the access control and accounting system.

Key performance parameters

On-site configuring and setting the security and fire alarm system.
Monitoring the site security and fire alarm system and the ACS.
Control of all actuating instruments and devices that are part of the "Rubezh" security and fire alarm system.

Certificate of the Russian Federation.

Countries of export: Republic of Armenia, Republic of Uzbekistan, Kyrgyz Republic.

TH RUBEZH LLC



TN VED Code 8523 51 930 0

FireSec top-level software

FireSec security and fire alarm system administrator

It is designed to create a database of the "Rubezh" security and fire alarm system for the protected facility.

Key performance parameters

The FireSec security and fire alarm system can be installed both on a server - a computer, to which the fire alarm control panels are directly connected, and at a remote workplace. Application servers are accessed over the local network using the HTTP protocol tool.

No certification required.

Countries of export: Republic of Armenia, Republic of Uzbekistan, Kyrgyz Republic, Republic of Kazakhstan, Turkmenistan, Georgia, Mongolia, Republic of Azerbaijan, Republic of Belarus, United Kingdom of Great Britain and Northern Ireland.

TH RUBEZH LLC



TN VED Code 8531 20 200 0

Display unit

"Rubezh-BI"

It is designed to display the status of areas, area groups and actuating devices of the addressable fire alarm and extinguishing system on the built-in LED display.

Key performance parameters

Receiving signals from fire alarm control panels.
Three-color LED indication of the status of monitored areas or actuating devices.
LED indication of system status and operating modes.
Sound signaling of operating modes.
Resetting the "Fire" signal in the areas using the Touch Memory key.
Three-color LED indication of the status of monitored areas or actuating devices.
LED indication of system status and operating modes.
Sound signaling of operating modes.

Certificate of the Russian Federation.
EAEU Certificate.

Countries of export: Republic of Armenia, Republic of Uzbekistan, Republic of Kazakhstan, Turkmenistan, Georgia, Mongolia, Republic of Azerbaijan, Republic of Belarus, Kyrgyz Republic, United Kingdom of Great Britain and Northern Ireland.

TH RUBEZH LLC





TN VED Code 8531 90 850 0

Address marker

AM-1, AM-1 prot.R3, AM-4 prot.R3, AMP4-R2, AMP4-R2 mm, AMP-4 prot.R3, AMP-10 prot.R3

It is intended for interfacing addressable fire alarm control panels "Rubezh-2OP" prot.R3.

Key performance parameters

Address marker is a programmable device. The address marker configuration is set by user from the fire alarm control panel or using the FireSec "Administrator" software.

Certificate of the Russian Federation.
EAEU Certificate.

Countries of export: Republic of Armenia, Republic of Uzbekistan, Republic of Kazakhstan, Turkmenistan, Georgia, Mongolia, Republic of Azerbaijan, Kyrgyz Republic, United Arab Emirates.

TH RUBEZH LLC



TN VED Code 8536 30 100 0

Loop insulator

IZ-1 prot.R3, IZ-1B prot.R3, IM-1 (prot.R3)

It is intended for interfacing addressable fire alarm control panels "Rubezh-2OP" prot.R3.

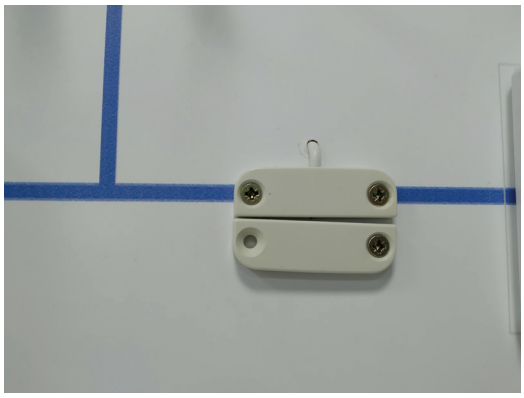
Key performance parameters

It isolates short-circuited sections of the addressable communication line, thereby ensuring the operability of the rest of the communication line.

Certificate of the Russian Federation.

Countries of export: Republic of Armenia, Republic of Uzbekistan, Republic of Kazakhstan, Turkmenistan, Georgia, Mongolia, Republic of Azerbaijan, Kyrgyz Republic, Republic of Belarus, Republic of Moldova.

TH RUBEZH LLC



TN VED Code 8536 30 100 0

Security detector

IO 10220-2 magnetic-reed

It is designed to protect the controlled premises against unauthorized entry of unauthorized persons, accompanied by breaking of doors and windows.

Key performance parameters

The detector is an addressable device that consists of a controlled contact and a magnet, and generates an "Alarm" signal when moving parts of protected structures, such as doors, windows, etc., are opened.

Certificate of the Russian Federation.

Countries of export: Republic of Armenia, Republic of Uzbekistan, Republic of Kazakhstan, Turkmenistan, Georgia, Republic of Azerbaijan, Kyrgyz Republic.

TH RUBEZH LLC



TN VED Code 8536 30 100 0

Security detector

IO 32920-2 sound

It is designed to protect the controlled premises against unauthorized entry of unauthorized persons, accompanied by breaking glass.

Key performance parameters

The principle of operation of the detector is to intercept ambient sounds with a high-frequency microphone and analyze the incoming signal via a microprocessor.

Certificate of the Russian Federation.

Countries of export: Republic of Armenia, Republic of Uzbekistan, Republic of Kazakhstan, Turkmenistan, Republic of Azerbaijan, Kyrgyz Republic, Mongolia.

TH RUBEZH LLC



TN VED Code 8536 30 100 0

Security detector

IO 30920-2 surface-mounted

It is designed to protect the controlled premises against unauthorized entry of unauthorized persons, accompanied by movement in the monitored sector.

Key performance parameters

In standby state - blinks once for 4-5 s.
In alarm state - blinks twice for 1 s.
In the "Test" mode - rapid blinking for 2-3 seconds after pressing the test button.

Certificate of the Russian Federation.
EAEU Certificate.

Countries of export: Republic of Uzbekistan, Republic of Kazakhstan, Republic of Belarus.

TH RUBEZH LLC



TN VED Code 8517 62 000 9

Radio channel module

MRK-30A prot.R3

It is designed to organize radio channel extension of the addressable communication line of the "Rubezh-2OP" devices.

Key performance parameters

Permanent two-way exchange between segments of the addressable communication line (ACL), as well as between addressable devices and fire alarm control panel.
Transmission to the fire alarm control panel of messages about fire, malfunction, tests from addressable devices located on the extended part of the ACL.

Certificate of the Russian Federation.

Countries of export: Republic of Azerbaijan, Republic of Armenia, Republic of Kazakhstan, Georgia, Republic of Moldova, Turkmenistan, United Arab Emirates.

TH RUBEZH LLC



TN VED Code 8531 10 300 0

Annunciator

OPOP 1-R3, OPOP 124-R3,
OPOP 124B-R3, OPOP 124-R2

It is intended for designating and alerting specialized areas; for issuing sound and light announcing signals in security and fire alarm systems.

Key performance parameters

When the supply voltage is applied, the annunciator emits a light signal and/or a modulated sound signal.

Certificate of the Russian Federation.
EAEU Certificate.

Countries of export: Republic of Belarus, Republic of Armenia, Republic of Kazakhstan, Republic of Azerbaijan, Republic of Uzbekistan.

TH RUBEZH LLC



TN VED Code 8537 10 910 0

Addressable device programmer

PKU-1 prot.R3

It is designed for programming devices that are part of the fire alarm system.

Key performance parameters

It is a programmable device. The configuration is set by user using the FireSec software.

No certification required.

Countries of export: Republic of Belarus, Republic of Armenia, Republic of Kazakhstan, Republic of Azerbaijan, Republic of Uzbekistan, Kyrgyz Republic, Mongolia, Georgia, Turkmenistan.

TH RUBEZH LLC



TN VED Code 8536 49 000 0

Relay module

RM-1, RM-1S, RM-4 prot.R3, RM-1K prot.R3, RM-4K prot.R3, RM-1K Ex, RM1M-R2, RM2-R2, RM4-R2, RM4-R2

It is intended for interfacing addressable fire alarm control panels "Rubezh-2OP" prot.R3.

Key performance parameters

It is a programmable device. The configuration is set by user using the FireSec software.

Certificate of the Russian Federation.
EAEU Certificate.

Countries of export: Republic of Belarus, Republic of Armenia, Republic of Kazakhstan, Republic of Azerbaijan, Republic of Uzbekistan, Kyrgyz Republic, Mongolia, Georgia, Turkmenistan.

TH RUBEZH LLC



TN VED Code 8531 10 300 0

Remote start device

UDP 513-11-R3

It is designed for manual activation of actuating devices in fire protection systems and security and fire alarm systems.

Key performance parameters

Round-the-clock and continuous operation with control devices.

Certificate of the Russian Federation.
EAEU Certificate.

Countries of export: Republic of Armenia, Republic of Kazakhstan.

TH RUBEZH LLC



TN VED Code 8537 10 990 0

Pump/fan control cabinet

ShUN/V-R3

It is designed to control the electric drive of actuator for security systems and engineering systems at the facility (fan, pump, etc.).

Key performance parameters

It ensures operation with three-phase electric motors with rated power of from 0.18 to 15 kW, and single-phase electric motors with rated power of from 0.18 to 3 kW.

Certificate of the Russian Federation.

Countries of export: Republic of Belarus, Republic of Kazakhstan, Republic of Uzbekistan.

TH RUBEZH LLC



TN VED Code 8537 10 990 0

Fire extinguishing remote control element

EDU-PT

It is designed for manual activation of actuating devices in fire protection systems.

Key performance parameters

Sending a command to the MPT-1 prot.R3 module to start fire extinguishing by pressing the "START" button.
Sending a command to the MPT-1 prot.R3 module to cancel (stop) fire extinguishing by pressing the "STOP" button.
Testing the performance of LEDs and buzzer by pressing the "TEST" button.

Certificate of the Russian Federation.
EAEU Certificate.

Countries of export: Republic of Belarus, Republic of Armenia, Republic of Kazakhstan, Republic of Azerbaijan, Republic of Uzbekistan, Kyrgyz Republic, Mongolia, Georgia, Turkmenistan, United Kingdom of Great Britain and Northern Ireland.

TH RUBEZH LLC



TN VED Code 8537 10 910 0

Manual fire detector

IPR 513-12

It is designed to manually trigger "Fire" signal.

Key performance parameters

Processing according to special algorithms of measurement results and transmission of the "Fire" signal to the fire alarm control panel.
Indication of the detector operating mode.
Automatic compensation of dust content in the smoke chamber to eliminate false alarms.

Certificate of the Russian Federation.
EAEU Certificate.

Countries of export: Turkmenistan.

TH RUBEZH LLC



TN VED Code 8531 10 300 0

Fire detector

IP 212-41M

It is designed to detect fires accompanied by the smoke generation.

Key performance parameters

Measurement of smoke concentration.
Digital processing according to special algorithms of measurement results and making a decision to switch to the "Fire" mode.

Certificate of the Russian Federation.
EAEU Certificate.

Countries of export: Republic of Azerbaijan, Republic of Armenia, Republic of Kazakhstan, Republic of Uzbekistan, Georgia.

TH RUBEZH LLC



TN VED Code 8531 10 300 0

Fire detector

IP 212-95

It is designed to detect fires accompanied by the smoke generation.

Key performance parameters

Processing according to special algorithms of measurement results and transmission of the "Fire" signal to the fire alarm control panel.
Indication of the detector operating mode.
Automatic compensation of dust content in the smoke chamber to eliminate false alarms.

Certificate of the Russian Federation.

Countries of export: Republic of Azerbaijan, Republic of Kazakhstan, Republic of Uzbekistan, Georgia.

TH RUBEZH LLC



TN VED Code 8531 10 300 0

Fire detector

IP 212-141

It is designed to detect fires accompanied by the smoke generation.

Key performance parameters

Processing according to special algorithms of measurement results and transmission of the "Fire" signal to the fire alarm control panel.
Indication of the detector operating mode.
Automatic compensation of dust content in the smoke chamber to eliminate false alarms.

Certificate of the Russian Federation.

Countries of export: Republic of Azerbaijan, Republic of Armenia, Georgia, Republic of Kazakhstan, Kyrgyz Republic, Republic of Moldova, Mongolia, Turkmenistan, Republic of Uzbekistan, Republic of Belarus.

TH RUBEZH LLC



TN VED Code 8531 10 300 0

Security and fire alarm light annunciator; combined security and fire alarm annunciator

OPOP 1-8, OPOP 1-8M, OPOP 2-35,
OPOP 124-7

They are intended for designating and alerting specialized areas; for issuing sound and light announcing signals in security and fire alarm systems.

Key performance parameters

Connected to DC power supplies with a voltage of 9 V to 27 V.

Certificate of the Russian Federation.
EAEU Certificate.

Countries of export: Republic of Moldova, Republic of Uzbekistan, United Arab Emirates, Turkmenistan, Republic of Armenia, Georgia, Republic of Kazakhstan, Kyrgyz Republic, Mongolia, United Kingdom of Great Britain and Northern Ireland, Republic of Azerbaijan, Republic of Belarus.

TH RUBEZH LLC





TN VED Code 8504 40 900 0

TN VED Code 8504 40 000 0

TN VED Code 8536 30 100 0

Redundant power supply unit; backup power supply; supply voltage multiplier

BR 12, BR-24; IVEPR 12/1.2; IVEPR 12/1,5; IVEPR 12/2 (1K); IVEPR 12/2 (2K); IVEPR 12/3.5; IVEPR 12/5; IVEPR 112-2-2; IVEPR 24/1.5; IVEPR 24/2.5; IVEPR 24/3.5; IVEPR 24/5; IVEPR 12/2 RSR; IVEPR 12/3.5 RS-R3; IVEPR 12/3.5 RS-R3; IVEPR 12/5 RS-R3; IVEPR 24/2.5 RS-R3; IVEPR 24/3,5 RS-R3; RNP 12/4x1.25

They are designed for uninterrupted power supply of technical security equipment: security and fire alarm systems, video surveillance systems, access control systems, and other equipment.

Key performance parameters

Rated output voltage - 12 V and 24 V.

Certificate of the Russian Federation.
EAEU Certificate.

Countries of export: Republic of Azerbaijan, Republic of Armenia, Georgia, Republic of Kazakhstan, Kyrgyz Republic, Mongolia, United Arab Emirates, Turkmenistan, Republic of Uzbekistan, Republic of Moldova.

TH RUBEZH LLC

SECTION 2



FIRE CONTAINMENT (LOCALIZATION) SYSTEMS





TN VED Code 3209 10 000 9

PLAMCOR®-1

paint

It is designed for passive fire protection of load-bearing metal structures.

Key performance parameters

R15 – R90.

Certificate of the Russian Federation.
Certificate of EMERCOM of the Republic of Kazakhstan.

Countries of export: Republic of Kazakhstan.

VMP RPH JSC



TN VED Code 3824 90 700 0

PLAMCOR®-2

composition

It is designed for passive fire protection of load-bearing metal structures.

Key performance parameters

R15 – R120.

Certificate of the Russian Federation.
Certificate of EMERCOM of the Republic of Kazakhstan.

Countries of export: Republic of Kazakhstan.

VMP RPH CJSC



TN VED Code 3208 90 190 9

PLAMCOR®-3

composition

It is designed for passive fire protection of load-bearing metal structures.

Key performance parameters

R15 – R120.

Certificate of the Russian Federation.
Certificate of EMERCOM of the Republic of Kazakhstan.

Countries of export: Republic of Kazakhstan.

VMP RPH JSC



TN VED Code 3824 90 700 0

PLAMCOR®-4

dry mixture

It is designed for passive fire protection of load-bearing metal structures.

Key performance parameters

R15 – R240.

Certificate of the Russian Federation.
Certificate of EMERCOM of the Republic of Kazakhstan.

Countries of export: Republic of Kazakhstan.

VMP RPH JSC



TN VED Code 3824 99 700 0

Fire-retardant heat expanding paint

Ograx-V-SK

It is designed for protection of load-bearing metal and wooden structures from fire.

Key performance parameters

The water-based material is used to improve the fire resistance characteristics of steel structures in rooms with humidity of up to 85% and air temperature of from -50°C to +60°C.
It complies with fire retardant efficiency group 3.
Color: white.
Density: 1.3 g/cm^3.
Consumption: 4.09 kg/m^2 with a layer thickness of 2.2 mm (R90, BFS of 5.8 mm).
Consumption for wooden structures: 200 g/m^2.
Guaranteed shelf life: 1 year.
Storage and transportation conditions: from +5°C to +40°C.

Certificate of the Russian Federation.

Countries of export: Ukraine, Republic of Belarus, Republic of Kazakhstan, Republic of Uzbekistan.

SPA UNICHIMTEK JSC



TN VED Code 3824 99 700 0

Fire-retardant heat expanding paint

Ograx-SK-1

It is designed for protection of load-bearing metal structures from fire.

Key performance parameters

The organic solvent-based material is used to improve the fire resistance of steel structures under the conditions of limited atmospheric effects (under a canopy) and enclosed spaces at temperatures of from -50°C to +60°C.
It complies with fire retardant efficiency group 3.
Color: white.
Density: 1.3 g/cm^3.
Consumption: 2.49 kg/m^2 with a layer thickness of 1.65 mm (R90, BFS of 5.8 mm).
Guaranteed shelf life: 1 year.
Storage and transportation conditions: from -60°C to +60°C.

Certificate of the Russian Federation.

Countries of export: Ukraine, Republic of Belarus, Republic of Kazakhstan, Republic of Uzbekistan.

SPA UNICHIMTEK JSC



TN VED Code 3824 99 700 0

Fire-retardant heat expanding paint

Ograx-MSK

It is designed for protection of load-bearing metal structures from fire.

Key performance parameters

The intercalated graphite-based material is used to improve the fire resistance characteristics of steel structures in an open atmosphere at temperatures of from -60°C to + 80°C and a humidity of up to 100%. It has high resistance to corrosive media (oil, gasoline).
Operation without primer and enamel is possible.
Pre-assembly application is possible.
It complies with fire retardant efficiency group 3.
Color: dark-grey.
Thinner: ethyl acetate.
Density: 1.1 g/cm^3.
Consumption: 4.2 kg/m^2 with a layer thickness of 2.1 mm (R90, BFS of 5.8 mm).
Guaranteed shelf life: 1 year.
Storage and transportation conditions: from -60°C to +60°C.

Certificate of the Russian Federation.

Countries of export: Ukraine, Republic of Belarus, Republic of Kazakhstan, Republic of Uzbekistan.

SPA UNICHIMTEK JSC



TN VED Code 3824 99 700 0

Fire-retardant heat expanding paint

Ograx-VV

It is designed for protection of cables and cable lines from fire.

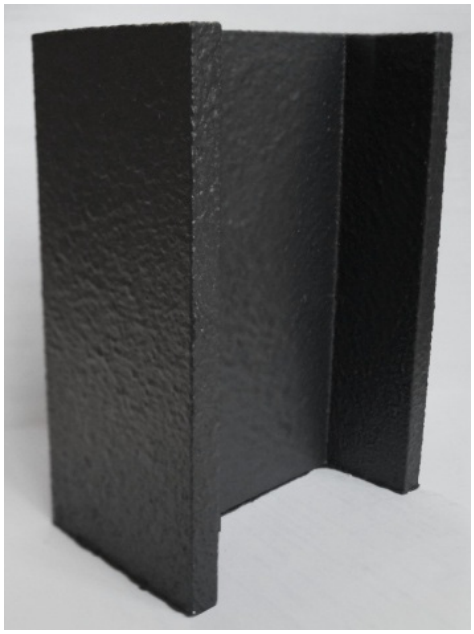
Key performance parameters

The water-based material is used for fire protection of electrical cables in a jacket made of polyethylene, polyvinyl chloride and rubber, as well as armored cables in rooms with high humidity of up to 100% and in open air at temperatures of from -50°C to +60°C.
Color: grey.
Density: 1.2 g/cm^3.
Coating thickness: 0.8 mm.
Consumption: 1.5 m^2.
Guaranteed shelf life: 1 year.
Storage and transportation conditions: from +5°C to +40°C.

Certificate of the Russian Federation.

Countries of export: Ukraine, Republic of Belarus, Republic of Kazakhstan, Republic of Uzbekistan.

SPA UNICHIMTEK JSC



TN VED Code 3824 99 700 0

Fire-retardant heat expanding paint

Ograx-SKE

It is designed for protection of load-bearing metal structures from fire.

Key performance parameters

The two-component epoxy-based material is used to improve the fire resistance characteristics of steel structures in an open atmosphere at temperatures of from -60°C to + 80°C and a humidity of up to 100%. It has high resistance to corrosive media (oil, gasoline) and all types of atmospheric precipitation, including marine climate conditions.
Operation without primer and enamel is possible.
Pre-assembly application is possible.
Tested under hydrocarbon combustion conditions.
It complies with fire retardant efficiency group 3.
Color: black.
Dry solid mass fraction: 93%.
Consumption: 6.6 kg/m^2 with a layer thickness of 5.5 mm (R90, BFS of 5.8 mm).
Guaranteed shelf life: 2 years.
Storage and transportation conditions: from -60°C to +60°C.

Certificate of the Russian Federation.

Countries of export: Ukraine, Republic of Belarus, Republic of Kazakhstan, Republic of Uzbekistan.

SPA UNICHIMTEK JSC



TN VED Code 3824 99 700 0

Fire-retardant heat expanding paint

Ograx-V1

It is designed for protection of cables and cable lines from fire.

Key performance parameters

The water-based material is used for fire protection of electrical cables in a jacket from polyethylene, polyvinyl chloride and rubber in enclosed spaces at temperatures of from -50°C to +60°C and humidity of up to 85%.
Color: white.
Density: 1.3 g/cm^3.
Coating thickness: 0.5 mm.
Consumption: 1 kg/m^2.
Guaranteed shelf life: 1 year.
Storage and transportation conditions: from +5°C to +40°C.

Certificate of the Russian Federation.

Countries of export: Ukraine, Republic of Belarus, Republic of Kazakhstan.

SPA UNICHIMTEK JSC



TN VED Code 3824 99 700 0

Fire-retardant heat expanding paint

Ograx-M

It is designed for protection of cables and cable lines from fire.

Key performance parameters

The moisture-resistant organic solvent-based material is used for fire protection of electrical cables in a jacket from polyethylene, polyvinyl chloride and rubber under the conditions of increased humidity of up to 100% and in the open air at temperatures of from -60°C to +60°C.
Color: dark-grey.
Density: 1.0 g/cm^3.
Coating thickness: 0.8 mm.
Consumption: 1.8 kg/m^2.
Guaranteed shelf life: 1 year.
Storage and transportation conditions: from -60°C to +60°C.

Certificate of the Russian Federation.

Countries of export: Ukraine, Republic of Belarus, Republic of Kazakhstan.

SPA UNICHIMTEK JSC



TN VED Code 6815 10 900 9

Fire-retardant heat expanding paint

Ograx-L

It is designed for thermally expanding sealing fire protection products (doors, windows, elevators, smoke exhaust valves, etc.).

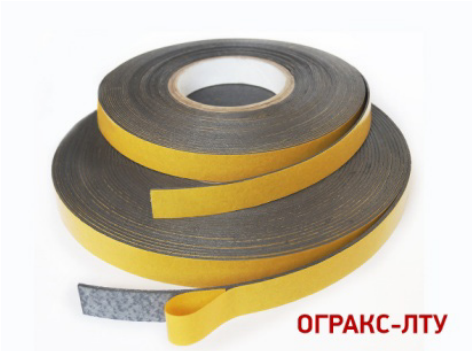
Key performance parameters

Elastic roll material based on oxidized graphite and rubber. Resistant to water, gasoline and oils. Prevents penetration of hot gases, flames and smoke for up to 150 min.
Additional armour layer - coarse calico.
Thickness: 1-4 mm.
Maximum width: 1.4 m.
Length: 10.5 or 15.9 m.
Expansion ratio: at least 2000%.
Guaranteed shelf life: 1 year.
Storage and transportation conditions: from -50°C to +60°C.

Certificate of the Russian Federation.

Countries of export: Ukraine, Republic of Belarus, Republic of Kazakhstan.

SPA UNICHIMTEK JSC



TN VED Code 6815 10 900 9

Fire-retardant heat expanding paint

Ograx-LTU

It is designed for thermally expanding sealing fire protection products (doors, windows, elevators, smoke exhaust valves, etc.).

Key performance parameters

Elastic roll material based on oxidized graphite and PVC. Resistant to water, gasoline and oils. Prevents penetration of hot gases, flames and smoke for up to 90 min.
It can be available both with a smooth and corrugated surface.
Thickness: 1-3 mm.
Maximum width: 280 mm.
Length: 10 m.
Expansion ratio: at least 1800 %.
Guaranteed shelf life: 1 year.
Storage and transportation conditions: -60... +60 s.

Certificate of the Russian Federation.

Countries of export: Ukraine, Republic of Belarus, Republic of Kazakhstan.

SPA UNICHIMTEK JSC



TN VED Code 3824 99 700 0

Biological flame retardant impregnation

Ograx-PD-2

It is designed for fire protection and fungicidal treatment of wooden structures.

Key performance parameters

Water-based impregnation is intended for indoor and outdoor use at temperatures of from -60°C to +60°C.
It complies with fire retardant efficiency group 1.
Color: colorless.
Consumption: 300 g/m^2.
Guaranteed shelf life: 5 years.
Storage and transportation conditions: from -60°C to +40°C.

Certificate of the Russian Federation.

Countries of export: Ukraine, Republic of Belarus, Republic of Kazakhstan.

SPA UNICHIMTEK JSC



TN VED Code 7326 90 980 7

Fire collar

Ograx-PM

It is designed to prevent the spread of fire through internal communications.

Key performance parameters

It consists of a split metal casing with a lock and an insert made of a thermally expanding material based on in-house oxidized graphite.
Installation with embedding into wall or ceiling is possible.
Collar outside diameter: 22-130 mm.
Height: 20-50 mm.
Pipe diameter: 16-110 mm.
Guaranteed shelf life: 25 years.

Certificate of the Russian Federation.

Countries of export: Ukraine, Republic of Belarus, Republic of Kazakhstan.

SPA UNICHIMTEK JSC



TN VED Code 6815 10 900 9

Flexible fire sleeve

Ograx-PMG

It is designed to prevent the spread of fire through internal communications, walls and ceilings.

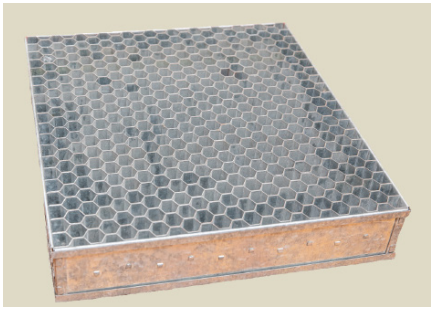
Key performance parameters

Tape cuff made of heat expanding material Ograx-L3 on a refractory silica fabric backing, which, if necessary, is fixed with a wire.
Thickness: 2 mm.
Maximum width: 700 mm.
Length: 10.5 or 15.9 m.
Expansion ratio: at least 1500 %.
Fire-resistance rating: EI 180.
Guaranteed shelf life: 1 year.
Storage and transportation conditions: from -50°C to +60°C.

Certificate of the Russian Federation.

Countries of export: Ukraine, Republic of Belarus, Republic of Kazakhstan.

SPA UNICHIMTEK JSC



TN VED Code 7326 90 980 7

Self-extinguishing device for spills of burning liquids SED

USP-01F1, USP-01F1.1, USP-01F1.2, USP-01F1.3, USP-01F1.4, USP-01F1.5

It is intended for extinguishing spills of flammable liquids (FL) in the areas within the rooms they protect, without the use of fire extinguishing agents, and can be used to ensure fire safety of rooms and structures, where these liquids are located.
SEDs can be used to protect both small areas (0.3 m^2), for example, pits intended for emergency discharge of burning liquids, and large areas.

Key performance parameters

Overall dimensions, mm: not more than 532 x 532 x 134, 201 x 201 x 135, 532 x 532 x 134.
Weight of 1 cell is not more than 30 kg.
The USP-01F1.1 and USP-01F1.5 cases are made of stainless steel. In other versions of SEDs, the casing is made of galvanized steel.
SEDs should be resistant to sinusoidal vibrations in the frequency range of 10-35 Hz, with a displacement amplitude of 0.35 mm.
After these influences, SEDs should not have mechanical damages, and they must retain their appearance. The concentrated load on SEDs should not exceed 150 kg. The afterflame time on the SED surface after the end of the burning liquid spillage - not more than 120 s. SEDs should be resistant to the ambient air temperature in the range of from - 60°C to + 60°C, at normal atmospheric pressure (from 86 kPa to 107 kPa) and the irradiation exposure dose rate of no more than the natural background, while maintaining their appearance.

Certificate of the Russian Federation.

Countries of export: Republic of India, Republic of Belarus, People's Republic of China.

TENZOR JSC



TN VED Code 3824 99 700 0

PLAZAS fire retardant composition

TU 5765-013-70794668-2006

It is designed for mounting (gluing) BFRRM on protected structures.

Key performance parameters

Composition (putty) - non-flammable.
Adhesion strength - 0.3 MPa.

Certificate of the Russian Federation.

Countries of export: Federal Republic of Germany, State of Israel, People's Republic of China, Republic of Kazakhstan, Republic of Belarus.

TIZOL JSC



TN VED Code 7019 90 000 9

Fire-retardant heat expanding pillows

Ograx-OTP-1, Ograx-OTP-2, Ograx-OTP-3

They are designed for making cable passages and barrier systems in order to prevent the spread of fire along cable lines.

Key performance parameters

They represent a cover made of fiberglass, filled with a thermally expanding material, designed for indoor use with air humidity of up to 100%, as well as outdoors at temperatures of from -50°C to +60°C.
Standard sizes:
Ograx-OTP-1 (310 x 200 x 34 mm);
Ograx-OTP-2 (310 x 200 x 25 mm);
Ograx-OTP-3 (310 x 200 x 5 mm).
Guaranteed shelf life: 40 years.

Certificate of the Russian Federation.

Countries of export: Ukraine, Republic of Belarus, Republic of Kazakhstan.

SPA UNICHIMTEK JSC



TN VED Code 6806 10 000 0

Basalt fire-retardant roll material (BFRRM)

TU 23.99.19-025-08621635-2019

They are designed to ensure fire resistance of air ducts, and to increase fire resistance of metal structures.

Key performance parameters

Material - non-combustible.
Thermal conductivity coefficient - 0.035 W/(mK).
Operating temperature - 700°C.
Bulk density - 100 kg/m^3.
Thicknesses: 5; 8; 10; 13; 16; 18; 20; 23; 26 mm.

Certificate of the Russian Federation.

Countries of export: Federal Republic of Germany, State of Israel, People's Republic of China, Republic of Kazakhstan, Republic of Belarus.

TIZOL JSC



TN VED Code 6806 10 000 0

Mineral wool fire-retardant heat- and sound-insulating panels "TIZOL-FLOT Fire"

TU 5762-015-08621635-2011

They are intended for insulation of fireproof steel and aluminum structures of class A-30, A-60, H-60, H-120, B-15 (bulkhead, deck, floating floor, panel).

Key performance parameters

Material - non-combustible.
Thermal conductivity coefficient - 0.035-0.038 W/(mK).
Operating temperature - from 180°C to +700°C.
Bulk density - 100-150 kg/m^3.
Thicknesses - 25-60 mm.

Certificate of the Russian Federation.
EAEU Certificate.

Countries of export: Federal Republic of Germany, Republic of Lithuania, People's Republic of China, Republic of Kazakhstan.

TIZOL JSC



TN VED Code 3824 99 700 0

"PLAZAS" fire retardant composition

TU 5772-014-08621635-2012

It is designed for mounting (gluing) TIZOL-FLOT Fire panels on protected structures (deck, bulkhead).

Key performance parameters

Adhesive non-flammable composition.
Adhesion strength - at least 0.3 MPa.
Density - not more than 1.5 g/cm^3.

Certificate of the Russian Federation.
EAEU Certificate.

Countries of export: Federal Republic of Germany, Republic of Lithuania, People's Republic of China, Republic of Kazakhstan.

TIZOL JSC



TN VED Code 8536 90 010 0

Fire-resistant junction box IP41

KM-O

It is designed to maintain the operability of cable lines of fire safety systems under fire conditions, during the time required to perform their functions, and complete evacuation of people to a safe area.

Key performance parameters

They remain operational when exposed to standard temperature conditions for 120 minutes in accordance with GOST 30247.0-94.
Operating temperature range - from -40°C to +80°C.
Peak voltage - 450 V.
Maximum cross-section of wires clamped in terminals, mm^2: 3.0; 6.0; 10.0.

Certificate of the Russian Federation.

Countries of export: Republic of Kazakhstan, Republic of Belarus, Republic of Finland.

Gefest Holding LLC
FRDE GEFEST LLC
E-Sprinkler



TN VED Code 8536 90 010 0

Fire-resistant junction box IP54

KM-O

It is designed to maintain the operability of cable lines of fire safety systems under fire conditions, during the time required to perform their functions, and complete evacuation of people to a safe area.

Key performance parameters

They remain operational when exposed to standard temperature conditions for 120 minutes in accordance with GOST 30247.0-94.
Operating temperature range - from -40°C to +60°C.
Version with operating temperatures of from -60°C to +130°C is possible.
Peak voltage - 450 V.
Maximum cross-section of wires clamped in terminals, mm^2: 3.0; 6.0; 10.0.

Certificate of the Russian Federation.

Countries of export: Republic of Kazakhstan, Republic of Belarus, Republic of Finland.

Gefest Holding LLC
FRDE GEFEST LLC
E-Sprinkler



TN VED Code 8536 90 010 0

Fire-resistant junction box IP66

KM-O

It is designed to maintain the operability of cable lines of fire safety systems under fire conditions, during the time required to perform their functions, and complete evacuation of people to a safe area.

Key performance parameters

They remain operational when exposed to standard temperature conditions for 120 minutes in accordance with GOST 30247.0-94.
Operating temperature range - from -40°C to +100°C.
Version with operating temperatures of from -60°C to +130°C is possible.
Peak voltage - 450 V.
Maximum cross-section of wires clamped in terminals, mm^2: 3.0; 6.0; 10.0.

Certificate of the Russian Federation.

Countries of export: Republic of Kazakhstan, Republic of Belarus, Republic of Finland.

Gefest Holding LLC
FRDE GEFEST LLC
E-Sprinkler



TN VED Code 3824 99 700 0

Biopiren® (fire retardant preservative) for fabrics "NORTEX®- S"

"NORTEX®- S"

Designed for fire-retardant processing of mixed textile materials made of natural, artificial, synthetic fibers and threads (with a content of synthetic materials no more than 70%), plain and with a pattern. In some cases, it provides fire protection for 100% synthetic fabrics (depending on the type of synthetic fiber).

Key performance parameters

Obtaining low-flammable fabrics according to GOST R 50810; fabrics with moderate smoke-generating ability D2 in accordance with GOST 12.1.044; fabrics with moderately hazardous toxicity of combustion products T2 according to GOST 12.1.044; fabrics that are not flammable in accordance with GOST R 53294, at a composition consumption of 150–350 g/m^2.

Certificate of the Russian Federation.
Certificate of the Republic of Belarus.

Countries of export: Republic of Belarus, Republic of Kazakhstan, Kyrgyz Republic, Republic of Uzbekistan.

SPA NORT LLC



TN VED Code 3824 99 700 0

Biopiren® (fire retardant preservative) for wood "Pirilax®" – Lux

"Pirilax®" – Lux

It is designed for surface impregnation of wood and materials based on it in order to reduce flammability and also impart antiseptic properties to them. It protects against damage by mold and wood-staining fungi, wood-boring beetles, termites, and heals previously affected wood. It possesses multiply enhanced antiseptic properties. It is recommended for severe environments.

Key performance parameters

Highly effective preservative according to GOST 30028.4 at a consumption rate of 100 g/m^2:

- the first and second groups of fire retardant efficiency according to GOST R 53292 at a consumption rate of 280 g/m^2 and 180 g/m^2, respectively;
- fire hazard class of building materials KM1 (fire hazard indicators G1, RP1, B1, D2, T2) at a consumption rate of 400 g/m^2:
- a group of low-combustible materials according to GOST 12.1.044 at a consumption rate of 400 g/m^2;
- fire hazard class K0 (15) of building structures at a consumption rate of 400 g/m^2.

Certificate of the Russian Federation.
Certificate of the Republic of Belarus.

Countries of export: Republic of Belarus, Georgia, Republic of Kazakhstan, Kyrgyz Republic, Republic of Uzbekistan.

SPA NORT LLC



TN VED Code 3824 99 700 0

Biopiren® (fire retardant antiseptic) for carpeting "NORTEX®- KP"

"NORTEX®- KP"

It is designed for fire-retardant treatment of carpets with polyamide pile (100% PA), polyacrylonitrile pile (100% PAN) and half-woolen pile (80% wool, 20% PA), used inside all types of buildings.

Key performance parameters

Fire hazard class of building materials KM2 (fire hazard indices RP1, B2, D2, T2) at a consumption rate of 1.0-3.0 kg/m^2 (depending on the density and height of the carpeting pile).

Certificate of the Russian Federation.

Countries of export: Republic of Kazakhstan, Republic of Uzbekistan.

SPA NORT LLC



TN VED Code 3824 99 700 0

Biopiren® (fire retardant antiseptic) for wood "Pirilax®"

"Pirilax®" - Classic

It is designed for surface impregnation of wood and materials based on it in order to reduce flammability and also impart antiseptic properties to them. It protects against damage by mold and wood-staining fungi, wood-boring beetles, and heals previously affected wood.

Key performance parameters

Highly effective preservative according to GOST 30028.4 at a consumption rate of 100 g/m^2:

- the first and second groups of fire retardant efficiency according to GOST R 53292 at a consumption rate of 280 g/m^2 and 180 g/m^2, respectively;
- fire hazard class of building materials KM1 (fire hazard indicators G1, RP1, B1, D2, T2) at a consumption rate of 400 g/m2:
- a group of low-combustible materials according to GOST 12.1.044 at a consumption rate of 400 g/m^2;
- fire hazard class K0(15) of building structures at a consumption rate of 400 g/m^2.

Certificate of the Russian Federation.
Certificate of the Republic of Belarus.

Countries of export: Republic of Belarus, Georgia, Republic of Kazakhstan, Kyrgyz Republic, Republic of Uzbekistan.

SPA NORT LLC



TN VED Code 3209 10 000 9

Water-dispersion paint "Nortovskaya® interior paint" (snow-white)

"Nortovskaya® interior paint"

Water-dispersible acrylic fireproof paint for finishing and protecting concrete, stone, brick, plaster, wood, plastered or previously painted surfaces inside buildings and structures.

Key performance parameters

The fire hazard class of the coating on a non-flammable base is KM1 (indices G1, B1, D1, T1), consumption for a single-layer application is 120 g/m^2.

Certificate of the Russian Federation.

Countries of export: Republic of India, Republic of Kazakhstan.

SPA NORT LLC



TN VED Code 3824 99 700 0

Biopiren® (fire retardant preservative) for wood "Pirilax®" - Terma

"Pirilax®" - Terma

It is designed for surface impregnation of wood and materials based on it in order to reduce flammability and also impart antiseptic properties to them. It protects against damage by mold and wood-staining fungi, wood-boring beetles, and heals previously affected wood. It is used for treatment of external and internal surfaces of baths and saunas.

Key performance parameters

Highly effective preservative according to GOST 30028.4 at a consumption rate of 100 g/m^2:

- the first and second groups of fire retardant efficiency according to GOST R 53292 at a consumption rate of 280 g/m^2 and 180 g/m^2, respectively;
- fire hazard class of building materials KM1 (fire hazard indicators G1, RP1, B1, D2, T2) at a consumption rate of 400 g/m2:
- a group of low-combustible materials according to GOST 12.1.044 at a consumption rate of 400 g/m^2.

Certificate of the Russian Federation.

Countries of export: Republic of Belarus, Georgia, Republic of Kazakhstan, Kyrgyz Republic, Republic of Uzbekistan.

SPA NORT LLC



TN VED Code 3824 99 700 0

"Metalax®" fire retardant composition for steel structures

"Metalax®"

It is intended for application to steel building structures, operated inside and outside facilities, to increase the fire resistance rating of structures. For treatment of surfaces subject to washout, the composition is used in combination with a protective coating. It is recommended to use the protective and decorative composition "KRASULA" for fire retardant coatings.

Key performance parameters

Fire retardant efficiency according to GOST R 53295 (groups 2–7) while ensuring consumption rate according to the manufacturer's instructions.

Certificate of the Russian Federation.

Countries of export: Republic of Kazakhstan, Kyrgyz Republic, Republic of Uzbekistan.

SPA NORT LLC



TN VED Code 3824 99 700 0

Fire retardant system: “Pirilax®"-K45 (two-component) and "Krasula®" for fire retardant coatings

"Pirilax®"-K45 and "Krasula®" for fire retardant coatings

It is designed for treatment of wood and materials based on it in order to ensure compliance with the fire hazard class for building structures K0(45), K0(30) and K0(15). The fire retardant system is a system consisting of a coating based on the "Pirilax"-K45 fire retardant compound (two-component) and the "KRASULA" protective and decorative compound for fire retardant coatings.

Key performance parameters

Fire hazard class K0(45) of building structures at a consumption rate of "Pirilax"-K45 of 1300 g/m^2 and a consumption rate of "KRASULA" for fire retardant coatings of 150 g/m^2.
Fire hazard class K0(30) of building structures at a consumption rate of "Pirilax"-K45 of 800 g/m^2 and a consumption rate of "KRASULA" for fire retardant coatings of 150 g/m^2.
Fire hazard class K0(15) of building structures at a consumption rate of "Pirilax"-K45 of 400 g/m^2 and a consumption rate of "KRASULA" for fire retardant coatings of 150 g/m^2.

Certificate of the Russian Federation.

Countries of export: Republic of Kazakhstan.

SPA NORT LLC



TN VED Code 3824 99 700 0

Biopiren® (fire retardant preservative) for wood "Pirilax®" - Prime

"Pirilax®" - Prime

It is designed for surface impregnation of wood and materials based on it in order to impart fire retardant and antiseptic properties to them. It destroys mold and wood-coloring fungi, and prevents their occurrence. It ensures protection against wood-boring beetles. To ensure the first and second groups of fire retardant efficiency, it shall be used in combination with the protective and decorative composition "KRASULA®".

Key performance parameters

Highly effective preservative according to GOST 30028.4 at a consumption rate of 200 g/m^2:

- the first group of fire retardant efficiency according to GOST R 53292 at a consumption rate of the "KRASULA" composition of 300 g/m^2 and 150 g/m^2;
- the second group of fire retardant efficiency according to GOST R 53292 at a flow rate of 200 g/m^2 and 150 g/m^2, respectively;

Certificate of the Russian Federation.

Countries of export: Republic of Kazakhstan.

SPA NORT LLC



TN VED Code 3824 99 700 0

Biopiren® (fire retardant preservative) for wood "OZON®-007"

"OZON®-007"

It is designed for surface impregnation of wood in order to reduce its flammability. It increases the antiseptic properties of treated wood. It is used for treatment of attics, rafters, battens, beams and other structures made of wood and materials based on it, inside heated and unheated rooms.
It is available in the form of a ready-made composition and a paste-like concentrate.

Key performance parameters

The first group of fire retardant efficiency according to GOST R 53292 at a consumption rate of the ready composition of 300 g/m^2.
The second group of fire retardant efficiency according to GOST R 53292 at a consumption rate of the ready composition of 200 g/m^2.

Certificate of the Russian Federation.

Countries of export: Republic of Uzbekistan.

SPA NORT LLC



TN VED Code 3824 99 700 0

Biopiren® (fire retardant preservative) for wood "MIG®-09”

"MIG®-09"

It is designed for surface impregnation of wood in order to reduce its flammability. It increases the antiseptic properties of treated wood. It is used for treatment of attics, rafters, battens, beams and other structures made of wood and materials based on it, inside heated and unheated rooms.
It is available in the form of a ready-made composition and a dry concentrate.

Key performance parameters

The first group of fire retardant efficiency according to GOST R 53292 at a consumption rate of the ready composition of 600 g/m^2 (100 g/m^2 of concentrate).
The second group of fire retardant efficiency according to GOST R 53292 at a consumption rate of the ready composition of 300 g/m^2 (50 g/m^2 of concentrate).

Certificate of the Russian Federation.
Certificate of the Republic of Belarus.

Countries of export: Republic of Belarus, Georgia, Republic of Kazakhstan, Kyrgyz Republic, Republic of Uzbekistan.

SPA NORT LLC



TN VED Code 3824 99 700 0

Biopiren® (fire retardant preservative) for fabrics "NORTEX®- X”

"NORTEX®- X"

It is designed for fire-retardant processing of textile materials made of viscose, cotton, linen, silk fibers with a content of synthetic materials not exceeding 10%, plain and with a pattern, and for impregnating cardboard and paper.

Key performance parameters

Obtaining low-flammable fabrics according to GOST R 50810; fabrics with moderate smoke-generating ability D2 in accordance with GOST 12.1.044; fabrics with moderately hazardous toxicity of combustion products T2 according to GOST 12.1.044; fabrics that are not flammable in accordance with GOST R 53294, at a composition consumption of 100–230 g/m^2.

Certificate of the Russian Federation.

Countries of export: Republic of Uzbekistan.

SPA NORT LLC



TN VED Code 4418 20 800 0

Wooden soundproof fire door "NORT"

It is intended for installation inside specialized premises requiring protection from the effects of fire factors and/or improved protection against noise. It is used to fill openings of fire barriers inside residential, industrial, administrative, general educational, preschool and other types of buildings according to the requirements of regulatory documents.

Key performance parameters

Fire-resistance rating: EI30/EIS30, EI60/EIS60 (min), sound absorption: 37 dB/43 dB.

Design versions:
- unglazed and glazed;
- single-leaved and two-leaved;
- flush and paneled doors

Finishing styles:
- PVC film;
- natural wood veneer;
- RAL scale coating;
- plastics;
- veneer;
- kerlite;
- steel.

Certificate of the Russian Federation.
Certificate of Conformity of the Republic of Uzbekistan.

Countries of export: Republic of Kazakhstan, Georgia, Republic of Bulgaria.

SPA NORT LLC



TN VED Code 8302 60 000 9

Innovative fireproof door

"DOM-01MDA-90"

It is designed to fill openings in fire barriers, and to be used in escape routes in structures, where a large number of people may stay. It is designed to ensure evacuation in emergency situations.

Key performance parameters

The "DOM-01MDA-90" fireproof door is designed to fill openings in fire barriers, and to be used in escape routes in structures, where a large number of people may stay. It was designed taking into account the provision of evacuation in emergency situations (terrorist attack, high gas content, fire, earthquake, etc.)

Benefits:

- in the absence of fire, the door operates in a restricted controlled access mode;
- in a state of fire, it automatically opens when evacuees approach, and automatically closes after they pass;
- the installed sound and light alarms highlight the escape route;
- standby power source allows it remain operational when centralized power supply is interrupted.

Certificate of the Russian Federation.
EAEU Certificate.

Countries of export: Republic of Poland, Italian Republic, Republic of Austria.

Krilak Association SPA



TN VED Code 3824 99 700 0

DECOTERM

Single-component intumescent-type water-based acrylic paint

It is designed to improve fire resistance of structures.

Certificate of the Russian Federation.

Countries of export: Republic of Belarus, Republic of Uzbekistan.

DEKO LLC



TN VED Code 3824 99 700 0

DEKOTERM-BETON

Single-component intumescent-type water-based system for application to load-bearing and building envelope concrete and reinforced concrete structures

It is designed to improve fire resistance of structures.

Certificate of the Russian Federation.

Countries of export: Republic of Belarus, Republic of Uzbekistan.

DEKO LLC



TN VED Code 3824 99 700 0

DECOTERM-R

Single-component intumescent-type paint based on an organic solvent

It is designed to improve fire resistance of structures.

Certificate of the Russian Federation.

Countries of export: Republic of Belarus, Republic of Uzbekistan.

DEKO LLC



TN VED Code 3824 99 700 0

DEKOTERM-KOP

Flame-retardant single-component thick-layer structural coating based on a combination of thermally insulating and intumescent systems

It is designed to improve fire resistance of structures.

Certificate of the Russian Federation.

Countries of export: Republic of Belarus, Republic of Uzbekistan.

DEKO LLC



TN VED Code 3824 99 700 0

DEKOTERM-EPOXY

Weatherproof two-component anti-corrosion flame retardant coating with an epoxy base

It is designed to improve fire resistance of structures.

Certificate of the Russian Federation.

Countries of export: Republic of Belarus, Republic of Uzbekistan.

DEKO LLC



TN VED Code 3824 99 700 0

DEKOTERM-KHROM-R

Single-component intumescent-type paint based on an organic solvent

It is designed to improve fire resistance of structures.

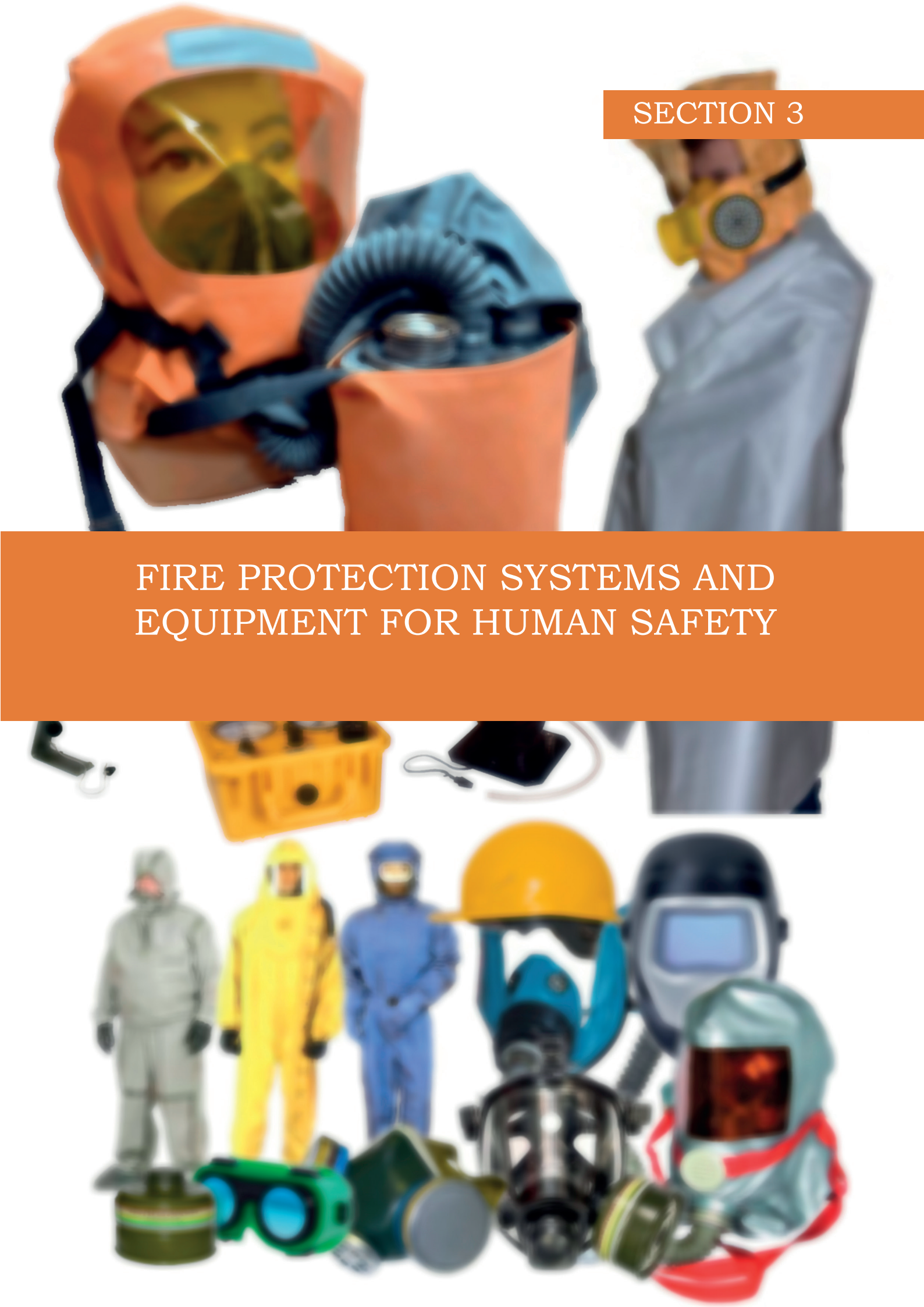
Certificate of the Russian Federation.

Countries of export: Republic of Belarus, Republic of Uzbekistan.

DEKO LLC

SECTION 3

FIRE PROTECTION SYSTEMS AND EQUIPMENT FOR HUMAN SAFETY





TN VED Code 9020 00 00

"AP OMEGA" breathing apparatus

It is designed to protect human respiratory system and eyes from the harmful effects of a toxic and smoky gas environment when extinguishing fires and performing rescue operations in buildings, structures and industrial facilities.

The apparatus is operational at the cylinder air pressure of from 294 to 10 bar. During breathing, an excess pressure is constantly maintained in the undermask space of the apparatus front part with a pulmonary ventilation of up to 100 l/min. The device protective action time depends on the capacity and number of cylinders used in the device, and ranges from 60 to 120 minutes.
Depending on the version and scope of supply, the apparatus weight ranges from 10.5 to 17.5 kg.
Overall dimensions - not more than 690 x 330 x 220 mm.

Certificate of the Russian Federation.

Countries of export: the products will be supplied to the countries of Southeast Asia, the Middle East and the Republic of India.

KAMPO JSC



TN VED Code 7311 00 100 0

"Kaskad" air supply station

The station is intended for storage, transportation and supply of compressed air to humans for breathing in a toxic and smoky gas environment unsuitable for breathing when performing rescue and process operations in gas, chemical, petrochemical, metallurgical industries, and in utility services.

The station is operational at the air pressure in cylinders versus the operating one of up to 10 bar for three users and up to 30 bar for five users. Up to five users can be connected to the station simultaneously (four workers and one station operator).
Complete station weight:

- with two cylinders and one reel - 65 kg max;
- with two cylinders and two reels - 95 kg max;
- with four cylinders and two reels - 125 kg max;

Station overall dimensions - not more than 1300 x 610 x 900 mm.

Certificate of the Russian Federation.

Countries of export: the products will be supplied to the countries of Southeast Asia, the Middle East and the Republic of India.

KAMPO JSC



TN VED Code 9031 20 000 0

"KU-9V" testing device

It is designed to check the main operational parameters of compressed air breathing apparatus for compliance with requirements.

The device allows checking the main operational parameters of breathing apparatus, namely:
devices with excess pressure under the facepiece:

- tightness of the breathing apparatus air duct system;
- excess pressure in the facepiece undermask space;
- reduced pressure;
- opening pressure of the reducer safety valve (for AIR-98MI and AIR-300SV apparatus);

devices without excess pressure under the facepiece:

- tightness of the lung demand valve at excess pressure and vacuum gage pressure;
- valve opening pressure of the lung demand valve;
- opening pressure of the facepiece exhalation valve.

Certificate of the Russian Federation.

Countries of export: the products will be supplied to the countries of Southeast Asia, the Middle East and the Republic of India.

KAMPO JSC



TN VED Code 8414 80 510 0

"KDE" electric booster compressor

It is designed for pumping oxygen from transport cylinders into small-displacement cylinders requiring additional compression.

Depending on the compression pressure, the compressor is available in three versions:

- version 1 - from 50 to 150 bar;
- version 2 - from 70 to 200 bar;
- version 3 - from 85 to 250 bar;

The time for filling one two-liter cylinder to design pressure - 7 min max.
Electric drive power consumption - not more than 1.5 kW.
Compressor power supply:

- three-phase voltage - 380 V;
- frequency - 50 Hz.

Certificate of the Russian Federation.

Countries of export: the products will be supplied to the countries of Southeast Asia, the Middle East and the Republic of India.

KAMPO JSC



TN VED Code 9020 00 00

"ADA-2" personal self-contained self-rescuer

It is designed to protect the human respiratory system and eyes in a gas environment unsuitable for breathing during evacuation from buildings and structures, industrial facilities, and is intended for an untrained user.

The self-rescuer provides respiratory protection for:
- pulmonary ventilation of from 35 to 50 l/min;
- ambient temperature of from -40°C to +60°C;
- cylinder air pressure of from 294 to 10 bar.

The self-rescuer rated protective time - at least 15 minutes.
The self-rescuer remains operational for two years in a standby mode without recharging.
The self-rescuer can withstand exposure to a naked flame with a temperature of (800 ± 50)°C for (5.0 ± 0.2)s.

Certificate of the Russian Federation.

Countries of export: the products will be supplied to the countries of Southeast Asia, the Middle East and the Republic of India.

KAMPO JSC



TN VED Code 9020 00 00

"ADA-PRO" personal self-contained self-rescuer

It is designed for personal protection of the respiratory system and eyes from toxic combustion products during evacuation from premises in case of fire (accident), and is intended for a trained user.

The self-rescuer is operational at:
- cylinder air pressure of from 294 to 10 bar at +20°C;
- air pressure in the cylinder increased up to 323 bar at the maximum increased operating temperature of +60°C;
- ambient temperature of from - 40°C to +60°C and relative humidity of up to 95% (at a temperature of +25°C).

The self-rescuer remains operational for two years in a standby mode without recharging.
Self-rescuer protective time - at least 20 min. The self-rescuer mask has one size and completely covers user's nose, mouth and eyes.
The self-rescuer can withstand exposure to a naked flame with a temperature of (800°C for 5.0 s.
The self-rescuer can withstand exposure to thermal load with a density of 8.5 kW/m^2 for 3.0 minutes.
Weight of complete self-rescuer without bag - 7 kg max.

Certificate of the Russian Federation.

Countries of export: the products will be supplied to the countries of Southeast Asia, the Middle East and the Republic of India.

KAMPO JSC



TN VED Code 9020 00 00

"Vektor" hose breathing apparatus

It is designed to protect human respiratory system and eyes from the harmful effects of a toxic or smoky gas environment unsuitable for breathing when performing work in buildings, structures and production facilities of various industries, and to carry out rescue operations.

The main mode of using the apparatus - hose. An emergency mode is provided (powered by the device cylinder) when the air supply through the hose is cut off.

The apparatus is operational when air is supplied from:

- "Kaskad" air supply station;
- transportation cylinders with breathable air when using the VDS 232/25-1 reducer, adjusted to a pressure of 4.5 to 9 bar;
- stationary technical system with air pressure of from 4.5 to 9 bar;
- in the mode of operation with an emergency air supply, the device is operable at the cylinder pressure of from 245 to 10 bar or from 294 to 10 bar, depending on the type of cylinder.

Certificate of the Russian Federation.

Countries of export: the products will be supplied to the countries of Southeast Asia, the Middle East and the Republic of India.

KAMPO JSC



TN VED Code 9020 00 000 0

Self-contained self-rescuer

SIP-1M

It is intended for protection of respiratory organs, face, eyes and head against negative impact of toxic combustion products during evacuation in case of fire or during other emergency situations.

Key performance parameters

1. Protective time when performing medium physical activities, min, not less than 20.
2. Protective time at rest and waiting for help, min, not less than 60.
3. Resistance to breathing during inhalation and exhalation with pulmonary ventilation, Pa (mm w.g.) not more than 35 dm^3/min 800.
4. Device working part weight, kg, not more than 1.3.
5. Self-rescuer overall dimensions:
   - in box, mm, max - 206 x 154 x 133;
   - in bag - 180 x 160 x 130.
6. Device guaranteed shelf life (in package) is 5 years.
7. Packaging: box of 10 pcs each.
8. Advantages:
   - universal protection against any harmful impurities in the air, regardless of their concentration and composition, and in the conditions of oxygen deficiency in the environment, at temperatures of from -35°C to +60°C;
   - the self-rescuer is equipped with a hood complete with a wide eyeglass;
   - user-friendly operation, quick actuation in 15 s;
   - one universal size;
   - ideal for people with a beard, long hair and voluminous hairstyle;
   - the self-rescuer is placed in a cardboard box or a handy carrying bag including all the information about actuation procedure.

Certificate of the Russian Federation.

Countries of export: Republic of Belarus, Republic of Kazakhstan, Republic of Azerbaijan.

Tambovmash JSC



TN VED Code 9020 00 000 0

Self-contained self-rescuer

PDU-5

It is designed to protect human respiratory system, eyes, face and head skin from exposure to harmful gaseous, vaporous substances and aerosols (including protection from hydrogen sulfide and ammonia) during emergency and routine work in an atmosphere unsuitable for breathing, and when the oxygen content is low or is unavailable.

Key performance parameters

1. Breathing resistance, Pa (mm w.g.) not more than 1470 (150).
2. Protective time, min:
   - at high physical activity (running) - 7;
   - at medium physical activity - 20;
   - at rest (awaiting help) - 75.
3. Operating temperature range, °C - from -35 to +60.
4. Guaranteed shelf life - 5.5 years max.
5. Guaranteed service life - 5 years max.
6. Self-rescuer donning time and activating time - not more than 15 s.

Certificate of the Russian Federation.

Countries of export: Republic of Kazakhstan, Republic of Uzbekistan, Republic of Belarus, Kingdom of Spain.

Tambovmash JSC



TN VED Code 9020 00 000 0

Insulating self-rescuer for general and special purposes

SIP-3

It is intended for protection of respiratory organs, face, eyes and head against negative impact of toxic combustion products during evacuation in case of fire or during other emergency situations.

Key performance parameters

1. Application temperature range - from -35°C to +60°C.
2. Working section weight, max, kg - 2.0.
3. Product donning time and activating time:
   - when performing actions (s), max - 15 URV;
   - at rest (minutes), min - 165 URV;
   - at medium physical activity (minutes), min - 55 URV;
   - at high physical activity (minutes), min - 16.5 URV.
4. Individual packaging options: box / bag / case for stationary attachment.

Certificate of the Russian Federation.

Tambovmash JSC



TN VED Code 9020 00 000 0

Self-rescuer

ZEVS-U

It is intended for protection of respiratory system, eyes, and head skin of adults and children over 12 years old from toxic combustion products including carbon monoxide, hazardous chemical substances (HCS) and aerosols generated in case of fire and other man-made emergencies.

Key performance parameters

Operation conditions:
The product can be used when the oxygen content in the air is not less than 17% and the temperature is from 0 to +60°C to protect against toxic combustion products.

It retains its protective properties after exposure to temperature of +200°C for 1 minute and short-term influence of the open flame with a temperature of +800 ± 50°C for 5 seconds.

It ensures protection:
1. for 30 minutes during evacuation from premises in case of fire;
2. for 30 minutes during evacuation from an emergency area at industrial enterprises.

Composition:
- protective hood with a visor, adjustable headband and elastic neck seal;
- inner mask complete with exhalation valve;
- rubber connecting tube;
- filtering absorbing box;
- barrier bag inserted in the bag.

EAEU Certificate.

Countries of export: Republic of Poland, Malaysia, Democratic Socialist Republic of Sri Lanka.

Tambovmash JSC



TN VED Code 5907 00 000 0

MANTOS self-rescuing gel-based extinguishing cape

Mantos-M102

It is intended for extinguishing incipient fires of classes A and B, and for extinguishing burning clothes on the human body at home, in restaurants, cafes, in crowded areas and industrial institutions.
MANTOS self-rescuing gel-based extinguishing cape is a refractory cloth impregnated with a special fire extinguishing gel. The fire extinguishing gel consists of an active flame retardant and special heat absorbers.

Key performance parameters

Blanket dimensions - 1200 x 1800 mm.

Resistance to contact with surfaces heated to 500°C, min. - 30 sec.
Purpose - extinguishing fire seats of classes A, B.
Extinguishing clothes on human body.
Personal protection during evacuation from burning premises.
Protection against fires in crowded areas.
Shelf life - 2 years.

Certificate of the Russian Federation.

Countries of export: Republic of Korea, People's Republic of China, Taiwan, Arab Republic of Egypt, United Arab Emirates, Kingdom of Saudi Arabia, Republic of Latvia, Republic of Bulgaria, Republic of Serbia, Republic of Belarus, Republic of Kazakhstan.

PiroKhimika LLC



TN VED Code 8424 10 000 0

MANTOS self-rescuing gel-based extinguishing cape

Mantos-M10

It is intended for extinguishing incipient fires of classes A and B, and for extinguishing burning clothes on the human body at home, in restaurants, cafes, in crowded areas and industrial institutions.
MANTOS self-rescuing gel-based extinguishing cape is a refractory cloth impregnated with a special fire extinguishing gel. The fire extinguishing gel consists of an active flame retardant and special heat absorbers.

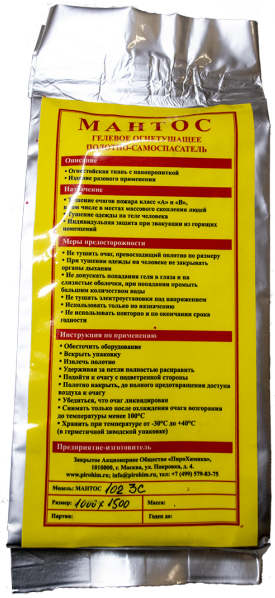
Key performance parameters

Blanket dimensions - 1000 x 1000 mm.
Resistance to contact with surfaces heated to 500°C, min. - 30 sec.
Purpose - extinguishing fire seats of classes A, B.
Extinguishing clothes on human body.
Personal protection during evacuation from burning premises.
Protection against fires in crowded areas.
Shelf life - 2 years.

Certificate of the Russian Federation.

Countries of export: Republic of Korea, People's Republic of China, Taiwan, Arab Republic of Egypt, United Arab Emirates, Kingdom of Saudi Arabia, Republic of Latvia, Republic of Bulgaria, Republic of Serbia, Republic of Belarus, Republic of Kazakhstan.

PiroKhimika LLC



TN VED Code 5907 00 000 0

MANTOS self-rescuing gel-based extinguishing cape

Mantos-M102 3S

It is intended for extinguishing incipient fires of classes A and B, and for extinguishing burning clothes on the human body at home, in restaurants, cafes, in crowded areas and industrial institutions.
MANTOS self-rescuing gel-based extinguishing cape is a refractory cloth impregnated with a special fire extinguishing gel. The fire extinguishing gel consists of an active flame retardant and special heat absorbers.

Key performance parameters

Blanket dimensions - 1500 x 2000 mm.
Resistance to contact with surfaces heated to 500°C, min. - 30 sec.
Purpose - extinguishing fire seats of classes A, B.
Extinguishing clothes on human body.
Personal protection during evacuation from burning premises.
Protection against fires in crowded areas.
Shelf life - 2 years.

Certificate of the Russian Federation.

Countries of export: Republic of Korea, People's Republic of China, Taiwan, Arab Republic of Egypt, United Arab Emirates, Kingdom of Saudi Arabia, Republic of Latvia, Republic of Bulgaria, Republic of Serbia, Republic of Belarus, Republic of Kazakhstan.

PiroKhimika LLC

Breathing apparatus with compressed air for firefighters

PTS "Profi"-M

It is designed to ensure personal protection of human respiratory system and eyes from the harmful effects of a toxic or smoky gas environment unsuitable for breathing when extinguishing fires and performing rescue operations in buildings, structures and production facilities of various sectors of national economy in the range of ambient temperatures of from -40°C to +60°C.

Key performance parameters

Number of cylinders - from 1 to 2 pcs.
Cylinder capacity - from 4 to 10 L.
Cylinder operating pressure - 30 MPa.
Apparatus protective time at pulmonary ventilation of 30 dm^3/min and an ambient temperature of 25°C - from 60 to 120 minutes.
Overall dimensions,mm, max - 695 x 320 x 290 mm.
Complete apparatus weight, max - from 10.5 to 17.8 kg.
Service life, min - 10 years.

Certificate of the Russian Federation.

Countries of export: Republic of Kazakhstan, Republic of Armenia, Ukraine, Republic of Uzbekistan, Socialist Republic of Vietnam.

PTS JSC



TN VED Code 9020 00 000 0



TN VED Code 6211 33 100 0

Heat-resistant suit from special polymer materials

TASK, TASK-M, TASK-MT

It is designed to protect the personnel of the fire-fighting and emergency rescue services of the EMERCOM of Russia from corrosive environments, increased thermal effects and unfavorable climatic conditions that occur when extinguishing fires, conducting reconnaissance and rescuing people in case of accidents at chemically hazardous facilities.

Key performance parameters

Temperature range, allowable for kit application - from -40°C to +150°C.
Suit weight, max - 11 kg.
Resistance to corrosive media:
chemically aggressive liquids - from 90 to 5 min;
physically aggressive liquids - from 20 to 10 min;
chemically aggressive gases - from 60 to 30 min;
physiologically active substances - from 90 to 5 min.

Certificate of the Russian Federation.
EAEU Certificate.

Countries of export: Republic of Belarus, Republic of Kazakhstan, Socialist Republic of Vietnam.

PTS JSC



TN VED Code 8414 80 510 0

High pressure air compressor

PTS "Vector"

It is designed to fill breathing apparatus cylinders with compressed air up to working pressure.

Key performance parameters

Performance - from 100 to 700 l/min.
Operating pressure - from 30 to 45 MPa.
Number of charging points - from 1 to 4 pcs.
Engine type - electric or gasoline.
Weight, max - from 50 to 470 kg.
Service life - at least 10 years.

Certificate of the Russian Federation.
EAEU Certificate.

Countries of export: Republic of Belarus, Republic of Kazakhstan, Republic of Armenia, Ukraine, Republic of Azerbaijan, Republic of Uzbekistan.

PTS JSC

Unit for hydrostatic testing of cylinders

PTS "Cyclone"

It is designed for hydrostatic testing of small-capacity cylinders for breathing apparatus and compressed air self-rescuers.

Key performance parameters

Power supply - 220 V.
Operating pressure - 450 MPa.
Weight, max - 420 kg.
Service life, min - 10 years.

EAEU Certificate.

Countries of export: Republic of Kazakhstan.

PTS JSC



TN VED Code 9031 20 000 0



TN VED Code 9031 20 000 0

Breathing apparatus control system

SKAD-1

It is designed for testing the apparatus with compressed air of various types, as well as their face-pieces to comply with the requirements stipulated in the breathing apparatus operation manuals.

Key performance parameters

Measurement range of gauge and vacuum pressures - from minus 1250 Pa to 1250 Pa.
Reduced pressure measuring range - 0 to 2 MPa.
Weight, max - 5 kg.
Service life, min - 10 years.

Certificate of the Russian Federation.
EAEU Certificate.

Countries of export: Republic of Belarus, Republic of Kazakhstan, Republic of Azerbaijan.

PTS JSC



TN VED Code 9031 20 000 0

Compressed air quality tester

"PTS Test-Komplekt"

It is designed to check the quality of air charged in the cylinders of breathing apparatus by means of high pressure compressor units.

Key performance parameters

Maximum pressure at the pressure reducer inlet - 30 MPa. Weight, max - 4 kg.
Service life, min - 10 years.

EAEU Certificate.

Countries of export: Republic of Belarus, Republic of Kazakhstan, Republic of Uzbekistan.

PTS JSC



TN VED Code 9020 00 000 0

Filtering self-rescuer "Gas and smoke protection system GDZK-EN"

Multi-purpose, filtering, GDZK-EN

It is designed for personal protection of respiratory system, eyes and head skin of humans over the age of 12 years or having a neck size of more than 3.0 dm, from combustion products - aerosols (fumes), vapors and gases, organic, inorganic acidic, inorganic basic substances, including carbon monoxide generated during fires, as well as vapors and aerosols formed by inhalation accidentally chemically hazardous substances (IACHS), radioactive dust and bacterial aerosols.

It ensures time of protective action against the specified groups of substances - at least 30 minutes.
GDZK-EN can be used by people with mustaches, beards, voluminous hairstyle, and those wearing glasses.
GDZK-EN has a hood of one (universal) size, which completely covers a human's head. It provides an opportunity for people to talk.

Key performance parameters

Working section weight - not more than 800 g.
The hood visor provides a viewing field area of the viewing field area without the hood of at least 70 %.
Donning time and activating time - not more than 60 s.
Resistance to breathing at an air flow rate of 95 dm^3/min during inhalation/exhalation - not more than 800/300 Pa.
Oil mist permeability index - not more than 0.01%.
Oil mist inward leakage coefficient into the breathing area and into the eye area - not more than 1.0%.
Carbon dioxide content in the inhaled air - not more than 2.0%.
Application at ambient temperature range:

- protection against combustion products from 0°C to +60°C;
- protection against IACHS from -20°C to +40°C.

It remains operational after the exposure:
t = 50 ± 3°C / t = -50 ± 3°C / t = 35 ± 2°C and
φ = 90 ± 5% 24 ± 1 h /4 ± 0.1 h / 24 ± 1 h.
It remains operational after exposure to an environment with a temperature of 200°C for 60 ± 5 s
It remains operational after exposure to a temperature of 800°C ±50°C for 5.0 ± 0.2 s
It remains operational after exposure to a thermal load with a density of 8.5 ± 0.5 kW/m^2 for 3.0 ± 0.1 min.
Protective time according for test substances (at concentration), min

- carbon monoxide (4375 ± 125 mg/m^3) 30 min;
- hydrogen chloride (1000 ± 100 mg/m^3) 30 min;
- hydrogen cyanide (400 ± 40 mg/m^3) 30 min;
- acrolein (100 ± 10 mg/m^3) 30 min;
- cyclohexane (1000 ± 100 mg/m^3) 30 min;
- chlorine (3000 ± 100 mg/m^3) 30 min;
- hydrogen sulfide (1400 ± 100 mg/m^3) 30 min;
- sulfur dioxide (2700 ± 100 mg/m^3) 30 min;
- ammonia (700 ± 100 mg/m^3) 30 min;
- nitrogen oxides (3100 ± 100 mg/m^3) 30 min.

Certificate of the Russian Federation.
EAEU Certificate.

"EHMZ named after N.D. Zelinsky" OJSC



TN VED Code 9020 00 000 0

"Shans"-E multipurpose filtering small-sized self-rescuer MFSSR complete with a half mask (basic model)

"Shans"-E basic model

It is designed for personal protection of the respiratory system and eyes of humans from toxic combustion products (including carbon monoxide) during evacuation from smoky premises in case of fire, and from other hazardous chemicals in case of man-made emergencies and terrorist acts.

Key performance parameters

Respiratory protection from toxic combustion products, aerosols and hazardous chemicals of groups A, AX, B, E, K, SX (CO), P2, acrolein, hydrogen chloride for at least 30-35 min, the protection factor is at least 50. Resistance to naked flame of 800°C for 5 sec.

Certificate of the Republic of Belarus.

Countries of export: Republic of Belarus.

RPC Pozhkhimzashchita LLC



TN VED Code 9020 00 000 0

SPP-4 special filtering self-rescuer

special, filtering, SPP-4

It is a personal respiratory protective equipment to protect against the harmful effects of carbon monoxide and aerosols (dust, smoke, soot) when leaving gassy areas to a fresh ventilation stream or to the surface, or to the points switching to backup self-rescuers.

The SPP-4 self-rescuer is a single-action device.

Key performance parameters

Self-rescuer weight: 1100 g.
Overall dimensions: 135 x 85 x 130 mm.
Resistance to a constant air flow during charging at a speed of 30 l/min, max: during inhalation 246 (25) Pa (mm w.g.) / during exhalation - 128 (13) Pa (mm w.g.).
Resistance to a constant air flow during operation at a speed of 30 l/min, max: during inhalation 294 (30) Pa (mm w.g.) / during exhalation - 128 (13) Pa (mm w.g.).
It is used at an air temperature of from +2°C to 50°C, when the content of free oxygen in atmosphere is not less than 17% by vol., the concentration of carbon monoxide is not more than 1% by vol.
Protective time for carbon monoxide at its initial concentration in the supplied air is 6.2 ± 0.3 (mg/l) and a breakthrough concentration of 0.62 mg/l at an air temperature of 20 ± 2(°C) and air fluctuating velocity of 30 ± 0.6 (l/min), not less than 7200 s (120 min).

EAEU Certificate.

"EHMZ named after N.D. Zelinsky" OJSC



TN VED Code 6203 23 100 0

Firefighter turnout gear, type U, version T, model BOP 2

BOP 2 (coat, pants)

It is designed to protect the rank and senior personnel firefighting and rescue services from hazardous and harmful factors (thermal effects, water, surfactant solutions) that occur during fire extinguishing and rescue operations, as well as from adverse climatic effects (negative temperature, wind, precipitation).

Key performance parameters

- Flexibility of use

It allows carrying out a wide range of rescue operations, and is also suitable for extinguishing.

- Ergonomic design

The gear was developed jointly with rescuers and firefighters, and is fully compliant with the specifics of their work.

- Maximum protection

The stitched on heat insulating layer minimizes the risk of burns, and also prevents firefighters from going out on call without maximum protection.

- High level of comfort

The membrane layer efficiently removes moisture and heat from the underwear space.

- Inherent flame-retardant and heat-resistant properties

Protective properties of the materials are incorporated on the molecular level and are constant throughout the service life of the gear irrespective of number of washes and dry cleanings.

- Durability

The product can be washed entirely. Aramid fabric provides high resistance to abrasion, wear and tear during its service life.

- Easy care

Due to a special oil-water-repellent finish, the upper fabric does not absorb water and complex pollutants.

- Antistatic properties

The upper material and back cloth are antistatic, which ensures safe work in the presence of flammable and explosive substances.

- Package of materials

Upper fabric - heat-resistant and antistatic aramid fabric with oil-water-repellent finish.
Lining material - heat-resistant aramid fabric with heat- and flame-resistant polymer coating.
Waterproof layer - non-flammable imporous breather membrane, with all seams sealed.
Heat-insulating layer - heat-resistant non-woven fabric.
Lining - heat-resistant backing fabric.
Accessories - heat-resistant or protected by layers of heat-resistant materials.

Certificate of the Russian Federation.

Countries of export: Republic of Belarus, Republic of Kazakhstan, Republic of Uzbekistan, Kyrgyz Republic, Kingdom of Saudi Arabia, Bosnia and Herzegovina.

FPG ENERGOCONTRACT JSC



TN VED Code 6203 23 100 0

Firefighter turnout gear, type U, version T, model BOP 4

BOP 4 (coat, pants)

It is designed to protect the rank and senior personnel firefighting and rescue services from hazardous and harmful factors (thermal effects, water, surfactant solutions) that occur during fire extinguishing and rescue operations, as well as from adverse climatic effects (negative temperature, wind, precipitation).

Key performance parameters

- Flexibility of use

It allows carrying out a wide range of rescue operations, and is also suitable for extinguishing.

- Ergonomic design

The gear was developed jointly with rescuers and firefighters, and is fully compliant with the specifics of their work.

- Design features

Removable heat insulating layer.

- High level of comfort

The membrane layer efficiently removes moisture and heat from the underwear space.

- Inherent flame-retardant and heat-resistant properties

Protective properties of the materials are incorporated on the molecular level and are constant throughout the service life of the gear irrespective of number of washes and dry cleanings.

- Durability

The product can be washed entirely. Aramid fabric provides high resistance to abrasion, wear and tear during its service life.

- Easy care

Due to a special oil-water-repellent finish, the upper fabric does not absorb water and complex pollutants.

- Antistatic properties

Upper material - antistatic, which ensures safe work in the presence of flammable and explosive substances.

- Package of materials

Upper fabric - heat-resistant and antistatic aramid fabric with oil-water-repellent finish.
Lining material - heat-resistant aramid fabric with heat- and flame-resistant polymer coating.
Waterproof layer - non-flammable imporous breather membrane, with all seams sealed.
Heat-insulating layer - non-woven stitched fabric.
Lining - cotton backing fabric.
Accessories - heat-resistant or protected by layers of heat-resistant materials.

Certificate of the Russian Federation.

Countries of export: Republic of Belarus, Republic of Kazakhstan, Republic of Uzbekistan, Kyrgyz Republic, Kingdom of Saudi Arabia, Bosnia and Herzegovina.

FPG ENERGOCONTRACT JSC



TN VED Code 6203 43 310 0

Special rescuer garment for search and rescue operations, mod. PSKT

PSKT

It is designed to protect rescuers during rescue and search and rescue operations at elevated temperatures: heat radiation, short-term exposure to open flame, mechanical stress, exposure to water or a combination of these factors.

Key performance parameters

- Flexibility of use

It allows carrying out a wide range of emergency and rescue operations, without changing it for a firefighter turnout gear.

- Ergonomic design

The garment was developed jointly with rescuers, and is fully compliant with the specifics of their work.

- Light weight

From 2.9 to 3.3 kg (depending on size).

- High level of comfort

The membrane layer efficiently removes moisture and heat from the underwear space.

- Inherent flame-retardant and heat-resistant properties

Protective properties of the materials are incorporated on the molecular level and are constant throughout the service life of the gear irrespective of number of washes and dry cleanings.

- Durability

The product can be washed entirely. Aramid fabric provides high resistance to abrasion, wear and tear during its service life.

- Easy care

Due to a special oil-water-repellent finish, the upper fabric does not absorb water and complex pollutants.

- Antistatic properties

The upper material and back cloth are antistatic, which ensures safe work in the presence of flammable and explosive substances.

- Package of materials

Upper fabric - heat-resistant and antistatic aramid fabric with oil-water-repellent finish.
Lining material - heat-resistant aramid fabric with heat- and flame-resistant polymer coating.
Waterproof layer - non-flammable imporous breather membrane, with all seams sealed.
Lining - heat-resistant backing fabric.
Accessories - heat-resistant or protected by layers of heat-resistant materials.

Certificate of the Russian Federation.

Countries of export: Republic of Belarus, Republic of Kazakhstan, Republic of Uzbekistan, Kyrgyz Republic, Kingdom of Saudi Arabia, Bosnia and Herzegovina.

FPG ENERGOCONTRACT JSC



TN VED Code 6203 43 310 0

Special rescuer garment intended for conducting search and rescue operations, and specifically the high visibility warning garment (class 2), PSKT model

PSKT (high visibility)

It is designed to protect rescuers during rescue and search and rescue operations at elevated temperatures: heat radiation, short-term exposure to open flame, mechanical stress, exposure to water or a combination of these factors.
To visually indicate people working in daylight and at night, the garment must have an outer layer from fluorescent material and comply with Class 2 of high visibility warning clothing according to GOST 12.4.281

Key performance parameters

- Flexibility of use

It allows carrying out a wide range of emergency and rescue operations, without changing into a firefighter turnout gear.

- Ergonomic design

The garment was developed jointly with rescuers, and is fully compliant with the specifics of their work.

- Light weight

From 2.9 to 3.3 kg (depending on size).

- High level of comfort

The membrane layer efficiently removes moisture and heat from the underwear space.

- Inherent flame-retardant and heat-resistant properties

Protective properties of the materials are incorporated on the molecular level and are constant throughout the service life of the gear irrespective of number of washes and dry cleanings.

- Durability

The product can be washed entirely. Aramid fabric provides high resistance to abrasion, wear and tear during its service life.

- Easy care

Due to a special oil-water-repellent finish, the upper fabric does not absorb water and complex pollutants.

- Antistatic properties

The upper material and back cloth are antistatic, which ensures safe work in the presence of flammable and explosive substances.

- High visibility

The presence of signal fabric and reflective materials in the rescuer garment makes a person more visible under conditions of limited visibility, which makes it possible to avoid high visibility vests.

- Package of materials

Upper fabric - heat-resistant and antistatic aramid fabric with oil-water-repellent finish.
High visibility fabric - heat-resistant and antistatic warning fabric with oil-water-repellent finish.
Lining material - heat-resistant aramid fabric with heat- and flame-resistant polymer coating.
Waterproof layer - non-flammable imporous breather membrane, with all seams sealed.

Lining - heat-resistant backing fabric.
Accessories - heat-resistant or protected by layers of heat-resistant materials.

Certificate of the Russian Federation.

Countries of export: Republic of Belarus, Republic of Kazakhstan, Republic of Uzbekistan, Kyrgyz Republic, Kingdom of Saudi Arabia, Bosnia and Herzegovina.

FPG ENERGOCONTRACT JSC



TN VED Code 6506 10 8000 0

Heat-resistant summer firefighter inner liner, model PPO 1

PPO 1

It is designed for additional protection of firefighter's head from thermal and climatic effects.

Key performance parameters

It is made of heat-resistant flame-proof anti-electrostatic knitwear from Nomex® aramid yarn. It covers chest and back, and the front aperture is tied with an elastic band.

Certificate of the Russian Federation.

Countries of export: Republic of Belarus, Republic of Kazakhstan, Republic of Uzbekistan, Kyrgyz Republic, Kingdom of Saudi Arabia, Bosnia and Herzegovina.

FPG ENERGOCONTRACT JSC



TN VED Code 6107 12 000 0
TN VED Code 6110 30 910 0

Heat resistant underwear, model P/b-1

P/b-1

It is designed for additional thermal protection of firefighter and absorption of perspiration when used in combination with firefighter special protective clothing.

Key performance parameters

It is made of heat-resistant flame-proof anti-electrostatic knitwear from Nomex® aramid yarn. Heat-resistant underwear P/b-1 consists of a sweatshirt and long underwear.

Certificate of the Russian Federation.

Countries of export: Republic of Belarus, Republic of Kazakhstan, Republic of Uzbekistan, Kyrgyz Republic, Kingdom of Saudi Arabia, Bosnia and Herzegovina.

FPG ENERGOCONTRACT JSC



TN VED Code 6203 19 900 0
TN VED Code 6103 10 900 0

Summer men's suit (coat, pants) made of mixed fabrics and polyester knitted fabric, intended for everyday wear, model DPM

DPM (coat, pants)

It is designed as clothing for everyday wear.

Key performance parameters

High quality suit for firefighters and rescuers for everyday wear.
The ergonomic cut of the suit does not hinder movement and provides maximum comfort.

Package of materials:
- upper fabric - mixed fabric with a high cotton content;
- upper fabric - knitted fabric.

Accessories - non-fireproof.

Certificate of the Russian Federation.

Countries of export: Republic of Belarus, Republic of Kazakhstan, Republic of Uzbekistan, Kyrgyz Republic, Kingdom of Saudi Arabia, Bosnia and Herzegovina.

FPG ENERGOCONTRACT JSC



TN VED Code 6403 99 960 0

Special protective leather boots, model OPK-1

OPK-1

They are designed to protect firefighter's feet from thermal and climatic effects, and are used in combination with firefighter special protective clothing.

Key performance parameters

The boots are made of water repellent leather. The lining material package consists of a membrane that protects against moisture ingress and retains heat, a heat insulating layer (up to -40°C) and a cellular material that repels moisture. The sole is made of oil- and petrol-resistant thermostable rubber. Cushioning inserts for easy bending of legs. Safety toe material - polycarbonate (200 J). Puncture-proof padding - multilayer textile material (1200 N). Jug loops foe easy putting on.

Certificate of the Russian Federation.

Countries of export: Republic of Belarus, Republic of Kazakhstan, Republic of Uzbekistan, Kyrgyz Republic, Kingdom of Saudi Arabia, Bosnia and Herzegovina.

FPG ENERGOCONTRACT JSC

Search system "Poisk-M" complete with 5 beacons

Search system "Poisk-M" complete with 5 beacons

It is designed to ensure searching and detecting personnel of fire and rescue and rescue units operating in emergency area, including fires, involved in an emergency situation and as a result having lost the possibility of further self-contained movement.

Key performance parameters

Base station, designed as an impact-resistant suitcase (case), ingress protection rating - IP67 - 1 pc.
Individual transmitter "Mayak": shock-resistant plastic case, ingress protection rating - IP67 - 5 pcs.
The base station includes: case, seats for 5 beacons with charging function, LCD display, lithium polymer battery, 3 control buttons, integrated charger, operating frequency range - 433.05-434.79 MHz.
Radio communications range in the open area - 1 km.
Operating temperature range:
- base station (case) - from -30°C to +60°C;
- beacon - from -30°C to +80°C.

Case overall dimensions - 464 x 366 x 176 mm.
Device weight, max, kg:
- base station (case) - 9;
- beacon - 0.27.

Planned for export.

UralPozhTekhVooruzhenie LLC



Telemetry system combined with electronic tablet for the GSPS unit

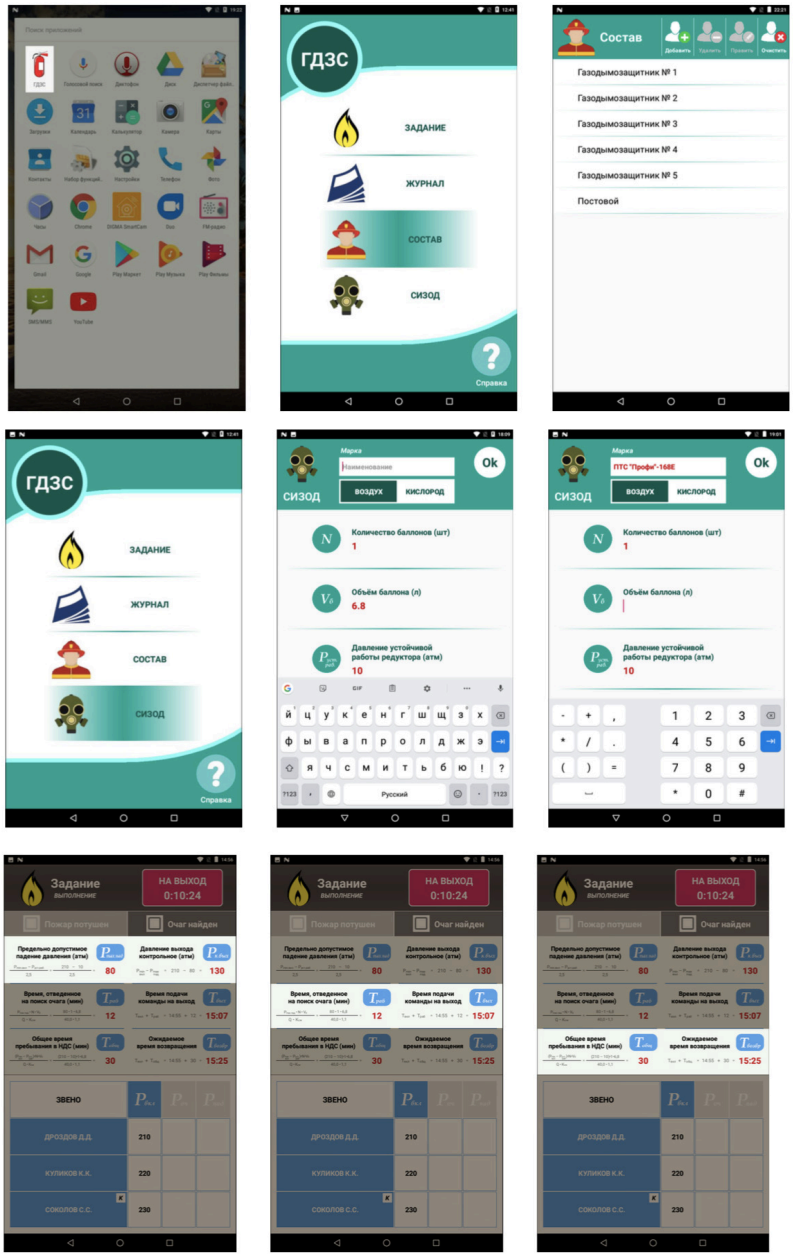
It is designed to determine the residual air in the cylinder.

Key performance parameters

The breathing apparatus pressure gauge is completed with a transmitting device. When activated, data on the residual pressure, on the moving or stationary state of the rescuer, on the device temperature, on battery charge state and on the signal level are transmitted to the base (tablet) via radio communication. The tablet also has the installed program that calculates the RPE parameters. From the transmitting device, it is possible to send a forced alarm signal, and from the tablet - the command "everyone to the base".

Planned for export.

UralPozhTekhVooruzhenie LLC





Luminous guide cable for diving service unit

It is designed to determine the emergency evacuation of the diving service unit from depth.

Key performance parameters

An alarm button is installed at the end to be attached to the diver. After pressing it, at the beginning of the cable (coil), a SOS sound and light signal is received.

Planned for export.

UralPozhTekhVooruzhenie LLC

SECTION 4

FIRE-FIGHTING SYSTEMS, UNITS AND THEIR COMPONENTS







TN VED Code 8424 10 000 0

Extinguishing aerosol generator AGS-8/1

It is designed to extinguish fire.

Key performance parameters

Protected volume: 60 m^3.
Device weight: 11.5 kg.
Aerosol-forming charge weight: 3.3 kg.
Operation time: 100 s.

Certificate of the Russian Federation.

Countries of export: Republic of Belarus, Ukraine, Republic of Latvia, Kingdom of the Netherlands, Socialist Republic of Vietnam.

NPG Granit-Salamandra JSC



TN VED Code 8424 10 000 0

Extinguishing aerosol generator AGS-8/2

It is designed to extinguish fire.

Key performance parameters

Protected volume: 124 m^3.
Device weight: 19.5 kg.
Aerosol-forming charge weight: 6.8 kg.
Operation time: 175 s.

Certificate of the Russian Federation.

Countries of export: Republic of Belarus, Ukraine, Republic of Latvia, Kingdom of the Netherlands, Socialist Republic of Vietnam.

NPG Granit-Salamandra JSC



TN VED Code 8424 10 000 0

Extinguishing aerosol generator AGS-15/1

It is designed to extinguish fire.

Key performance parameters

Protected volume: 60 m^3.
Device weight: 4.0 kg.
Aerosol-forming charge weight: 2.3 kg.
Operation time: 30 s.

Certificate of the Russian Federation.

Countries of export: Republic of Belarus, Ukraine, Republic of Latvia, Kingdom of the Netherlands, Socialist Republic of Vietnam.

NPG Granit-Salamandra JSC



TN VED Code 8424 10 000 0

Extinguishing aerosol generator AGS-15/2

It is designed to extinguish fire.

Key performance parameters

Protected volume: 100 m^3.
Device weight: 5.6 kg.
Aerosol-forming charge weight: 3.8 kg.
Operation time: 40 s.

Certificate of the Russian Federation.

Countries of export: Republic of Belarus, Ukraine, Republic of Latvia, Kingdom of the Netherlands, Socialist Republic of Vietnam.

NPG Granit-Salamandra JSC



TN VED Code 8424 10 000 0

Self-contained extinguishing aerosol unit AGS-12/0.1

It is designed to extinguish fire.

Key performance parameters

Protected volume: 0.1 m^3.
Device weight: 0.075 kg.
Aerosol-forming charge weight: 0.0055 kg.
Operation time: 3 s.

Certificate of the Russian Federation.

Countries of export: Republic of Belarus, Ukraine, Republic of Latvia, Kingdom of the Netherlands, Socialist Republic of Vietnam.

NPG Granit-Salamandra JSC



TN VED Code 8424 10 000 0

Self-contained extinguishing aerosol unit AGS-12/0.3

It is designed to extinguish fire.

Key performance parameters

Protected volume: 0.3 m^3.
Device weight: 0.1 kg.
Aerosol-forming charge weight: 0.015 kg.
Operation time: 7 s.

Certificate of the Russian Federation.

Countries of export: Republic of Belarus, Ukraine, Republic of Latvia, Kingdom of the Netherlands, Socialist Republic of Vietnam.

NPG Granit-Salamandra JSC



TN VED Code 8424 10 000 0

Self-contained extinguishing aerosol unit AGS-12/0.6

It is designed to extinguish fire.

Key performance parameters

Protected volume: 0.6 m^3.
Device weight: 0.15 kg.
Aerosol-forming charge weight: 0.03 kg.
Operation time: 8 s.

Certificate of the Russian Federation.

Countries of export: Republic of Belarus, Ukraine, Republic of Latvia, Kingdom of the Netherlands, Socialist Republic of Vietnam.

NPG Granit-Salamandra JSC



TN VED Code 8424 10 000 0

Self-contained extinguishing aerosol unit AGS-12/1.1

It is designed to extinguish fire.

Key performance parameters

Protected volume: 1.1 m^3.
Device weight: 0.3 kg.
Aerosol-forming charge weight: 0.055 kg.
Operation time: 6 s.

Certificate of the Russian Federation.

Countries of export: Republic of Belarus, Ukraine, Republic of Latvia, Kingdom of the Netherlands, Socialist Republic of Vietnam.

NPG Granit-Salamandra JSC



TN VED Code 8424 10 000 0

Self-contained extinguishing aerosol unit AGS-12/2.2

It is designed to extinguish fire.

Key performance parameters

Protected volume: 2.2 m^3.
Device weight: 0.4 kg.
Aerosol-forming charge weight: 0.11 kg.
Operation time: 10 s.

Certificate of the Russian Federation.

Countries of export: Republic of Belarus, Ukraine, Republic of Latvia, Kingdom of the Netherlands, Socialist Republic of Vietnam.

NPG Granit-Salamandra JSC



TN VED Code 8424100000

Extinguishing aerosol generator AGS-11/1

It is designed to extinguish fire.

Key performance parameters

Protected volume: 2.2 m^3.
Device weight: 0.6 kg.
Aerosol-forming charge weight: 0.1 kg.
Operation time: 8 s.

Certificate of the Russian Federation.

Countries of export: Republic of Belarus, Ukraine, Republic of Latvia, Kingdom of the Netherlands, Socialist Republic of Vietnam.

NPG Granit-Salamandra JSC



TN VED Code 8424 10 000 0

Extinguishing aerosol generator AGS-11/2

It is designed to extinguish fire.

Key performance parameters

Protected volume: 3.4 m^3.
Device weight: 0.85 kg.
Aerosol-forming charge weight: 0.17 kg.
Operation time: 11 s.

Certificate of the Russian Federation.

Countries of export: Republic of Belarus, Ukraine, Republic of Latvia, Kingdom of the Netherlands, Socialist Republic of Vietnam.

NPG Granit-Salamandra JSC



TN VED Code 8424 10 000 0

Extinguishing aerosol generator AGS-11/3

It is designed to extinguish fire.

Key performance parameters

Protected volume: 6.0 m^3.
Device weight: 1.3 kg.
Aerosol-forming charge weight: 0.3 kg.
Operation time: 20 s.

Certificate of the Russian Federation.

Countries of export: Republic of Belarus, Ukraine, Republic of Latvia, Kingdom of the Netherlands, Socialist Republic of Vietnam.

NPG Granit-Salamandra JSC



TN VED Code 8424 10 000 0

Extinguishing aerosol generator AGS-11/4

It is designed to extinguish fire.

Key performance parameters

Protected volume: 18.0 m^3.
Device weight: 2.0 kg.
Aerosol-forming charge weight: 0.95 kg.
Operation time: 25 s.

Certificate of the Russian Federation.

Countries of export: Republic of Belarus, Ukraine, Republic of Latvia, Kingdom of the Netherlands, Socialist Republic of Vietnam.

NPG Granit-Salamandra JSC



TN VED Code 8424 10 000 0

Extinguishing aerosol generator AGS-11/5

It is designed to extinguish fire.

Key performance parameters

Protected volume: 28.0 m^3.
Device weight: 4.0 kg.
Aerosol-forming charge weight: 1.3 kg.
Operation time: 35 s.

Certificate of the Russian Federation.

Countries of export: Republic of Belarus, Ukraine, Republic of Latvia, Kingdom of the Netherlands, Socialist Republic of Vietnam.

NPG Granit-Salamandra JSC



TN VED Code 8424 10 000 0

Extinguishing aerosol generator AGS-11/6

It is designed to extinguish fire.

Key performance parameters

Protected volume: 48.0 m^3.
Device weight: 4.5 kg.
Aerosol-forming charge weight: 2.3 kg.
Operation time: 40 s.

Certificate of the Russian Federation.

Countries of export: Republic of Belarus, Ukraine, Republic of Latvia, Kingdom of the Netherlands, Socialist Republic of Vietnam.

NPG Granit-Salamandra JSC



TN VED Code 8424 10 000 0

Extinguishing aerosol generator AGS-11/7

It is designed to extinguish fire.

Key performance parameters

Protected volume: 10.0 m^3.
Device weight: 2.0 kg.
Aerosol-forming charge weight: 0.5 kg.
Operation time: 40 s.

Certificate of the Russian Federation.

Countries of export: Republic of Belarus, Ukraine, Republic of Latvia, Kingdom of the Netherlands, Socialist Republic of Vietnam.

NPG Granit-Salamandra JSC



TN VED Code 8424 10 000 0

Extinguishing aerosol generator AGS-6/1

It is designed to extinguish fire.

Key performance parameters

Protected volume: 3.2 m^3.
Device weight: 1.4 kg.
Aerosol-forming charge weight: 0.35 kg.
Operation time: 20 s.

Certificate of the Russian Federation.

Countries of export: Republic of Belarus, Ukraine, Republic of Latvia, Kingdom of the Netherlands, Socialist Republic of Vietnam.

NPG Granit-Salamandra JSC



TN VED Code 8424 10 000 0

Extinguishing aerosol generator AGS-6/2

It is designed to extinguish fire.

Key performance parameters

Protected volume: 52.0 m^3.
Device weight: 12.5 kg.
Aerosol-forming charge weight: 3.5 kg.
Operation time: 40 s.

Certificate of the Russian Federation.

Countries of export: Republic of Belarus, Ukraine, Republic of Latvia, Kingdom of the Netherlands, Socialist Republic of Vietnam.

NPG Granit-Salamandra JSC



TN VED Code 8424 10 000 0

Extinguishing aerosol generator AGS-7/1

It is designed to extinguish fire.

Key performance parameters

Protected volume: 65.0 m^3.
Device weight: 5.8 kg.
Aerosol-forming charge weight: 3.3 kg.
Operation time: 90 s.

Certificate of the Russian Federation.

Countries of export: Republic of Belarus, Ukraine, Republic of Latvia, Kingdom of the Netherlands, Socialist Republic of Vietnam.

NPG Granit-Salamandra JSC



TN VED Code 8424 10 000 0

Extinguishing aerosol generator AGS-7/2

It is designed to extinguish fire.

Key performance parameters

Protected volume: 134.0 m^3.
Device weight: 10.8 kg.
Aerosol-forming charge weight: 6.8 kg.
Operation time: 170 s.

Certificate of the Russian Federation.

Countries of export: Republic of Belarus, Ukraine, Republic of Latvia, Kingdom of the Netherlands, Socialist Republic of Vietnam.

NPG Granit-Salamandra JSC



TN VED Code 8424 10 000 0

Extinguishing aerosol generator AGS-2/4

It is designed to extinguish fire.

Key performance parameters

Protected volume: 21.0 m^3.
Device weight: 4.6 kg.
Aerosol-forming charge weight: 1.6 kg.
Operation time: 40 s.

Certificate of the Russian Federation.

Countries of export: Republic of Belarus, Ukraine, Republic of Latvia, Kingdom of the Netherlands, Socialist Republic of Vietnam.

NPG Granit-Salamandra JSC



TN VED Code 8424 10 000 0

Gas fire suppression modules GFSM

MGPT-65-60 (80, 100)-50-E (ER, EV, EVR, P, PK)-01-(A)-(.01), MGPT-65-20 (40, 60)-33-E (ER, P, PK)-01-(A)-(.01); MGPT-55-52 (106, 147, 180)-50-E (ER, EV, EVR, P, PK) eF5.887.004 TU

It is designed to extinguish fires of classes A, B and C according to GOST 27331 and energized electrical equipment with gas fire extinguishing agents (GFEA). The modules are used as part of gas fire extinguishing units for fire protection of premises and process equipment.

Key performance parameters

The MGPT-65 module cylinder capacity, l: 60, 80, 100; MGPT - 55: 52, 106, 147, 180 L. Gas fire extinguishing unit/siphon tube inside diameter, mm - 50/50.

Module operating pressure, MPa/kg•s/cm^2, maximum - 6.37/65 or 5.4/55. The protection level of electromagnetic starting device of electric started modules is IP65 according to GOST 14254.

In terms of seismic stability level, the modules refer to Category I according to NP-031-01, at the location height of up to 70 m from the zero level, and they comply with the requirements of RD 25818-87, MU7.4-01, in terms of the installation place - Group A, according to their functional purpose - version 1, and with respect to seismic impacts - 8 points on the MSK-64 scale.

In terms of electromagnetic compatibility, the modules refer to design category III regarding their immunity to interference with the performance criterion A according to GOST R 32137.

The modules correspond to climatic category NF, TH, location category 4 according to GOST 15150, in the temperature range of from -20°C to + 50°C.

In terms of ensuring the safety of NPP, the modules belong to normally operated systems (elements) that are important for safety of Class 3H according to NP-001-15.

Certificate of the Russian Federation.

Countries of export: Republic of India, Republic of Belarus, People's Republic of China, Federal Republic of Germany

TENZOR JSC



TN VED Code

Water spray automatic extinguishing system (WS AES)

It is designed to extinguish fire. It is totally safe for humans (recommended for use in crowded places), environment, material assets and equipment, including those energized up to 35 kV. It does not require special water treatment, and it operates potable water. No need for large water storage tanks. In the event of unauthorized actuation (sabotage), material damage is not caused and personnel is not exposed to danger. After triggering, the unit will automatically replenish the required water supply. It comprises a modular pumping unit, a small storage tank for water supply, a switchgear, alarms, valves and a control cabinet.

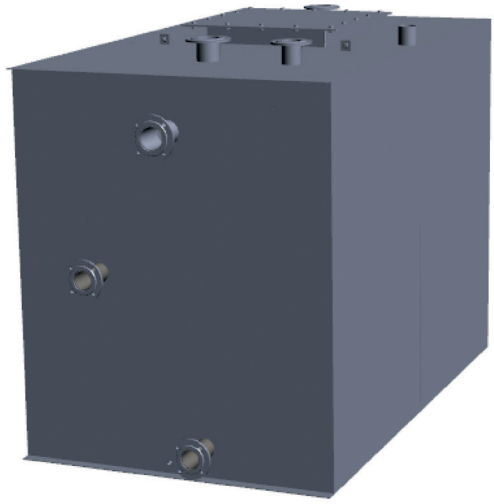
Key performance parameters

The operating time is at least 10 minutes with the provision of repeated switching on (two times 10 minutes each) with the possibility of manual shutdown by the station personnel on duty. The water supply is determined based on the operation of the system for 30 minutes, the volume of each tank for the fire-fighting water supply is taken based on the maximum water consumption for fire extinguishing and the estimated time for extinguishing single fire, taking into account automatic replenishment. For this purpose, automatic replenishment of the tanks from the drinking water pipeline is provided to ensure the possibility of the system repeated operation (twice for 10 minutes). Average size (diameter) of droplets in the flow - not more than 100 microns; spraying devices - special purpose deluge sprinklers; the extinguishing agent is water, the water quality must comply with the requirements of SanPiN 2.1.4.1074-01 as amended on June 28, 2010; the maximum height from the floor level to the lowest point of the spray element should not exceed 5 m.
Cycle life - multiple (not limited).
Temperature range - from +5°C to +45°C.
Start-up type: automatic start-up caused by actuation - at least two fire detectors; remote starting from the UCP control panel; pipeline system pressure - from 10 to 14 MPa. The WS AES structure includes two components: the process part and the unit monitoring and control system (WSMCU).

Certificate of the Russian Federation.

Planned for export.

TENZOR JSC



Tank

eF.887.007-XX,
where XX are the product design versions

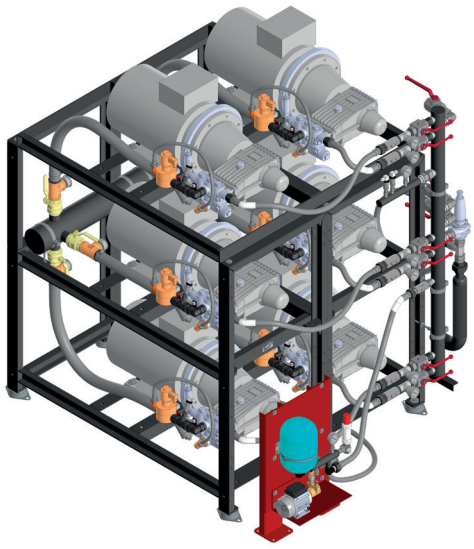
It is intended for use as an atmospheric (without excess pressure) storage facility for fire extinguishing agent (hereinafter referred to as FEA) in automatic fire extinguishing systems.

Key performance parameters

Material - stainless steel/plastic.
Capacity - 1-20 m^3.
It is equipped with level gauge and float valve.
Horizontal/vertical design.
Design-assembled product (according to order sheets).
Delivered assembled or disassembled.
Service life - at least 50 years.

Planned for export.

TENZOR JSC



UNK-TRV complete pumping unit

UNK-TRV-X/Y-C/Z eF5.883.003-AA, where
X -nominal unit capacity, l/min;
Y - maximum operating pressure of FEA at the unit outlet, MPa;
C - number of pumping units (operating plus one standby);
Z - power consumption of each pumping unit drive;
AA - UNK-TRV design version.

It is designed for use in deluge fire extinguishing systems to eliminate or localize fires of classes A, B and E according to the classification of Federal Law No. 123-FZ "Technical regulations on fire safety requirements"; office and utility premises with permanent or temporary stay of people; cable spaces and other industrial premises, where, depending on the fire load, it is allowed to use sprayed water for extinguishing.

Key performance parameters

Capacity - up to 36 m^3/min.
Operating pressure - 15 MPa.
Up to 6 working pumping units.
Power - up to 400 kW.
Service life - at least 50 years.
Modular pumping unit on a frame with piping: 1-5 working pumps, 1 standby pump.
Design-assembled product (according to order sheets).

Planned for export.

TENZOR JSC



KSD-VD electromagnetic section valve for deluge high-pressure water spray extinguishing sections

KSD-VDX eF5.885.006-XX, where
KSD-VD - section valve brief designation;
X, XX - section valve design versions.

It is designed for use as a locking and starting device in deluge fire extinguishing sections of WS AES.

Key performance parameters

Nominal diameter: DN 15-50.
Operating pressure - 15 MPa.
Working medium - liquid and gaseous media. Medium temperature - from -50°C to +80°C.
Power supply - 220 V ± 10%.
Power consumption 300 W (with a duration of 1.5 s)/ 10 W (constantly).
Weight - up to 100 kg, IP54.
Service life:
at least 50 years subject to carrying out the appropriate routine maintenance and overhaul;
at least 15 years from the date of delivery to overhaul.

Planned for export.

TENZOR JSC

KD-VD drain valve complete with pressure gauge for high pressure water spray extinguishing systems

KD-VDX eF5.885.007-XX, where
KD-VD - drain valve brief designation;
X, XX - drain valve design versions.

It is designed for use in extinguishing deluge and sprinkler sections of WS AES.

Key performance parameters

Nominal diameter: DN 15-50.
Operating pressure - 15 MPa.
Working medium - liquid and gaseous media. Medium temperature - from +5°C to +80°C.
Weight up to 7 kg; material - stainless steel.
Service life:
- at least 50 years subject to carrying out the appropriate routine maintenance and overhaul;
- at least 15 years from the date of delivery to overhaul.

Planned for export.

TENZOR JSC



TRV-VD "PELENA" deluge sprinkler

eF.889.001-XX,
where XX - product design versions

It is designed to be used in deluge fire extinguishing systems of WS AES, in fire extinguishing systems for both ground/underground and offshore facilities.

Key performance parameters

Operating pressure - up to 15 MPa.
Average droplet size in the flow - 150 microns.
Connecting thread G1/2.
Rated consumption - 5-40 l/min.
Service life - at least 50 years.

Planned for export.

TENZOR JSC

TRV-VD "PELENA" sprinkler

eF5.889.007-XX,
where XX - product design versions

It is designed to be used in sprinkler fire extinguishing systems of WS AES, in fire extinguishing systems for both ground/underground and offshore facilities.

Key performance parameters

Operating pressure - 15 MPa.
Average droplet size in the flow - 150 microns.
Connecting thread - G1/2.
Rated consumption - 9-40 l/min.
Thermal lock response temperature - from 57°C.
Service life - at least 10 years.

Planned for export.

TENZOR JSC



Sectional header

The sectional header is designed to control and distribute water flow in the fire extinguishing sections of WS AES.

Key performance parameters

Operating pressure - 15 MPa.
Material - stainless steel.
Number of directions - depending on design decision.
Design-assembled product (according to order sheets).

Planned for export.

TENZOR JSC

High/low pressure pipeline valves

It is designed for arrangement of fire extinguishing, water supply directions for UNK-TRV.

Key performance parameters

Operating pressure - 15 MPa.
Material - stainless steel.
Number of directions - depending on design decision.
Scope of supply is determined depending on the design decision or customer requirements.

Planned for export.

TENZOR JSC



TN VED Code 8424 10 000 0

MPP "TUNGUS" dry powder extinguishing modules

MPP(N-Vzr2)-4-I-GE-U2
MPP(N-Vzr-T)-4-I-GE-U2
MPP(N-RP)-4-I-GE-U2
MPP(N)-5-I-GE-U2
MPP(N-T)-5-I-GE-U2
MPP(N-T1)-5)-I-GE-U2
MPP(N-R)-5-I-GE-U2
MPP(N-Vzr)-5-I-GE-U2
MPP(N-Vzr-T)-5-I-GE-U2
MPP(N-Vzr2)-5-I-GE-U2
MPP(N-S2)-5-I-GE-U2
MPP(N)-6-I-GE-U2
MPP(N-T)-6-I-GE-U2
MPP(N-T1)-6-I-GE-U2
MPP(N-Vzr)-6-I-GE-U2
MPP(N-Vzr2)-6-I-GE-U2
MPP(N-Vzr-T)-6-I-GE-U2
MPP(N-RP)-6-I-GE-U2
MPP(N-S)-6(p)-I-GE-U2
MPP(N)-9-I-GE-U2
MPP(N-T)-9-I-GE-U2
MPP(N-T1)-9-I-GE-U2
MPP(N-Vzr)-9-I-GE-U2
MPP(N-Vzr2)-9-I-GE-U2
MPP(N-Vzr-T)-9-I-GE-U2
MPP(N-RP)-9-I-GE-U2
MPP(N-RO)-9-I-GE-U2
MPP(N)-10-I-GE-U2
MPP(N-T)-10-I-GE-U2
MPP(N-T1)-10-I-GE-U2
MPP(N-Vzr)-10-I-GE-U2
MPP(N-Vzr2)-10-I-GE-U2
MPP(N-Vzr-T)-10-I-GE-U2
MPP(N-RP)-10-I-GE-U2
MPP(N)-10(st)-I-GE-U2
MPP(N-T)-10(st)-I-GE-U2
MPP(N-T1)-10(st)-I-GE-U2
MPP(N-Vzr)-10(st)-I-GE-U2
MPP(N-Vzr2)-10(st)-I-GE-U2
MPP(N-Vzr-T)-10(st)-I-GE-U2
MPP(N-RP)-10(st)-I-GE-U2
MPP(N-RO)-10(st)-I-GE-U2
MPP(N-A-T1)-10(st)-KD1-GE-U2
MPP(N-AP-T1)-10(st)-KD1-GE-U2
MPP(N-AT-T1)-10(st)-KD1-GE-U2
MPP(N)-24-I-GE-U2
MPP(N-T)-24-I-GE-U2
MPP(N-T1)-24-I-GE-U2
MPP(N-Vzr)-24-I-GE-U2
MPP(N-Vzr2)-24-I-GE-U2
MPP(N-Vzr-T)-24-I-GE-U2
MPP(N-RP)-24-I-GE-U2
MPP(N-RO)-24-I-GE-U2
MPP(N-A-T1)-24-KD1-GE-U2
MPP(N-AP-T1)-24-KD1-GE-U2
MPP(N-AT-T1)-24-KD1-GE-U2

They are designed for automatic suppression of fire seats of classes A, B, C and E (energized electrical equipment without taking into account the extinguishing powder breakdown voltage parameter).

Key performance parameters

Impulse modules that can extinguish energized electrical equipment with no restrictions in terms of the breakdown voltage magnitude.

Heat-resistant modules with operating temperatures of from -60°C to +125°C, no equivalents are known to the global practice.

Fire and explosion-proof modules approved by Rostekhnadzor for use at fire and explosion hazardous facilities, including mines and pits that are hazardous in terms of dust and gas content.

Self-triggering high-speed modules equipped with flame detectors, which ensure the detection and extinguishing of fire sources within a few seconds from the moment they occur.

Portable self-actuating floor modules that do not require fasteners.

Modules with a variable powder ejection angle, which provides extinguishing fire seats from a height of 16 m and at a distance of up to 12 m with a horizontal direction of powder ejection.

Modules having a custom transport design that are capable of withstanding vibration and shock loads, and operating under severe operating conditions (gasoline and oil environments, high dust content, large temperature differentials).

Certificate of the Russian Federation.
EAEU Certificate.

Countries of export: CIS, Romania, People's Republic of China, Slovak Republic, People's Republic of Bangladesh, Malaysia, Canada, Republic of Sudan, United States of America, Arab Republic of Egypt, United Arab Emirates, Federal Republic of Brazil.

Istochnik Plus JSC



TN VED Code 8405 10 000 9

Gas fire extinguishing generators GGPT "TUNGUS"

GGPT-1.0tr	GGPT-0.25tr	GGPT-3.0
GGPT-3.0tr	GGPT-0.5tr	GGPT-7/0
GGPT-7.0tr	GGPT-1.0	GGPT-0.25
		GGPT-0.5

It is intended for extinguishing fires of subclass A2, classes B, E by smothering method. Protection of electronic and electrical equipment (server rooms, DPCs).

Key performance parameters

Fire extinguishing using smothering method, volumes of from 0.25 to 140 m^3.

Certificate of the Russian Federation.

Countries of export: CIS, Romania.

Istochnik Plus CJSC



TN VED Code 8424 89 000 9

MUPTV "TUNGUS" modular water spray extinguishing systems

MUPTV-13.5-GZ-V-01-01
MUPTV-13.5-GZ-V-01-02
MUPTV(S)-13.5-GZ-V-01-01
MUPTV(S)-13.5-GZ-V-01-02
MUPTV-13.5-GZ-VD-01-01(t°C = -10)
MUPTV-13.5-GZ-VD-01-02(t°C = -10)
MUPTV-13.5-GZ-VD-01-01(t°C = -30)
MUPTV-13.5-GZ-VD-01-02(t°C = -30)
MUPTV-13.5-GZ-VD-01-01(t°C = -50)
MUPTV-13.5-GZ-VD-01-02(t°C = -50)
MUPTV-13.5-GZ-VD-01-02(t°C = +5)
MUPTV(S)-13.5-GZ-VD-01-01(t°C = -10)
MUPTV(S)-13.5-GZ-VD-01-02(t°C = -10)
MUPTV(S)-13.5-GZ-VD-01-01(t°C = -30)
MUPTV(S)-13.5-GZ-VD-01-02(t°C = -30)
MUPTV(S)-13.5-GZ-VD-01-01(t°C = -50)
MUPTV(S)-13.5-GZ-VD-01-02(t°C = -50)
MUPTV(S)-13.5-GZ-VD-01-02(t°C = +5)
MUPTV(Vzr)-13.5-GZ-VD-01-01(t°C = -10)
MUPTV(Vzr)-13.5-GZ-VD-01-02(t°C = -10)
MUPTV(Vzr)-13.5-GZ-VD-01-01(t°C = -30)
MUPTV(Vzr)-13.5-GZ-VD-01-02(t°C = -30)
MUPTV(Vzr)-13.5-GZ-VD-01-01(t°C = -50)
MUPTV(Vzr)-13.5-GZ-VD-01-02(t°C = -50)
MUPTV(Vzr)-13.5-GZ-VD-01-02(t°C = +5)
MUPTV-18.5-GZ-VD (t°C = +5)
MUPTV-18.5-GZ-VD (t°C = -10)
MUPTV-18.5-GZ-VD (t°C = -30)

They are designed for localization and extinguishing of class A, B fires and electrical equipment under a voltage of up to 1000 V.

Key performance parameters

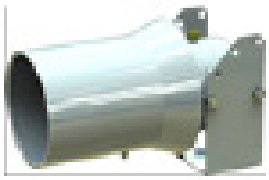
Operating temperature range - depending on the marking: from +5°C to +50°C, from -10°C to +50°C, -30°C to +50°C, from -50°C to +50°C, from +5°C to +50°C.
Installation height: from 2.5 to 9 m.
Area of operation for fires of classes A, B: from 19.6 to 30.2 m^2.

Certificate of the Russian Federation.

Countries of export: CIS, Romania.

Istochnik Plus JSC





TN VED Code 8405 10 000 9

GOA "TUNGUS" extinguishing aerosol generators

GOA-II-0.35-020-020	GOA-II-1.10-020-010
GOA(T)-II-0.35-020-020	GOA(T)-II-1.10-020-010
GOA(T1)-II-0.35-020-020	GOA(T1)-II-1.10-020-010
GOA-II-0.35-020-020(A)	GOA-II-1.10-020-010(A)
GOA(T)-II-0.35-020-020(A)	GOA(T)-II-1.10-020-010(A)
GOA(T1)-II-0.35-020-020(A)	GOA(T1)-II-1.10-020-010(A)

It is designed for smothering extinguishing of fires of subclass A2, classes B and E (energized electrical equipment) and localizing fires of subclass A1.

Key performance parameters

The fire extinguishing capacity of EAG when extinguishing fires of classes A, B and E is 0.020 kg/m^3.
Protected volume - 17.5 m^3 and 55 m^3.
Service life - 12 years.
The modifications differ in the operating temperature range (from -50°C to +50°C; from -60°C to +90°C, from -60°C to +125°C).
EAGs including the letter A are intended for use on vehicles and facilities with high vibration levels.

Certificate of the Russian Federation.
EAEU Certificate.

Countries of export: CIS, Romania.

Istochnik Plus JSC



TN VED Code 3813 00 000 0

Self-contained gas suppression unit "Parabola"

Parabola 30

It is designed for localizing and extinguishing fires and ignitions of Classes A (combustion of solids), B (combustion of liquid substances), as well as fires and ignitions in energized electrical equipment (Class E).
It is recommended for use to protect such facilities as energized electrical and distribution cabinets, small-sized storage facilities, automation cabinets, distribution cabinets and switchboards containing high-voltage equipment with a rated voltage of up to 10 kV.

Key performance parameters

Protected volume, max, m^3 - 0.03.
Protected volume leakage parameter, max, m^{-1} - 0.5.
Product weight, max, g - 30.
Operating temperature - from -40°C to +60°C.
Response temperature - +120°C.
Extinguishing time using MFP - not more than 5 sec.
Overall dimensions, mm - 12 x 12 x 130.

Certificate of the Russian Federation.

Countries of export: Republic of Korea, People's Republic of China, Taiwan, Arab Republic of Egypt, United Arab Emirates, Kingdom of Saudi Arabia, Republic of Latvia, Republic of Bulgaria, Republic of Serbia, Republic of Belarus, Republic of Kazakhstan.

PiroKhimika LLC



TN VED Code 3813 00 000 0

Self-contained gas suppression unit "Parabola"

Parabola 50

It is designed for localizing and extinguishing fires and ignitions of Classes A (combustion of solids), B (combustion of liquid substances), as well as fires and ignitions in energized electrical equipment (Class E).
It is recommended for use to protect such facilities as energized electrical and distribution cabinets, small-sized storage facilities, automation cabinets, distribution cabinets and switchboards containing high-voltage equipment with a rated voltage of up to 10 kV.

Key performance parameters

Protected volume, max, m^3 - 0.06.
Protected volume leakage parameter, max, m^{-1} - 0.5.
Product weight, max, g - 50.
Operating temperature - from -40°C to +60°C.
Response temperature - +120°C.
Extinguishing time using MFP - not more than 5 sec.
Overall dimensions, mm - 12 x 12 x 200.

Certificate of the Russian Federation.

Countries of export: Republic of Korea, People's Republic of China, Taiwan, Arab Republic of Egypt, United Arab Emirates, Kingdom of Saudi Arabia, Republic of Latvia, Republic of Bulgaria, Republic of Serbia, Republic of Belarus, Republic of Kazakhstan.

PiroKhimika LLC



TN VED Code 3813 00 000 0

Self-contained gas suppression unit "Parabola"

Parabola 100

It is designed for localizing and extinguishing fires and ignitions of Classes A (combustion of solids), B (combustion of liquid substances), as well as fires and ignitions in energized electrical equipment (Class E).
It is recommended for use to protect such facilities as energized electrical and distribution cabinets, small-sized storage facilities, automation cabinets, distribution cabinets and switchboards containing high-voltage equipment with a rated voltage of up to 10 kV.

Key performance parameters

Protected volume, max, m^3 - 0.12.
Protected volume leakage parameter, max, m^{-1} - 0.2.
Product weight, max, g - 150.
Operating temperature - from -40°C to +60°C.
Response temperature - +120°C.

Extinguishing time using MFP - not more than 5 sec.
Overall dimensions, mm - 16 x 16 x 500.

Certificate of the Russian Federation.

Countries of export: Republic of Korea, People's Republic of China, Taiwan, Arab Republic of Egypt, United Arab Emirates, Kingdom of Saudi Arabia, Republic of Latvia, Republic of Bulgaria, Republic of Serbia, Republic of Belarus, Republic of Kazakhstan.

PiroKhimika LLC



TN VED Code 3813 00 000 0

Self-contained gas suppression unit "Parabola"

Parabola 200

It is designed for fire protection of electrical panels, lead-in distributors, hull electrical equipment and other local facilities. The product is a sealed tube made of a special polymer material filled with a gaseous extinguishing agent (GEA).

Key performance parameters

Protected volume, max, m^3 - 0.23.
Protected volume leakage parameter, max, m^{-1} - 0.2.
Product weight, max, g - 280.
Operating temperature - from -40°C to +60°C.
Response temperature - +120°C.
Extinguishing time using MFP - not more than 5 sec.
Overall dimensions, mm - 16 x 16 x 1000.

Certificate of the Russian Federation.

Countries of export: Republic of Korea, People's Republic of China, Taiwan, Arab Republic of Egypt, United Arab Emirates, Kingdom of Saudi Arabia, Republic of Latvia, Republic of Bulgaria, Republic of Serbia, Republic of Belarus, Republic of Kazakhstan.

PiroKhimika LLC



TN VED Code 3813 00 000 0

Self-contained gas suppression unit "Parabola"

Parabola 500

It is designed for fire protection of electrical panels, lead-in distributors, hull electrical equipment and other local facilities. The product is a sealed tube made of a special polymer material filled with a gaseous extinguishing agent (GEA).

Key performance parameters

Protected volume, max, m^3 - 0.55.
Protected volume leakage parameter, max, m^{-1} - 0.1.
Product weight, max, g - 500.
Operating temperature - from -40°C to +60°C.
Response temperature - +120°C.
Extinguishing time using MFP - not more than 5 sec.
Overall dimensions, mm - 16 x 16 x 1800.

Certificate of the Russian Federation.

Countries of export: Republic of Korea, People's Republic of China, Taiwan, Arab Republic of Egypt, United Arab Emirates, Kingdom of Saudi Arabia, Republic of Latvia, Republic of Bulgaria, Republic of Serbia, Republic of Belarus, Republic of Kazakhstan.

PiroKhimika LLC



TN VED Code 3813 00 000 0

Self-contained gas suppression unit "Parabola"

Parabola 1000

It is designed for fire protection of electrical panels, lead-in distributors, hull electrical equipment and other local facilities. The product is a sealed tube made of a special polymer material filled with a gaseous extinguishing agent (GEA).

Key performance parameters

Protected volume, max, m^3 - 1.1.
Protected volume leakage parameter, max, m^{-1} - 0.1.
Product weight, max, g - 700.
Operating temperature - from -40°C to +60°C.
Response temperature - +120°C.
Extinguishing time using MFP - not more than 5 sec.
Overall dimensions, mm - 16 x 16 x 2500.

Certificate of the Russian Federation.

Countries of export: Republic of Korea, People's Republic of China, Taiwan, Arab Republic of Egypt, United Arab Emirates, Kingdom of Saudi Arabia, Republic of Latvia, Republic of Bulgaria, Republic of Serbia, Republic of Belarus, Republic of Kazakhstan.

PiroKhimika LLC



TN VED Code 3813 00 000 0

Self-contained gas suppression unit "Parabola"

Parabola 2000

It is designed for localizing and extinguishing fires and ignitions of Classes A (combustion of solids), B (combustion of liquid substances), as well as fires and ignitions in energized electrical equipment (Class E).
It is recommended for use to protect such facilities as energized electrical and distribution cabinets, small-sized storage facilities, automation cabinets, distribution cabinets and switchboards containing high-voltage equipment with a rated voltage of up to 10 kV.

Key performance parameters

Protected volume, max, m^3 - 2.2.
Protected volume leakage parameter, max, m^{-1} - 0.1.
Product weight, max, g - 1400.
Operating temperature - from -40°C to +60°C.
Response temperature - +120°C.
Extinguishing time using MFP - not more than 5 sec.
Overall dimensions, mm - 16 x 16 x 5000.

Certificate of the Russian Federation.

Countries of export: Republic of Korea, People's Republic of China, Taiwan, Arab Republic of Egypt, United Arab Emirates, Kingdom of Saudi Arabia, Republic of Latvia, Republic of Bulgaria, Republic of Serbia, Republic of Belarus, Republic of Kazakhstan.

PiroKhimika LLC



TN VED Code 3813 00 000 0

Self-contained fire extinguishing system "Podkova"

Podkova-01

It is designed to protect the vehicle's engine compartment. SFES "Parabola" configuration. The product is a sealed tube made of a special polymer material filled with a gaseous extinguishing agent (GEA).

Key performance parameters

Protected volume, max, m^3 - 1.0.
Protected volume leakage parameter, max, m^{-1} - 0.5.
Product weight, max, g - 900.
Operating temperature - from -40°C to +80°C.
Response temperature - +160°C.
Extinguishing time using MFP - not more than 5 sec.
Overall dimensions, mm - 20 x 20 x 1700.

Certificate of the Russian Federation.

Countries of export: Republic of Korea, People's Republic of China, Taiwan, Arab Republic of Egypt, United Arab Emirates, Kingdom of Saudi Arabia, Republic of Latvia, Republic of Bulgaria, Republic of Serbia, Republic of Belarus, Republic of Kazakhstan.

PiroKhimika LLC

TN VED Code 8531 11 095 0

Forced launch unit for the "Parabola" self-contained gas suppression unit

UPP1

It is intended for remote forced activation (starting) of "Parabola" self-contained gas suppression units used both individually and as part of a automatic fire fighting system. It is used in cases where it may be necessary to launch the unit manually or via a signal from the automatic fire fighting system.
Irrespective of the availability of the forced launch unit and its good condition, the "Parabola" self-contained gas suppression units retain their fire extinguishing properties and are self-activated when an open flame occurs or the temperature reaches threshold values.

Key performance parameters

Impedance - from 1.5 to 4 Ohm.
Safe current - 0.05 A (within 5 minutes).
Actuating current - 0.5 A.
Developed pressure - 100-200 kgf/cm^2 (in the volume of 5 cm^3).
Overall dimensions - 20 x 1.5 x 1.5 cm.
Wire length - up to 500 mm.
Hazard class - 4.1.

Certificate of the Russian Federation.

Countries of export: Republic of Korea, People's Republic of China, Taiwan, Arab Republic of Egypt, United Arab Emirates, Kingdom of Saudi Arabia, Republic of Latvia, Republic of Bulgaria, Republic of Serbia, Republic of Belarus, Republic of Kazakhstan.

PiroKhimika LLC

Forced launch unit for the "Podkova" self-contained fire extinguishing system

UPP0

It is designed for remote forced activation (starting) of self-contained fire extinguishing systems "Podkova" by the driver directly from the driver's cabin.
Irrespective of the availability of the forced launch unit and its good condition, the "Parabola" self-contained gas suppression units retain their fire extinguishing properties and are self-activated when an open flame occurs or the temperature reaches threshold values.

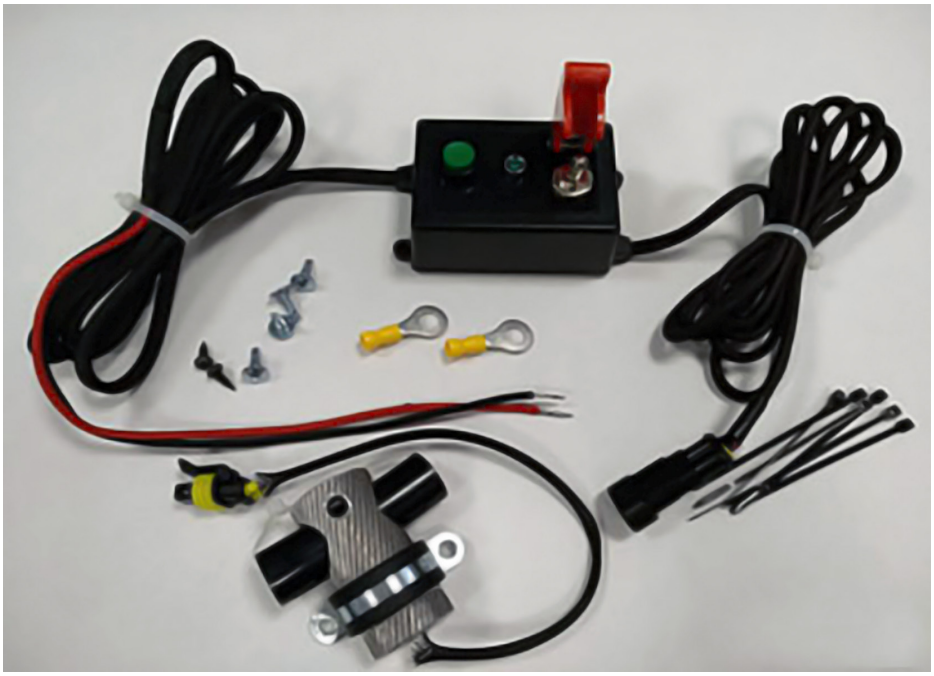
Key performance parameters

Actuating current - 0.5 A.
Pressure developed in the activation unit - at least 100 kgf/cm^2.
Gross weight - 400 g.
Hazard class - 4.1.
Operating temperature - from -40°C to +80 °C.
Service life - 5 years.

Certificate of the Russian Federation.

Countries of export: Republic of Korea, People's Republic of China, Taiwan, Arab Republic of Egypt, United Arab Emirates, Kingdom of Saudi Arabia, Republic of Latvia, Republic of Bulgaria, Republic of Serbia, Republic of Belarus, Republic of Kazakhstan.

PiroKhimika LLC



TN VED Code 8531 11 095 0



TN VED Code 8424 10 000 0

"Muravey" gas fire extinguishing system

Muravey-300

It is designed to extinguish various substances, which cannot be ignited in the absence of oxygen, fires in electric railway and public transport vehicles, electrical installations under the voltage of up to 10,000 V, fires in museums, art galleries and archives, in office premises containing office equipment, and also in the residential sectors. The system is equipped with a remote start system for integration into the general fire safety system at the facility.
The main advantage of the gas fire extinguishing modules is that carbon dioxide does not damage the extinguished facility and leaves no traces.

Key performance parameters

Maximum protected volume - 0.3 m^3.
Weight of GFES in the module - 0.2 kg.
Operating pressure - 6 MPa.
Pressure safety element response pressure - 22 MPa.
Lock and release device inside diameter (ID) - 3.1 mm.
Electrical actuator type - ignition cylinder or electromagnetic actuator.
Operating temperature - from -40°C to +50°C.
Module life time till discarding - at least 15 years.
Module recharging period - 5 years.
Lock and release device connecting thread - M18X1.5.
GFES escape time by weight - 10 s max.
Overall dimensions - 40 x 40 x 450 cm.

Certificate of the Russian Federation.

Countries of export: Republic of Korea, People's Republic of China, Taiwan, Arab Republic of Egypt, United Arab Emirates, Kingdom of Saudi Arabia, Republic of Latvia, Republic of Bulgaria, Republic of Serbia, Republic of Belarus, Republic of Kazakhstan.

PiroKhimika LLC



TN VED Code 8424 10 000 0

"Muravey" gas fire extinguishing system

Muravey-800

It is designed to extinguish various substances, which cannot be ignited in the absence of oxygen, fires in electric railway and public transport vehicles, electrical installations under the voltage of up to 10,000 V, fires in museums, art galleries and archives, in office premises containing office equipment, and also in the residential sectors. The system is equipped with a remote start system for integration into the general fire safety system at the facility.
The main advantage of the gas fire extinguishing modules is that carbon dioxide does not damage the extinguished facility and leaves no traces.

Key performance parameters

Maximum protected volume - 0.8 m^3.
Weight of GFES in the module - 0.95 kg.
Operating pressure - 6 MPa.
Pressure safety element response pressure - 22 MPa.
Lock and release device inside diameter (ID) - 3.1 mm.
Electrical actuator type - ignition cylinder or electromagnetic actuator.
Operating temperature - from -40°C to +50°C.
Module life time till discarding - at least 15 years.
Module recharging period - 5 years.
Lock and release device connecting thread - M18X1.5.
GFES escape time by weight - 10 s max.
Overall dimensions - 92 x 92 x 410 cm.

Certificate of the Russian Federation.

Countries of export: Republic of Korea, People's Republic of China, Taiwan, Arab Republic of Egypt, United Arab Emirates, Kingdom of Saudi Arabia, Republic of Latvia, Republic of Bulgaria, Republic of Serbia, Republic of Belarus, Republic of Kazakhstan.

PiroKhimika LLC



TN VED Code 8424 10 000 0

"Muravey" gas fire extinguishing system

Muravey-1500

It is designed to extinguish various substances, which cannot be ignited in the absence of oxygen, fires in electric railway and public transport vehicles, electrical installations under the voltage of up to 10,000 V, fires in museums, art galleries and archives, in office premises containing office equipment, and also in the residential sectors. The system is equipped with a remote start system for integration into the general fire safety system at the facility.
The main advantage of the gas fire extinguishing modules is that carbon dioxide does not damage the extinguished facility and leaves no traces.

Key performance parameters

Maximum protected volume - 1.5 m^3.
Weight of GFES in the module - 1.9 kg.
Operating pressure - 6 MPa.
Pressure safety element response pressure - 22 MPa.
Lock and release device inside diameter (ID) - 3.1 mm.
Electrical actuator type - ignition cylinder or electromagnetic actuator.
Operating temperature - from -40°C to +50°C.
Module life time till discarding - at least 15 years.
Module recharging period - 5 years.
Lock and release device connecting thread - M18X1.5.
GFES escape time by weight - 15 s max.
Overall dimensions - 108 x 108 x 510 cm.

Certificate of the Russian Federation.

Countries of export: Republic of Korea, People's Republic of China, Taiwan, Arab Republic of Egypt, United Arab Emirates, Kingdom of Saudi Arabia, Republic of Latvia, Republic of Bulgaria, Republic of Serbia, Republic of Belarus, Republic of Kazakhstan.

PiroKhimika LLC



TN VED Code 8424 10 000 0

"Muravey" gas fire extinguishing system

Muravey-2000

It is designed to extinguish various substances, which cannot be ignited in the absence of oxygen, fires in electric railway and public transport vehicles, electrical installations under the voltage of up to 10,000 V, fires in museums, art galleries and archives, in office premises containing office equipment, and also in the residential sectors. The system is equipped with a remote start system for integration into the general fire safety system at the facility.
The main advantage of the gas fire extinguishing modules is that carbon dioxide does not damage the extinguished facility and leaves no traces.

Key performance parameters

Maximum protected volume - 2.0 m^3.
Weight of GFES in the module - 2.5 kg.
Operating pressure - 6 MPa.
Pressure safety element response pressure - 22 MPa.
Lock and release device inside diameter (ID) - 3.1 mm.
Electrical actuator type - ignition cylinder or electromagnetic actuator.
Operating temperature - from -40°C to +50°C.
Module life time till discarding - at least 15 years.
Module recharging period - 5 years.
Lock and release device connecting thread - M18X1.5.
GFES escape time by weight - 15 s max.
Overall dimensions - 108 x 108 x 510 cm.

Certificate of the Russian Federation.

Countries of export: Republic of Korea, People's Republic of China, Taiwan, Arab Republic of Egypt, United Arab Emirates, Kingdom of Saudi Arabia, Republic of Latvia, Republic of Bulgaria, Republic of Serbia, Republic of Belarus, Republic of Kazakhstan.

PiroKhimika LLC

Mobile units

NATISK-12 BL, NATISK-30 BL, NATISK-50 BL, NATISK-100 BL, NATISK-300 BL, NATISK-600 W

It is designed to extinguish various seats of fire.

Key performance parameters

Extinguishing fires of A, B, C, E classes.
Compressed air foam volume - up to 6000 L.
Removable mobile units NATISK-300 BL. Can be installed on different units, if necessary.

Certificate of the Russian Federation.

Countries of export: Republic of Kazakhstan.

FTP Spetsavtotekhnika LLC



NATISK-300 BL trailer-mounted


NATISK-600 W


NATISK-12 BL


NATISK-50 BL

TN VED Code 8424 10 000 0



TN VED Code 8424 10 000 0

Extinguishing aerosol generator EAG MAG-02

MAG-02

It is designed to extinguish fires of classes A2, B and C according to GOST 27331; electrical equipment (class E) under a voltage up to 35,000 V.

Key performance parameters

Protected volume - 0.2 m^3.
Operating temperature - from -50°C to +50°C.
Service life - 5 years.

Countries of export: United Kingdom of Great Britain and Northern Ireland, RSA.

FSUE FCDT Soyuz



TN VED Code 8424 10 000 0

Extinguishing aerosol generator EAG MAG-01

MAG-1

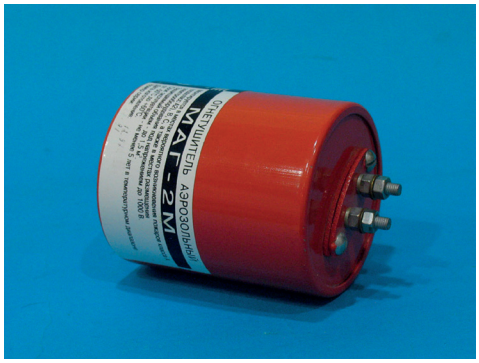
It is designed to extinguish fires of classes A2, B and C according to GOST 27331; electrical equipment (class E) under a voltage up to 35,000 V.

Key performance parameters

Protected volume - 0.2 m^3.
Operating temperature - from -50°C to +50°C.
Service life - 5 years.

Countries of export: United Kingdom of Great Britain and Northern Ireland, RSA.

FSUE FCDT Soyuz



TN VED Code 8424 10 000 0

Extinguishing aerosol generator EAG MAG-2;-2M

MAG-2; -2M

It is designed to extinguish fires of classes A2, B and C according to GOST 27331; electrical equipment (class E) under a voltage up to 35,000 V.

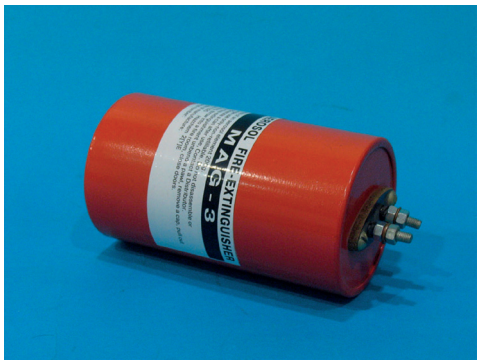
Key performance parameters

Protected volume - 1.1 m^3.
Operating temperature - from -50°C to +50°C.
Service life - 5 years.

Certificate of the Russian Federation.

Countries of export: United Kingdom of Great Britain and Northern Ireland, RSA.

FSUE FCDT Soyuz



TN VED Code 8424 10 000 0

Extinguishing aerosol generator EAG MAG-3

MAG-3

It is designed to extinguish fires of classes A2, B and C according to GOST 27331; electrical equipment (class E) under a voltage up to 35,000 V.

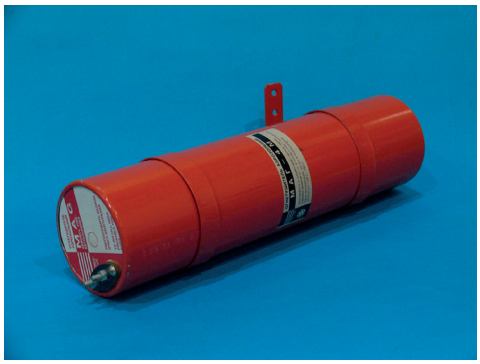
Key performance parameters

Protected volume - 2.2 m^3.
Operating temperature - from -50°C to +50°C.
Service life - 5 years.

Certificate of the Russian Federation.

Countries of export: United Kingdom of Great Britain and Northern Ireland, RSA.

FSUE FCDT Soyuz



TN VED Code 8424 10 000 0

Extinguishing aerosol generator EAG MAG-4;-4M;-4U

MAG-4; -4M; -4U

It is designed to extinguish fires of classes A2, B and C according to GOST 27331; electrical equipment (class E) under a voltage up to 35,000 V.

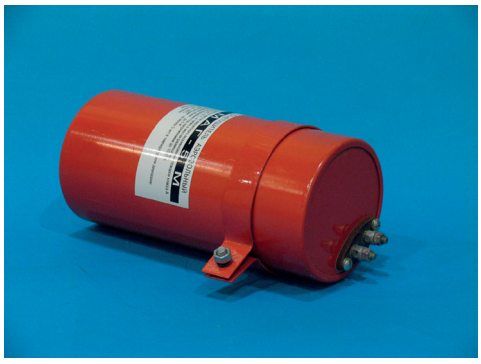
Key performance parameters

Protected volume - 10 m^3.
Operating temperature - from -50°C to +50°C.
Service life - 5 years.

Certificate of the Russian Federation.

Countries of export: United Kingdom of Great Britain and Northern Ireland, RSA.

FSUE FCDT Soyuz



TN VED Code 8424 10 000 0

Extinguishing aerosol generator EAG MAG-5/1

MAG-5/1

It is designed to extinguish fires of classes A2, B and C according to GOST 27331; electrical equipment (class E) under a voltage up to 35,000 V.

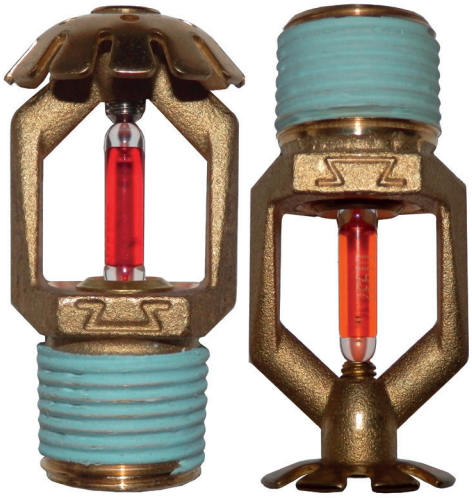
Key performance parameters

Protected volume - 5.3 m^3.
Operating temperature - from -50°C to +50°C.
Service life - 5 years.

Certificate of the Russian Federation.

Countries of export: United Kingdom of Great Britain and Northern Ireland, RSA.

FSUE FCDT Soyuz



TN VED Code 8481 80 990 7

General purpose water sprinkler and deluge sprinkler "SVV" and "SVN", "DVV" and "DVN"

SVO0-RVo(d)0.24-R1/2/P57(68, 79, 93, 141, 182).V3-"SVV-8"
SVO0-RVo(d)0.30-R1/2/P57(68, 79, 93, 141, 182).V3-"SVV-K57"
SVO0-RVo(d)0.35-R1/2/P57(68, 79, 93, 141, 182).V3-"SVV-10"
SVO0-RVo(d)0.42-R1/2/P57(68, 79, 93, 141, 182).V3-"SVV-K80"
SVO0-RVo(d)0.47-R1/2/P57(68, 79, 93, 141, 182).V3-"SVV-12"
SVO0-RVo(d)0.60-R1/2/P57(68, 79, 93, 141, 182).V3-"SVV-K115"
SVO0-RVo(d)0.77-R1/2/P57(68, 79, 93, 141, 182).V3-"SVV-15"
SVO0-RVo(d)0.84-R1/2/P57(68, 79, 93, 141, 182).V3-"SVV-K160"
SVO0-RNo(d)0.24-R1/2/P57(68, 79, 93, 141, 182).V3-"SVN-8"
SVO0-RNo(d)0.30-R1/2/P57(68, 79, 93, 141, 182).V3-"SVN-K57"
SVO0-RNo(d)0.35-R1/2/P57(68, 79, 93, 141, 182).V3-"SVN-10"
SVO0-RNo(d)0.42-R1/2/P57(68, 79, 93, 141, 182).V3-"SVN-K80"
SVO0-RNo(d)0.47-R1/2/P57(68, 79, 93, 141, 182).V3-"SVN-12"
SVO0-RNo(d)0.60-R1/2/P57(68, 79, 93, 141, 182).V3-"SVN-K115"
SVO0-RNo(d)0.77-R1/2/P57(68, 79, 93, 141, 182).V3-"SVN-15"
SVO0-RNo(d)0.84-R1/2/P57(68, 79, 93, 141, 182).V3-"SVN-K160"
DVO0-RVo(d)0.24-R1/2/V3-"DVV-8"
DVO0-RVo(d)0.30-R1/2/V3-"DVV-K57"
DVO0-RVo(d)0.35-R1/2/V3-"DVV-10"
DVO0-RVo(d)0.42-R1/2/V3-"DVV-K80"
DVO0-RVo(d)0.47-R1/2/V3-"DVV-12"
DVO0-RVo(d)0.60-R1/2/V3-"DVV-K115"
DVO0-RVo(d)0.77-R1/2/V3-"DVV-15"
DVO0-RVo(d)0.84-R1/2/V3-"DVV-K160"
DVO0-RNo(d)0.24-R1/2/V3-"DVN-8"
DVO0-RNo(d)0.30-R1/2/V3-"DVN-K57"
DVO0-RNo(d)0.35-R1/2/V3-"DVN-10"
DVO0-RNo(d)0.42-R1/2/V3-"DVN-K80"
DVO0-RNo(d)0.47-R1/2/V3-"DVN-12"
DVO0-RNo(d)0.60-R1/2/V3-"DVN-K115"
DVO0-RNo(d)0.77-R1/2/V3-"DVN-15"
DVO0-RNo(d)0.84-R1/2/V3-"DVN-K160"

It is designed for distribution of fire extinguishing agent over the protected area in order to extinguish fire, localize it or prevent its spread in multifunctional buildings.

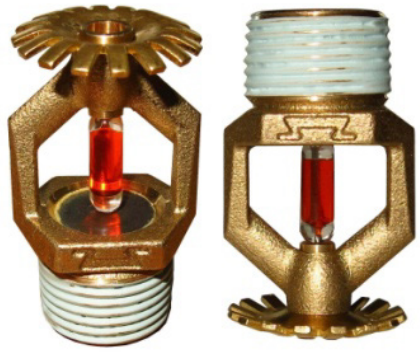
Key performance parameters

Operating pressure range, (P) MPa: 0.05-1.0.
Area of operation, m^2: 12.
K-factor: 3.1-11.

Certificate of the Russian Federation.
EAEU Certificate.
Certificate of the Republic of Kazakhstan.
Certificate of the Republic of Belarus.

Countries of export: Republic of Belarus, Republic of Uzbekistan, Kyrgyz Republic, Republic of Azerbaijan, Republic of Moldova, Mongolia.

PA Spetsavtomatika JSC



TN VED Code 8481 80 990 7

Special multipurpose water sprinkler and deluge sprinkler "SVU", "DVU"

CBS0-RUo(d)0.24-R1/2/P57(68, 79, 93, 141, 182).V3-"SVU-8M"
CBS0-RUo(d)0.30-R1/2/P57(68, 79, 93, 141, 182).V3-"SVU-K57M"
CBS0-RUo(d)0.35-R1/2/P57(68, 79, 93, 141, 182).V3-"SVU-10M"
CBS0-RUo(d)0.42-R1/2/P57(68, 79, 93, 141, 182).V3-"SVU-K80M"
CBS0-RUo(d)0.47-R1/2/P57(68, 79, 93, 141, 182).V3-"SVU-12M"
CBS0-RUo(d)0.60-R1/2/P57(68, 79, 93, 141, 182).V3-"SVU-K115M"
CBS0-RUo(d)0.77-R1/2/P57(68, 79, 93, 141, 182).V3-"SVU-15M"
CBS0-RUo(d)0.84-R1/2/P57(68, 79, 93, 141, 182).V3-"SVU-K160M"
DVS0-RUo(d)0.24-R1/2/V1-"DVU-8M"
DVS0-RUo(d)0.30-R1/2/V1-"DVU-K57M”
DVS0-RUo(d)0.35-R1/2/V1-"DVU-10M"
DVS0-RUo(d)0.42-R1/2/B1-"DVU-K80M"
DVS0-RUo(d)0.47-R1/2/V1-"DVU-12M"
DVS0-RUo(d)0.60-R1/2/V1-"DVU-K115M"
DVS0-RUo(d)0.77-R1/2/V1-"DVU-15M"
DVS0-RUo(d)0.84-R1/2/V1-"DVU-K160M"

It is designed for distribution of fire extinguishing agent over the protected area in order to extinguish fire, localize it or prevent its spread in multifunctional buildings and at the facilities, where there is no technical capability, subject to the requirements of cl. 5.1.11 and cl. 5.2.12 of SP 5.131300-2002, to use sprinklers of the same type and design within the same room, for example, in the installation position with the head only in a vertical downward orientation or only in a vertical upward orientation (ceiling projections, ventilation ducts and other elements of process equipment).

Key performance parameters

Operating pressure range, MPa: 0.1-1.6.
Area of operation, m^2: 12.
K-factor: 3.1-1.0.

Certificate of the Russian Federation.
EAEU Certificate.
Certificate of the Republic of Kazakhstan.
Certificate of the Republic of Belarus.

Countries of export: Republic of Belarus, Republic of Uzbekistan, Kyrgyz Republic, Republic of Azerbaijan, Republic of Moldova, Mongolia.

PA Spetsavtomatika JSC



TN VED Code 8481 80 990 7

Concealed sprinkler "SVK", "SSP"

SVK0-RNo 0.35-R1/2/P57(68).V3-"SVK-10"
SVK0-RNo 0.47-R1/2/P57(68).V3-"SVK-12"
SVK0-RNo 0.42-R1/2/P57(68).V3-"SVK-K80"
SVK0-RNo 0.60-R1/2/P57(68).V3-"SVK-K115"
SVK0-RNo 0.42-R1/2/P57(68).V3-"SSP-K80"
SVK0-RNo 0.60-R1/2/P57(68).V3-"SSP-K115"

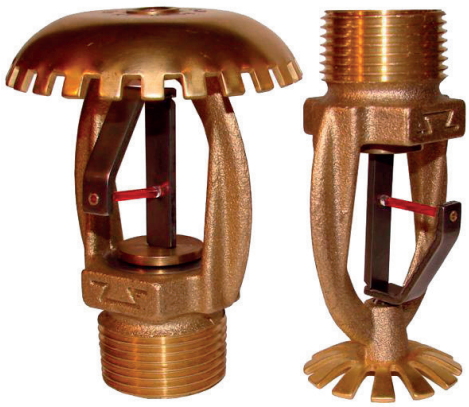
It is designed for uniform distribution of the extinguishing agent over the protected area and is installed in suspended ceilings in rooms with high requirements for appearance (hotel halls, shopping centers, theater halls, etc.).

Key performance parameters
Operating pressure range, MPa: 0.05-1.0.
Area of operation, m^2: 12.
K-factor: 66-115.

Certificate of the Russian Federation.
EAEU Certificate.
Certificate of the Republic of Kazakhstan.
Certificate of the Republic of Belarus.

Countries of export: Republic of Belarus, Republic of Uzbekistan, Kyrgyz Republic, Republic of Azerbaijan, Republic of Moldova, Mongolia.

PA Spetsavtomatika JSC



TN VED Code 8481 80 990 7

"SOBR®" high performance quick response sprinkler and deluge sprinkler

SUS0-Rno 1.28-R3/4/P68(93,141).V3-"SOBR®-17-N"
SUS0-RVo 1.28-R3/4/P68(93,141).V3-"SOBR®-17-V"
SUS0-RNo 1.91-R1/P68(93,141).V3-"SOBR®-25-N"
SUS0-RVo 1.91-R1/P68(93,141).V3-"SOBR®-25-V"

It is designed for early fire suppression and is used to protect high-bay warehouses with stationary and mobile racks with a storage height of up to 12.2 m without the use of in-rack sprinklers, and to protect premises of up to 20 m high.

Key performance parameters

Operating pressure range, MPa: 0.1-1.2.
Area of operation, m^2: 9.6.
K-factor: 16.8-25.0.

Certificate of the Russian Federation.
EAEU Certificate.
Certificate of the Republic of Kazakhstan.
Certificate of the Republic of Belarus.

Countries of export: Republic of Belarus, Republic of Uzbekistan, Kyrgyz Republic, Republic of Azerbaijan, Republic of Moldova, Mongolia.

PA Spetsavtomatika JSC



TN VED Code 8481 80 990 7

"Briz®" water spray sprinkler and deluge sprinkler

SVS0-PNo(d)0.085-R1/2/P57(68,79,93,141).V3-"Briz®-9/K16"
SVS0-PNo(d)0.085-R1/2/P57(68,79,93,141).V3-"Briz®-12/K16"
SVS0-PNo(d)0.120-R1/2/P57(68,79,93,141).V3-"Briz®-9/K23"
SVS0-PNo(d)0.120-R1/2/P57(68,79,93,141).V3-"Briz®-12/K23"
SVS0-PNo(d)0.120-R1/2/P57(68,79,93,141).V3-"Briz®-16/K23"
DBS0-PNo(d)0.085-R1/2/V3-"Briz®-9/K16"
DBS0-PNo(d)0.085-R1/2/V3-"Briz®-12/K16"
DBS0-PNo(d)0.120-R1/2/V3-"Briz®-9/K23"
DBS0-PNo(d)0.120-R1/2/V3-"Briz®-12/K23"
DBS0-PNo(d)0.120-R1/2/V3-"Briz®-16/K23"

It is designed for uniform spraying of water over the protected area and volume by making a finely dispersed flow of extinguishing agent, and is used to extinguish and localize A class fire.
The sprinklers are used to protect the premises of bookstacks, libraries, circuses, museums, art galleries, concert and cinema halls, shops, hotels, hospitals, as well as industrial premises, car service companies, garages and parking lots. According to the mounting location, the sprinkler is installed with the deflector in a vertical downward orientation.

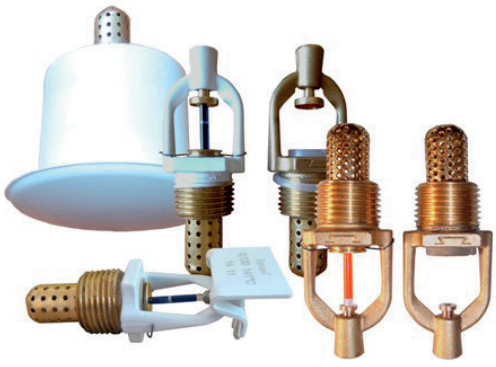
Key performance parameters

Operating pressure range, (P) MPa: 0.6-1.6.
Area of operation, m^2: 9, 12, 16.
K-factor: 16-23.

Certificate of the Russian Federation.
EAEU Certificate.
Certificate of the Republic of Kazakhstan.
Certificate of the Republic of Belarus.

Countries of export: Republic of Belarus, Republic of Uzbekistan, Kyrgyz Republic, Republic of Azerbaijan, Republic of Moldova, Mongolia.

PA Spetsavtomatika JSC



TN VED Code 8481 80 990 7

"Briz®-Vertikal" water spray sprinkler and deluge sprinkler

SVS0-PVo(d)0.08-R1/2/R57(68, 79, 93, 141).V3-"Briz-V"
DVS0-PVo(d)0.08-R1/2/V3-"Briz-V"

It is designed for uniform spraying of water over the protected area and volume by making a finely dispersed flow of extinguishing agent, and is used to extinguish and localize A class fire.
The sprinklers are used to protect the premises of bookstacks, libraries, circuses, museums, art galleries, concert and cinema halls, shops, hotels, hospitals, as well as industrial premises, car service companies, garages and parking lots. According to the mounting location, the sprinklers are installed with the deflector (screw) in a vertical upward orientation.

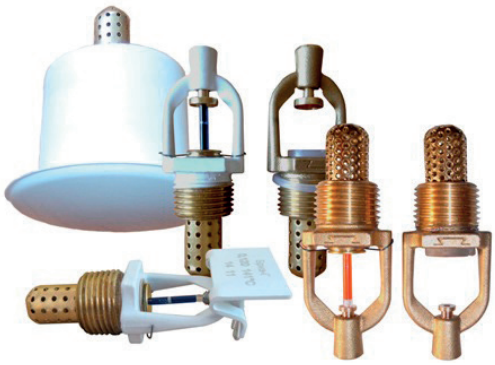
Key performance parameters

Operating pressure range, MPa: 0.6-1.6;
Area of operation, m^2: 9;
K-factor: 15.

Certificate of the Russian Federation.
EAEU Certificate.
Certificate of the Republic of Kazakhstan.
Certificate of the Republic of Belarus.

Countries of export: Republic of Belarus, Republic of Uzbekistan, Kyrgyz Republic, Republic of Azerbaijan, Republic of Moldova, Mongolia.

PA Spetsavtomatika JSC



TN VED Code 8481 80 990 7

"Briz®-Gorizont" water spray sprinkler and deluge sprinkler

SVS1-RGo(d)0.120-R1/2/R57(68,79,93,141).V3-"Briz-Gorizont"
DVS1-RGo(d)0.120-R1/2/V3-"Briz-Gorizont"

It is designed for uniform distribution of the extinguishing agent over the protected area and is used to extinguish and localize class A and B fires.
The sprinklers are used to protect the premises of bookstacks, libraries, circuses, museums, art galleries, concert and cinema halls, shops, hotels, hospitals, as well as industrial premises, car service companies, garages and parking lots.
According to the mounting location, the sprinkler is installed horizontally, with the water flow directed along the sprinkler axis.

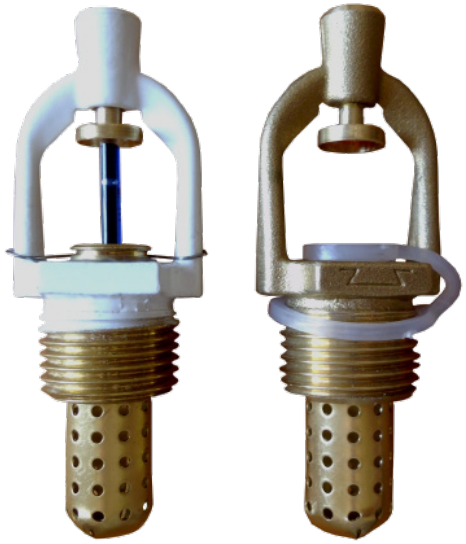
Key performance parameters

Operating pressure range, MPa: 0.60-1.6.
Area of operation, m^2: 20 (5 x 4).
K-factor: 23.

Certificate of the Russian Federation.
EAEU Certificate.
Certificate of the Republic of Kazakhstan.
Certificate of the Republic of Belarus.

Countries of export: Republic of Belarus, Republic of Uzbekistan, Kyrgyz Republic, Republic of Azerbaijan, Republic of Moldova, Mongolia.

PA Spetsavtomatika JSC



TN VED Code 8481 80 990 7

"Briz® – S" concealed sprinkler

SVK0-PNo 0.085-R1/2/R57(68).V3-"Briz-S-9/K16"
SVK0-PNo 0.085-R1/2/R57(68).V3-"Briz-S-12/K16"
SVK0-PNo 0.120-R1/2/R57(68).V3-"Briz-S-9/K23"
SVK0-PNo 0.120-R1/2/R57(68).V3-"Briz-S-12/K23"
SVK0-Pno 0.120-R1/2/R57(68).V3-"Briz-S-16/K23"

It is designed for uniform distribution of the extinguishing agent over the protected area and volume by making a finely dispersed flow of extinguishing agent, and is installed in suspended ceilings in rooms with high requirements for appearance (hotel halls, shopping centers, theater halls, etc.).

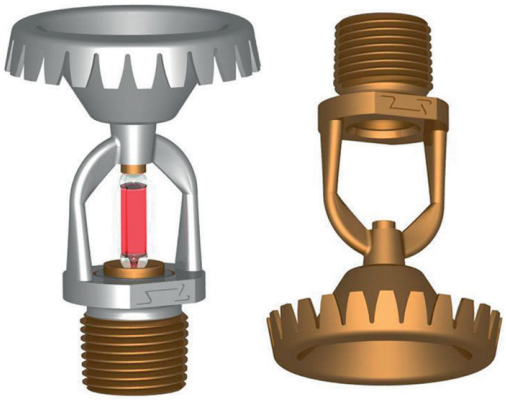
Key performance parameters

Operating pressure range, MPa: 0.60-1.6.
Area of operation, m^2: 9, 12, 16.
Performance factor: 0.085-0.120.

Certificate of the Russian Federation.
EAEU Certificate.
Certificate of the Republic of Kazakhstan.
Certificate of the Republic of Belarus.

Countries of export: Republic of Belarus, Republic of Uzbekistan, Kyrgyz Republic, Republic of Azerbaijan, Republic of Moldova, Mongolia.

PA Spetsavtomatika JSC



TN VED Code 8481 80 990 7

Multipurpose foam sprinkler and deluge sprinkler "SPU", "DPU"

SPO0-RUo(d)0.27-R1/2/R57(68).V3-"SPU-8"
SPO0-Ruo(d)0.74-R1/2/R57(68,79,93,141,182).V3-"SPU-15"
DPO0-RUo(d)0.27-R1/2/V3-"DPU-8"
DPO0-RUo(d)0.74-R1/2/V3-"DPU-15"

It is designed to obtain air-filled foam of low expansion rate from an aqueous solution of general-purpose foaming agent, type PO-6TS, grade A (concentration 6%) and its distribution over the protected surface.
The sprinklers are used as part of automatic water-foam fire extinguishing systems for multifunctional industrial facilities, for the purpose of extinguishing and irrigation locally and across the areas of premises when the use of low expansion foam is required; extinguishing spills of HFLs, baths and containers with HFLs, containers with HFLs, combustible synthetic and other materials; local extinguishing of installations, machines and mechanisms containing fuels and lubricants, and in any other cases where water-foam fire extinguishing is recommended, but the use of foam monitors or foam generators of greater capacity is impractical.

Key performance parameters

Operating pressure range, MPa: 0.1-1.0.

Area of operation, m^2: 12.
K-factor: 140.4-51.2.

Certificate of the Russian Federation.
EAEU Certificate.
Certificate of the Republic of Kazakhstan.
Certificate of the Republic of Belarus.

Countries of export: Republic of Belarus, Republic of Uzbekistan, Kyrgyz Republic, Republic of Azerbaijan, Republic of Moldova, Mongolia.

PA Spetsavtomatika JSC



TN VED Code 8481 80 990 7

"RTs-180" centrifugal atomizer

DVS0-TsPd0.18-R3/4/B1-"RTs-180"

It is designed to obtain air-filled foam of low expansion rate from an aqueous solution of general-purpose foaming agent, type PO-6TS, grade A (concentration 6%) and its distribution over the protected surface.
The sprinklers are used as part of automatic water-foam fire extinguishing systems for multifunctional industrial facilities, for the purpose of extinguishing and irrigation locally and across the areas of premises when the use of low expansion foam is required; extinguishing spills of HFLs, baths and containers with HFLs, containers with HFLs, combustible synthetic and other materials; local extinguishing of installations, machines and mechanisms containing fuels and lubricants, and in any other cases where water-foam fire extinguishing is recommended, but the use of foam monitors or foam generators of greater capacity is impractical.

Key performance parameters

Operating pressure range, MPa: 0.4-1.0.
Area of operation, m^2: 12.
K-factor: 2.3.

Certificate of the Russian Federation.
EAEU Certificate.
Certificate of the Republic of Kazakhstan.
Certificate of the Republic of Belarus.

Countries of export: Republic of Belarus, Republic of Uzbekistan, Kyrgyz Republic, Republic of Azerbaijan, Republic of Moldova, Mongolia.

PA Spetsavtomatika JSC



TN VED Code 8481 80 990 7

Evolvent sprinkler "OE-16", "OE-25"

DUS0-TsPd0.28-R1/2/V1-"OE-165"
DUS0-TsPd0.81-G1-B/V1-"OE-25"

It is intended for generating and distribution of more intensive sprayed stream of fire extinguishing agent in the form of water over the protected surface as compared to deflector sprinklers. It is used in stationary and modular fire extinguishing systems.
The sprinkler is used to extinguish and localize fires in cable galleries, transformer substations, industrial equipment, mechanisms, belt conveyors, tanks, premises of administrative and industrial buildings, warehouses, parking lots, locomotive depots and other facilities containing flammable liquids and combustible materials, coal and peat , oil and gas processing products, mechanical rubber goods and woodchip products, bulk products and others, synthetic and natural materials.

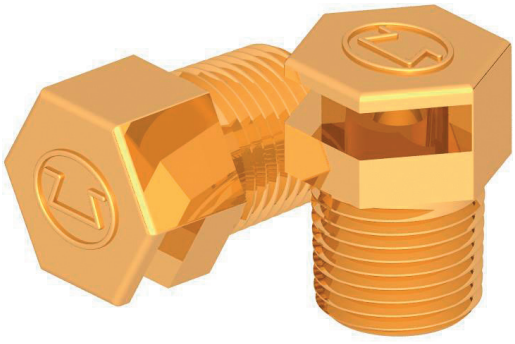
Key performance parameters

Operating pressure range, MPa: 0.1-1.0.
Area of operation, m^2: 9, 12.
Foam expansion ratio, min.: 6-8.

Certificate of the Russian Federation.
EAEU Certificate.
Certificate of the Republic of Kazakhstan.
Certificate of the Republic of Belarus.

Countries of export: Republic of Belarus, Republic of Uzbekistan, Kyrgyz Republic, Republic of Azerbaijan, Republic of Moldova, Mongolia.

PA Spetsavtomatika JSC



TN VED Code 8481 80 990 7

Deluge sprinkler for water curtains

DVZ1-ShchPo(d)0.19-R1/2/VZ- "ZVN-8",
DVZ1-ShchPo(d)0.40-R1/2/VZ- "ZVN-15"

It is intended for use as part of self-contained, automatic, semi-automatic and manually launched fire extinguishing systems, irrigation sections and water curtains in order to localize the source of fire and prevent the spread of fire through window, door and process-oriented openings outside the protected equipment, areas or rooms, and for ensuring acceptable conditions for evacuation of people from burning buildings.

In addition, the sprinkler is effectively used to cool down process equipment, including crude oil storage tanks, and to create water curtains between facilities to prevent the spread of fire.

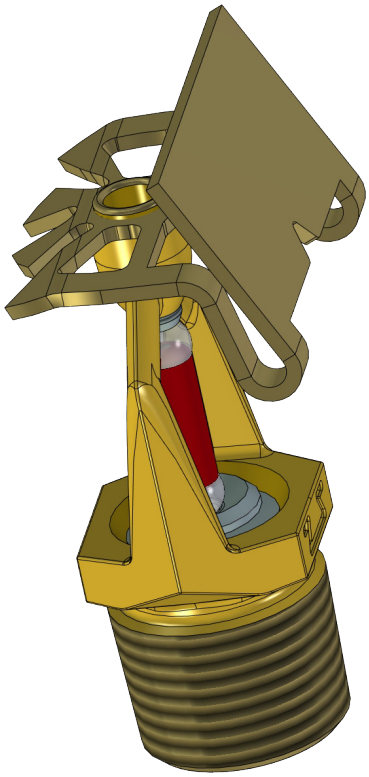
Key performance parameters

Operating pressure range, MPa: 0.05-0.5.
K-factor: 2.5-5.2.

Certificate of the Russian Federation.
EAEU Certificate.
Certificate of the Republic of Kazakhstan.
Certificate of the Republic of Belarus.

Countries of export: Republic of Belarus, Republic of Uzbekistan, Kyrgyz Republic, Republic of Azerbaijan, Republic of Moldova, Mongolia.

PA Spetsavtomatika JSC



TN VED Code 8481 80 990 7

Horizontal water sprinkler and deluge sprinkler "SVG", "DVG"

SVO1-RGo(d)0.35-R1/2/P57(68,79,93,141,182).V3-"SVG-10"
SVO1-RGo(d)0.47-R1/2/P57(68,79,93,141,182).V3-"SVG-12"
DVO1-RGo(d)0.35-R1/2/B3-"DVG-10"
DVO1-RGo(d)0.47-R1/2/V3-"DVG-12"

It is designed for spraying and distributing water over the protected area in order to extinguish fire, create water curtains, and for cooling down building and process structures.

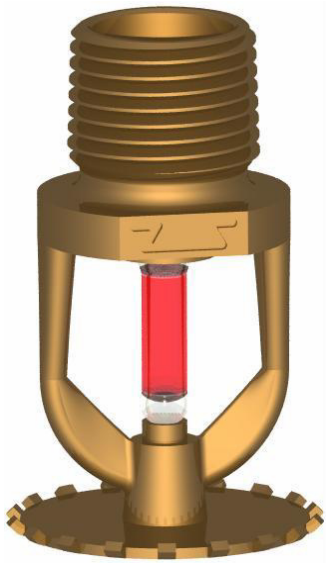
Key performance parameters

Operating pressure range, (P) MPa: 0.05-1.0.
Area of operation, m^2: 12 (3 x 4).
K-factor: 4.6-6.1.

Certificate of the Russian Federation.
EAEU Certificate.
Certificate of the Republic of Kazakhstan.
Certificate of the Republic of Belarus.

Countries of export: Republic of Belarus, Republic of Uzbekistan, Kyrgyz Republic, Republic of Azerbaijan, Republic of Moldova, Mongolia.

PA Spetsavtomatika JSC



TN VED Code 8481 80 990 7

"SSN" in-rack sprinkler

SVS0-RNo(d)0.47-R1/2/P57(68,79,93,141,182).V3-"SSN-12"
SVS0-RNo(d)0.80-R1/2/P57(68,79,93,141,182).V3-"SSN-15"

It is designed to extinguish fires in the in-rack space of rack warehouses with stationary and mobile racks with a storage height of up to 20 m.

Key performance parameters

Operating pressure range, MPa: 0.1-1.0.
Area of operation, m^2: 3.
K-factor: 6.1-10.4.

Certificate of the Russian Federation.
EAEU Certificate.
Certificate of the Republic of Kazakhstan.
Certificate of the Republic of Belarus.

Countries of export: Republic of Belarus, Republic of Uzbekistan, Kyrgyz Republic, Republic of Azerbaijan, Republic of Moldova, Mongolia.

PA Spetsavtomatika JSC



TN VED Code 8481 80 990 7

"PIRS" jet deluge sprinkler

DVS0-SVo0.04- R1/2 /V1S- "PIRS"

It is a special-purpose sprinkler designed to protect the designated areas of sea and river berthing systems, onshore facilities and moored vessels from fires.
It is designed for operation both indoors and outdoors, in the "Marine", "Maritime-industrial" atmospheres.

Key performance parameters

Operating pressure range, MPa: 0.8-1.2.
Water curtain size, m: 3.
Performance factor: 0.04.

Certificate of the Russian Federation.
EAEU Certificate.
Certificate of the Republic of Kazakhstan.
Certificate of the Republic of Belarus.

Countries of export: Republic of Belarus, Republic of Uzbekistan, Kyrgyz Republic, Republic of Azerbaijan, Republic of Moldova, Mongolia.

PA Spetsavtomatika JSC



TN VED Code 8481 80,990 7

Water and foam sprinkler and deluge sprinkler "SSU", "SSP", "SU", "SP"

SUO0-RNo(d)0.42-R1/2/P57(68,79,93,141,182).V3-"SSP-K80"
SUO0-RNo(d)0.60-R1/2/P57(68,79,93,141,182).V3-"SSP-K115"
SUO0-RVo(d)0.42-R1/2/P57(68,79,93,141,182).V3-"SSU-K80"
SUO0-RVo(d)0.60-R1/2/P57(68,79,93,141,182).V3-"SSU-K115"
DUO0-RNo(d)0.42-R1/2/B1-"SP-K80"
DUO0-RNo(d)0.60-R1/2/B1-"SP-K115"
DUO0-RVo(d)0.42-R1/2/B1-"SU-K80"
DUO0-RVo(d)0.60-R1/2/B1-"SU-K115"

It is designed for extinguishing fire seats, their localization and forming of water curtains in automatic fire extinguishing systems using water, low expansion foam from an aqueous solution of a general-purpose foaming agent of the type PO-6TS grade A(B) (concentration 6%).

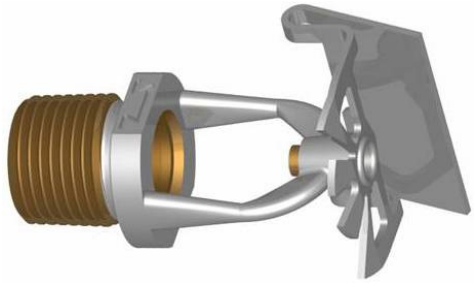
Key performance parameters

Operating pressure range, MPa: 0.1-1.6.
Area of operation, m^2: 12.
Performance factor: 0.42-0.60.

Certificate of the Russian Federation.
EAEU Certificate.
Certificate of the Republic of Kazakhstan.
Certificate of the Republic of Belarus.

Countries of export: Republic of Belarus, Republic of Uzbekistan, Kyrgyz Republic, Republic of Azerbaijan, Republic of Moldova, Mongolia.

PA Spetsavtomatika JSC



TN VED Code 8481 80,990 7

Horizontal water and foam sprinkler and deluge sprinkler "SVG-15", "DVG-15"

SUS1-RGo(d)0.74-R1/2/P57(68,79,93,141,182).V3-"SVG-15"
DUS1-RGo(d)0.74-R1/2/V3-"DVG-15"

It is designed for spraying and distributing water or an aqueous solution from a general-purpose foaming agent of type PO-6TS, grade A(B), (concentration 6%) over the operation area in order to create water curtains, cooling down building and process structures, extinguishing and spraying locally and across areas of premises when the use of low expansion foam is required. For industrial facilities for various purpose.

Key performance parameters

Operating pressure range, MPa: 0.10-1.0.
Area of operation, m^2: 20, 60.
K-factor: 9.7.

Certificate of the Russian Federation.
EAEU Certificate.
Certificate of the Republic of Kazakhstan.
Certificate of the Republic of Belarus.

Countries of export: Republic of Belarus, Republic of Uzbekistan, Kyrgyz Republic, Republic of Azerbaijan, Republic of Moldova, Mongolia.

PA Spetsavtomatika JSC



TN VED Code 8481 80,990 7

"ZVN-12" special high performance deluge sprinkler for creating small width curtains

DVS1-ShchPo(d)0.26-R1/2/V1-"ZVN-12"

It is intended for use as part of self-contained, automatic, semi-automatic and manually launched fire extinguishing systems, irrigation sections and water curtains in order to localize the source of fire and prevent the spread of fire through window, door and process-oriented openings of small width outside the protected equipment, areas or rooms, and for ensuring acceptable conditions for evacuation of people from burning buildings.
In addition, the sprinkler is effectively used to cool down process equipment, including crude oil storage tanks.

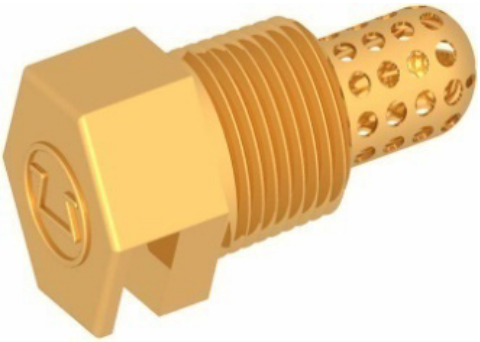
Key performance parameters

Operating pressure range, MPa: 0.1-0.4.
K-factor: 3.4.

Certificate of the Russian Federation.
EAEU Certificate.
Certificate of the Republic of Kazakhstan.
Certificate of the Republic of Belarus.

Countries of export: Republic of Belarus, Republic of Uzbekistan, Kyrgyz Republic, Republic of Azerbaijan, Republic of Moldova, Mongolia.

PA Spetsavtomatika JSC



TN VED Code 8481 80,990 7

Special deluge sprinkler "3BH-3", "3BH-5"

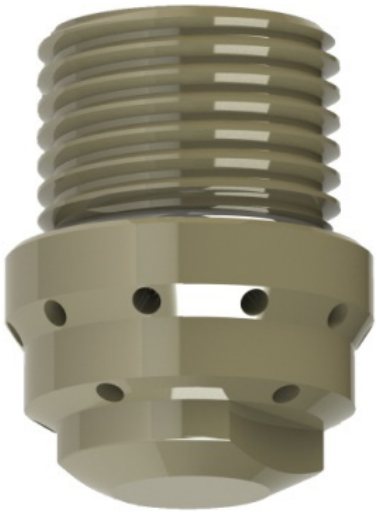
DVS1-SHCHPo(d)0.023-R1/2/V1 SO2, S-"ZVN-3"
DVS1-SHCHPo(d)0.053-R1/2/V1 SO2, S-"ZVN-5"

It is designed for operation both indoors and outdoors in the atmosphere types: "Industrial", "Marine", "Maritime industrial".
Sprinklers are used to extinguish fires with the deposition of combustion products in the garbage chute shafts of high-rise buildings; to cool down process equipment; to prevent the spread of fire through window, door and process-oriented openings outside the protected equipment, areas or rooms; to ensure acceptable conditions for evacuation of people from burning buildings, and to make water curtains between facilities, blocking the spread of fire.

Certificate of the Russian Federation.
EAEU Certificate.
Certificate of the Republic of Kazakhstan.
Certificate of the Republic of Belarus.

Countries of export: Republic of Belarus, Republic of Uzbekistan, Kyrgyz Republic, Republic of Azerbaijan, Republic of Moldova, Mongolia.

PA Spetsavtomatika JSC



TN VED Code 8481 80 990 7

"RVD" high pressure sprinkler and deluge sprinkler

SVS0-PNd0.010-G1/2/P57(68,79,93,141).V1-"RVD-S1"
SVS0-PNd0.021-G1/2/P57(68,79,93,141).V1-"RVD-S2"
SVS1-PGd0.015-G1/2/P57(68,79,93,141).V1-"RVD-SG"
DVS0-PNo(d)0.010-G1/2/V1-"RVD-D1"
DVS0-PNo(d)0.021-G1/2/V1-"RVD-D2"
DVS1-PGo(d)0.015-G1/2/B1-"RVD-DG"

It is designed to protect offices, teleconferencing premises, server rooms, telecommunication nodes; hotel complexes, museums, libraries, hospitals; marine vessels (engine rooms, cabins, corridors, etc.); garages and parking lots; cable galleries, etc.

Key performance parameters

Operating pressure range, (P) MPa: 7.0-12.0.
K-factor: 1.8-2.7.

Certificate of the Russian Federation.
EAEU Certificate.
Certificate of the Republic of Kazakhstan.
Certificate of the Republic of Belarus.

Countries of export: Republic of Belarus, Republic of Uzbekistan, Kyrgyz Republic, Republic of Azerbaijan, Republic of Moldova, Mongolia.

PA Spetsavtomatika JSC



TN VED Code 8424 89 000 9

"Direct-flow" water-filled sprinkler control unit complete with a delay device and chamber, DN 65, 80, 100 and 150

UU-S65(80,100,150)/1.6V-VF.O4- "Direct-flow - 100"
UU-S65(80,100,150)/1.6V-VF.O4-01-"Direct-flow - 100"

It is designed to be operated in water and foam extinguishing sprinkler units; it supplies fire extinguishing fluid to stationary automatic systems; it generates signals about its actuation and to turn on the fire pump.

Key performance parameters

Operating pressure, MPa: 0.14-1.6;
Response time, s: 2.0;
Signal delay time, s: 0.4, 8, 11, 12, 16.

Certificate of the Russian Federation.
EAEU Certificate.
Certificate of the Republic of Kazakhstan.
Certificate of the Republic of Belarus.

Countries of export: Republic of Belarus, Republic of Uzbekistan, Kyrgyz Republic, Republic of Azerbaijan, Republic of Moldova, Mongolia.

PA Spetsavtomatika JSC



TN VED Code 8424 89 000 9

"Shaltan" direct-flow water-filled sprinkler control unit, DN 65, 80, 100, 150 and 200

UU-S65(80,100,150)/1.6V-VF.O4-"Shaltan"

It is designed to be operated in water and foam extinguishing sprinkler units (water-filled); it supplies fire extinguishing fluid to stationary automatic systems; it generates signals about its actuation and to turn on the fire pump. The unit is designed to be operated at positive temperatures (+5°C and above).

Key performance parameters

Operating pressure, MPa: 0.14-1.6.
Actuation signal delay time, s: 0, 20, 40, 60, 80, 100 and 120.
Actuation time, max, s: 20.

Certificate of the Russian Federation.
EAEU Certificate.
Certificate of the Republic of Kazakhstan.
Certificate of the Republic of Belarus.

Countries of export: Republic of Belarus, Republic of Uzbekistan, Kyrgyz Republic, Republic of Azerbaijan, Republic of Moldova, Mongolia.

PA Spetsavtomatika JSC



TN VED Code 8424 89 000 9

Dry sprinkler control unit, DN 100 and 150

UU-S100(150)/1.6Vz-VF.O4
UU-S100(150)/1.6Vz-VF.O4-01

It is designed to be operated in water and foam fire extinguishing systems; it supplies fire extinguishing fluid, sends a signal to generate a command impulse to control the elements of automatic fire fighting equipment (pumps, public address system, turning off fans and process equipment, etc.), and also monitors the state and checks the performance of these systems during operation. Dry sprinkler control units are used at facilities with both positive and negative temperatures.

Key performance parameters

Operating pressure, MPa: 0.14-1.6.
Actuation time, max, s: 0.6-2.0.

Certificate of the Russian Federation.
EAEU Certificate.
Certificate of the Republic of Kazakhstan.
Certificate of the Republic of Belarus.

Countries of export: Republic of Belarus, Republic of Uzbekistan, Kyrgyz Republic, Republic of Azerbaijan, Republic of Moldova, Mongolia.

PA Spetsavtomatika JSC



TN VED Code 8424 89 000 9

Deluge control units complete with hydraulic, pneumatic and electric actuators, DN 100 and 150

UU-D100(150)/1.6(G0.07)-VF.O4
UU-D100(150)/1.6(P0.028)-VF.O4
D100(150)/1.6(E12, 24, 220)-VF.O4

They are designed to be operated in water and foam fire extinguishing systems; they supply fire extinguishing fluid, send a signal to generate a command impulse to control the elements of automatic fire fighting equipment (pumps, public address system, turning off fans and process equipment, etc.), and also monitor the state and check the performance of these systems during operation.

Key performance parameters

Operating pressure, MPa: 0.14-1.6.

Certificate of the Russian Federation.
EAEU Certificate.
Certificate of the Republic of Kazakhstan.
Certificate of the Republic of Belarus.

Countries of export: Republic of Belarus, Republic of Uzbekistan, Kyrgyz Republic, Republic of Azerbaijan, Republic of Moldova, Mongolia.

PA Spetsavtomatika JSC



TN VED Code 8424 89 000 9

"Low consumption" electrically actuated deluge control unit, DN 25, 32, 40, 50

D25(32, 40, 50)/1.6(E12, 24, 220)-GM.O4

It is intended for monitoring the state and checking the performance of the said systems during operation, as well as for supplying fire extinguishing agent, issuing a signal to generate a command impulse to the elements of automatic fire fighting equipment (pumps, public address system, turning off fans and process equipment, etc.) They are used with deluge water and foam fire extinguishing systems.

Key performance parameters

Operating pressure, MPa: 0.14-1.2.
Actuation time, max, s: 2.0.
Electric actuator rated supply voltage, V: 12/ 24/ 220.

Certificate of the Russian Federation.
EAEU Certificate.
Certificate of the Republic of Kazakhstan.
Certificate of the Republic of Belarus.

Countries of export: Republic of Belarus, Republic of Uzbekistan, Kyrgyz Republic, Republic of Azerbaijan, Republic of Moldova, Mongolia.

PA Spetsavtomatika JSC



TN VED Code 8424 89 000 9

Explosion-proof control unit complete with combined actuator, DN 100 and 150

It is designed to be operated as part of water and foam fire extinguishing systems.

Key performance parameters

Operating pressure, MPa: 0.14-1.6.
Actuation time, max, s: 2.0.

Certificate of the Russian Federation.
EAEU Certificate.
Certificate of the Republic of Kazakhstan.
Certificate of the Republic of Belarus.

Countries of export: Republic of Belarus, Republic of Uzbekistan, Kyrgyz Republic, Republic of Azerbaijan, Republic of Moldova, Mongolia.

PA Spetsavtomatika JSC



TN VED Code 8424 89 000 9

"Sprint" monitoring and launch control unit, DN 100 and 150

KPUU-S100/1.6Vz(E220)-VF.O4-"Sprint-100"
KPUU-S150/1.6Vz(E220)-VF.O4-"Sprint-150"

It is designed to make automatic water and foam fire extinguishing sprinkler systems complete with automatic launch control units.
MLCU "Sprint" constantly monitors the condition of sprinklers, monitors the the system health and indicates pipeline damage or sprinkler actuation. In the event of a fire, it supplies fire extinguishing agent. MLCU "Sprint" controls starting circuits generating the necessary initial signals to control fire extinguishing system. MLCU "Sprint" ensures increased safety against false alarms of the system.

Key performance parameters

Operating pressure, MPa: 0.14-1.6.
MLCU "Sprint" can operate according to the following algorithms:

- preliminary action;
- preliminary action with start-up control;
- dual launch control.

Certificate of the Russian Federation.
EAEU Certificate.
Certificate of the Republic of Kazakhstan.
Certificate of the Republic of Belarus.

Countries of export: Republic of Belarus, Republic of Uzbekistan, Kyrgyz Republic, Republic of Azerbaijan, Republic of Moldova, Mongolia.

PA Spetsavtomatika JSC



TN VED Code 8531 10 300 0

Garbage chute protection equipment set

The list of constituent equipment: aspirating fire detector AFD, special deluge sprinkler for water curtains ZVN-5, "Breeze" polymer coated finely sprayed water deluge sprinkler, motor-operated ball valve, angular connector, straight connector.

It is designed for continuous monitoring of the condition of sprinklers, monitors the system performance, indicates pipeline damage or sprinkler actuation, in the event of fire, it supplies fire extinguishing agent. MLCU "Sprint" controls starting circuits generating the necessary initial signals to control fire extinguishing system and ensures increased protection against false alarms of the systems.

Key performance parameters

The equipment protects the garbage chute from fires with the precipitation of combustion products using:

- aspiration of gas-air mixture from the controlled area;
- multivariate adaptive analysis of the process hazard level according to the factors accompanying fire;
- early detection of fire;
- supply of sprayed water to the garbage chamber, intake valves and garbage chute shaft;
- generating alarm signals to indoor and outdoor light and sound annunciators;
- broadcasting signals about the system state to the centralized monitoring panel.

Certificate of the Russian Federation.
EAEU Certificate.
Certificate of the Republic of Kazakhstan.
Certificate of the Republic of Belarus.

Countries of export: Republic of Belarus, Republic of Uzbekistan, Kyrgyz Republic, Republic of Azerbaijan, Republic of Moldova, Mongolia.

PA Spetsavtomatika JSC



TN VED Code 8424 89 000 9

Four-jet mesh-type foam generator FJMG

It is intended for obtaining air-filled foam from a foaming agent aqueous solution in foam fire-extinguishing systems to extinguish the surfaces of combustible and flammable liquids, reaction masses, etc. with a flat stream of medium expansion air-filled foam.

Key performance parameters
Operating pressure, MPa: 0.2-0.6.
Solution throughput, l/s: 7.3-12.6.
Foam expansion ratio: 70-100.

Certificate of the Russian Federation.
EAEU Certificate.
Certificate of the Republic of Kazakhstan.
Certificate of the Republic of Belarus.

Countries of export: Republic of Belarus, Republic of Uzbekistan, Kyrgyz Republic, Republic of Azerbaijan, Republic of Moldova, Mongolia.

PA Spetsavtomatika JSC



TN VED Code 8424 89 000 9

"Atlant" high-expansion foam generator

GPVeS-3/1.2.U1-"Atlant-2 (3, 4, 5, 6)"

It is designed to suppress or localize class A and B fires according to GOST 27331-87 using total flooding or local total flooding method, in buildings, premises and structures of the oil, chemical, petrochemical, gas and machine-building industries, as well as in warehouses, hangars (including the aircraft ones) and other facilities. The generator ensures obtaining high expansion air-filled foam from a foaming agent aqueous solution by means of air ejection.

Key performance parameters
Operating pressure, MPa: 0.5-1.2.
Solution throughput, l/s: 3-6.
Foam expansion ratio, min.: 500.

Certificate of the Russian Federation.
EAEU Certificate.
Certificate of the Republic of Kazakhstan.
Certificate of the Republic of Belarus.

Countries of export: Republic of Belarus, Republic of Uzbekistan, Kyrgyz Republic, Republic of Azerbaijan, Republic of Moldova, Mongolia.

PA Spetsavtomatika JSC



TN VED Code 8413 70,810 0

Foaming agent supply module FASM

MPP X-XX/XXX.XXXX
X - Mixer nominal diameter
XX - Mixing concentration, %
XXX - Pressure, MPa
XXXX - Model number

It is designed for automatic microprocessor-based dosing of foaming agent in sprinkler and deluge fire extinguishing systems to obtain a solution of a given concentration with a wide range of solution consumption, which ensures more efficient and cost effective foam extinguishing.

Key performance parameters

Mixer nominal size, mm: 80, 100 and 150.
Foaming agent aqueous solution consumption range, l/s: 1-140.

Certificate of the Russian Federation.
EAEU Certificate.
Certificate of the Republic of Kazakhstan.
Certificate of the Republic of Belarus.

Countries of export: Republic of Belarus, Republic of Uzbekistan, Kyrgyz Republic, Republic of Azerbaijan, Republic of Moldova, Mongolia.

PA Spetsavtomatika JSC



TN VED Code 8413 70,810 0

Modular fire water pump station MFWPS

It is intended for supplying fire extinguishing agent fire water supply networks and the networks for outdoor fire extinguishing of buildings and structures, process equipment, warehouses, etc. The capability of integration of the MFWPS into automatic fire suppression system is ensured by using the built-in Ethernet or RS-485 interfaces.

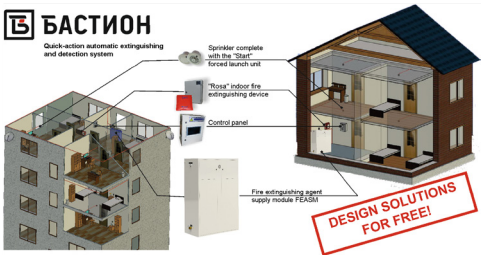
Key performance parameters

Dry running protection - gauge pressure transmitter.
Version 2.2 Water supply source - water pipeline (P = 1.5-6 kg/cm^2), sprinkler fire extinguishing system (P is up to 16 kg/cm^2).
Main pump, standby pump.
Jockey pump complete with hydropneumatic tank.
Piping, pressure measuring instruments.
Pump control cabinet - PCC.
Control and monitoring cabinet CMC, frame.
Dry running protection - gauge pressure transmitter.

Certificate of the Russian Federation.
EAEU Certificate.
Certificate of the Republic of Kazakhstan.
Certificate of the Republic of Belarus.

Countries of export: Republic of Belarus, Republic of Uzbekistan, Kyrgyz Republic, Republic of Azerbaijan, Republic of Moldova, Mongolia.

PA Spetsavtomatika JSC



TN VED Code 8413 70,810 0

"BASTION" fast-acting fire extinguishing system

The fast-acting fire extinguishing system "BASTION" may include:
"Briz-S-30/K45" special concealed sprinkler with an extended spray area;
"Briz-G-20/K16" special horizontal sprinkler;
"Briz-S-20/K16" special concealed sprinkler;
fire extinguishing agent supply module FEASM;
Control panel (control and signaling cabinet CSC);
"Rosa" indoor fire extinguishing device;
"Start-1" sprinkler forced launch unit;
"Start-2" sprinkler forced launch unit;
"Start-3" sprinkler forced launch unit;
Monitoring and control unit MCU (MAD)

It is designed for early detection and suppression of a fire source at facilities of the 1st and 2nd location hazard groups: offices, residential buildings, medical and educational institutions, hotels, saunas, restaurants, retirement homes, etc.

Key performance parameters

Fire detection time - 40 s.
Self-contained extinguishing time - 5 min.
Area protected by one sprinkler - 30 m^2.
Forced launch type - cartridge.
"Start" forced launch unit standby operation time - 10 years.

Certificate of the Russian Federation.
EAEU Certificate.
Certificate of the Republic of Kazakhstan.
Certificate of the Republic of Belarus.

Countries of export: Republic of Belarus, Republic of Uzbekistan, Kyrgyz Republic, Republic of Azerbaijan, Republic of Moldova, Mongolia.

PA Spetsavtomatika JSC



Thermal cable lock

ZT-57 (68, 79, 93, 141, 182).3 (5)

Cable lock is a cable lock start device of the inducing cable system for stationary deluge automatic systems and for emergency and smoke alarm valves.

Key performance parameters

Safe working load of the cable on the lock - 350 N.
Rated working load of the cable on the lock - 300 N.
Heat-sensitive element - glass bulb d3 or d5.
Response temperature from a row - 57°C, 68°C, 79°C, 93°C, 141°C, 182°C.

Lock specified service life - 10 years.

Certificate of the Russian Federation.
EAEU Certificate.
Certificate of the Republic of Kazakhstan.
Certificate of the Republic of Belarus.

Countries of export: Republic of Belarus, Republic of Uzbekistan, Kyrgyz Republic, Republic of Azerbaijan, Republic of Moldova, Mongolia.

PA Spetsavtomatika JSC



TN VED Code 8531 10 950 0

Liquid flow detector

SPZh (25-150)-0.63/1.6(3)-UN.(G1/2).U2-"Stream"

It is designed to control the liquid flow in pipelines of water fire extinguishing systems.

Key performance parameters

v4 - non-addressable version.
v5 - addressable control (RS-485, MODBUS-RTU protocol).
Three controlled relay outputs: (100 mA, 150 V and 3 A, 250 V).
Calibrated sensitivity - 0.63 dm^3/s.
Power supply - 9-30 V.
Average power consumption - 0.6 W max.

Certificate of the Russian Federation.
EAEU Certificate.
Certificate of the Republic of Kazakhstan.
Certificate of the Republic of Belarus.

Countries of export: Republic of Belarus, Republic of Uzbekistan, Kyrgyz Republic, Republic of Azerbaijan, Republic of Moldova, Mongolia.

PA Spetsavtomatika JSC



TN VED Code 9032 89 000 0

"Start-2" sprinkler (sprayer) forced launch unit

It is designed to protect institutions, apartments, commercial premises, warehouses, garages, etc., where people may stay,,from fires by simultaneous monitoring temperature buildup and infrared radiation fluctuations that are characteristic of an open flame, and in the event of a fire detection, generating a warning light and sound signal "Fire" and the command "Start" according to the requirements of SP 5.13130.2009.

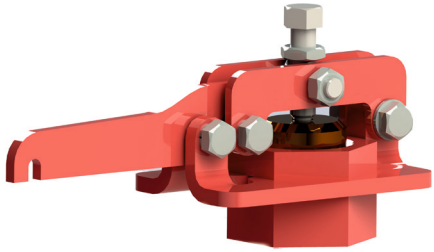
Key performance parameters

Impedance - 1.5-16 Ohm.
Safe current - within 5 minutes - 0.05 A.
Actuating current - 0.25 A.

Certificate of the Russian Federation.
EAEU Certificate.
Certificate of the Republic of Kazakhstan.
Certificate of the Republic of Belarus.

Countries of export: Republic of Belarus, Republic of Uzbekistan, Kyrgyz Republic, Republic of Azerbaijan, Republic of Moldova, Mongolia.

PA Spetsavtomatika JSC



TN VED Code 8424 89 000 9

KPTA-25 inducing cable valve

It is designed to launch water and foam automatic deluge fire extinguishing systems, which are activated when destructive heat-sensitive or other actuators are triggered to reset the load applied to the valve lock lever. It is used at special production facilities of any industry.

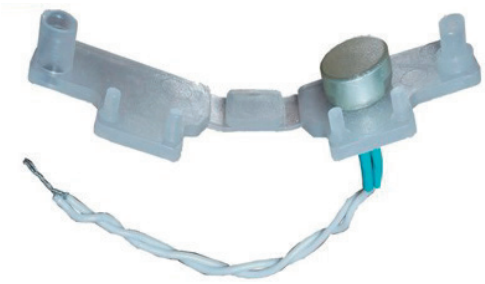
Key performance parameters

DN 25, operating pressure, MPa: 0.14-1.60; connecting thread G1" (female);
Rated consumption, l/min - 100.

Certificate of the Russian Federation.
EAEU Certificate.
Certificate of the Republic of Kazakhstan.
Certificate of the Republic of Belarus.

Countries of export: Republic of Belarus, Republic of Uzbekistan, Kyrgyz Republic, Republic of Azerbaijan, Republic of Moldova, Mongolia.

PA Spetsavtomatika JSC



TN VED Code 9032 89 000 0

"Start-1" sprinkler (sprayer) forced launch unit

It is designed to be installed on a sprinkler, it ensures forced launching the sprinkler by sending an external signal to the outputs of the integrated electrically controlled cartridge actuator.

Key performance parameters

The device is designed to work in combination with the sprinklers:

- water sprinkler "SVV", "SVN";
- water and foam sprinklers "SSP", "SSU;
- multipurpose foam sprinkler "SPU";
- horizontal sidewall water sprinkler "SVG";
- horizontal sidewall water and foam sprinklers "SVG-15";
- "SOBR®" high performance quick response sprinkler;
- "Briz®" water spray sprinkler;
- "Briz®-Vertikal" water spray pendent sprinkler.

Certificate of the Russian Federation.
EAEU Certificate.
Certificate of the Republic of Kazakhstan.
Certificate of the Republic of Belarus.

Countries of export: Republic of Belarus, Republic of Uzbekistan, Kyrgyz Republic, Republic of Azerbaijan, Republic of Moldova, Mongolia.

PA Spetsavtomatika JSC



TN VED Code 8424 89 000 9

"Bage" single-disk check valve

KO (65 80, 100, 150)/ 1.6-UM(F).O4-"Bage"

It is designed to prevent backflow of water in case of pressure drop in the supply pipeline.

Key performance parameters

Operating pressure, MPa: 0.14-1.6.

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EAEU Certificate.
Certificate of the Republic of Kazakhstan.
Certificate of the Republic of Belarus.

Countries of export: Republic of Belarus, Republic of Uzbekistan, Kyrgyz Republic, Republic of Azerbaijan, Republic of Moldova, Mongolia.

PA Spetsavtomatika JSC



TN VED Code 9032 89 000 0

"Start-3" sprinkler (sprayer) forced launch unit

It is designed to be mounting on a sprinkler, it ensures early fire detection by monitoring temperature buildup and infrared radiation fluctuations, performs forced self-contained and remote launch of the sprinkler by means of the integrated cartridge actuator.

Key performance parameters

Ultra-early multicriteria fire detection at the initial development stages - fire detection time does not exceed 40 s.
Forced launch type - cartridge.
The device is powered by three built-in 1.5 V AA batteries, when the "Start-3" forced launch device operation time is in normal mode. User-friendly installation and maintenance.

Certificate of the Russian Federation.
EAEU Certificate.
Certificate of the Republic of Kazakhstan.
Certificate of the Republic of Belarus.

Countries of export: Republic of Belarus, Republic of Uzbekistan, Kyrgyz Republic, Republic of Azerbaijan, Republic of Moldova, Mongolia.

PA Spetsavtomatika JSC



TN VED Code 9032 89 000 0

Exhauster

E50/1.2 (E12)-VM.U3.1

It is designed to be operated as part of fire extinguishing systems, it ensures automatic air discharge from air-filled sprinkler systems to a dedicated area after a control signal is sent until the supply and distribution pipelines are filled with a fire-extinguishing agent.

Key performance parameters

The time for air discharge from pressurized air chamber with a volume of 1 m^3 (0.35 ± 0.05) MPa, until a pressure of (0.20 ± 0.02) MPa is reached, no more than 3 s.
Control signal voltage - 12 V, at a current of 55 mA.
Power supply from an alternating current with a voltage of 220 V or from a built-in battery (12 V, 2.3 Ah).
Maximum pneumatic pressure - 0.60 MPa, hydraulic pressure - 1.2 MPa.
Weight - 25 kg max.

Certificate of the Russian Federation.
EAEU Certificate.
Certificate of the Republic of Kazakhstan.
Certificate of the Republic of Belarus.

Countries of export: Republic of Belarus, Republic of Uzbekistan, Kyrgyz Republic, Republic of Azerbaijan, Republic of Moldova, Mongolia.

PA Spetsavtomatika JSC



TN VED Code 9032 89 000 0

"Start-4" sprinkler (sprayer) forced launch device

It is designed to protect high-rack warehouses and similar facilities with a height of up to 25 m from fires. In case of fire detection, it sends a warning light and sound signal "Fire" and a control command "Start" to a cartridge actuator to ensure forced launch of sprinklers or an electric actuator of the fire-extinguishing agent supply unit including monitoring the health of these circuits.

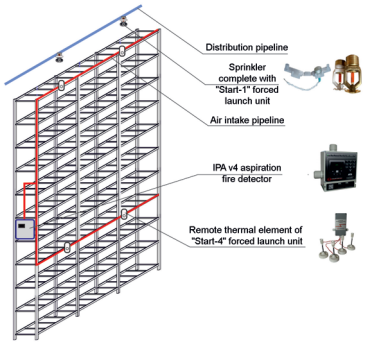
Key performance parameters

The device detects fire by simultaneously monitoring the rate of temperature rise (differential channel) or temperature threshold value (maximum value) in four adjacent areas using low-inertia thermal sensors spaced apart to a distance of up to 9 m. The device ensures self-contained automatic and remote control with a programmable function of local and global launch and remote blocking of automatic launch.

Certificate of the Russian Federation.
EAEU Certificate.
Certificate of the Republic of Kazakhstan.
Certificate of the Republic of Belarus.

Countries of export: Republic of Belarus, Republic of Uzbekistan, Kyrgyz Republic, Republic of Azerbaijan, Republic of Moldova, Mongolia.

PA Spetsavtomatika JSC



TN VED Code 8531 10 300 0

Automatic fire extinguishing system for high-rise shelving warehouses

AUP-VSS-PIKET

It is designed for localizing or extinguishing fires in stationary high-rise shelving warehouses of groups 5, 6 according to SP 5.13130 with a storage height of up to 15 m inclusive and a room height of up to 20 m, with a maximum width of a twin rack of up to 3 m. The warehouse premises height should be at least 2 m higher than the height of the stored goods.

Key performance parameters

Extinguishing is ensured by placing the SVN-15 sprinklers with forced launch on the distribution pipeline, over the rack along its entire length. The protection efficiency of racks with a height of up to 15 m, inclusive, at a room height of up to 20 m, inclusive, is achieved by using an early fire detection system, which is located in the in-rack space.

Certificate of the Russian Federation.
EAEU Certificate.
Certificate of the Republic of Kazakhstan.
Certificate of the Republic of Belarus.

Countries of export: Republic of Belarus, Republic of Uzbekistan, Kyrgyz Republic, Republic of Azerbaijan, Republic of Moldova, Mongolia.

PA Spetsavtomatika JSC



TN VED Code 8531 10 950 0

SDU-M pressure indicator

SD 0.02/15(1) G 1/2-V/02-"SDU-M"

A signaling device that responds to working medium pressure changes relative to the ambient air pressure by closing/opening the contact group.

Key performance parameters

The indicator contacts ensure switching of:

- alternating current circuits with a voltage of from 0.2 to 250 V in the range of 22 × 10^{-6} - 3.0 A;
- direct current circuits with a voltage of from 0.2 to 30 V in the range of 22 × 10^{-6} - 4.0 A.

The working medium pressure range under the diaphragm relative to the ambient air pressure of the signaling device is 0-15.0 MPa.

Certificate of the Russian Federation.
EAEU Certificate.
Certificate of the Republic of Kazakhstan.
Certificate of the Republic of Belarus.

Countries of export: Republic of Belarus, Republic of Uzbekistan, Kyrgyz Republic, Republic of Azerbaijan, Republic of Moldova, Mongolia.

PA Spetsavtomatika JSC



TN VED Code 8413 70,810 0

"BASTION-VD" high pressure pumping unit

NUVD

It is designed for ultra-early detection and suppression of fire sources at an early stage with small volumes of water (fires of classes A and B). It is used for high-performance protection of premises of groups 1, 2: offices, record-keeping offices, arts and cultural facilities, cable structures, etc.

Key performance parameters

Ultra-early multicriteria fire detection at the initial development stages.
The response time is 10 or more times less than that of conventional sprinkler automatic fire extinguishing systems - this is the minimum amount of heat generated and toxic combustion products.
Minimum water consumption for extinguishing and significant reduction of losses from the effects of fire extinguishing agents;
the capability of extinguishing live electrical equipment and cables.
Consumption rate, l/min: 70.
Pressure, atm: 110.
Power, kW: 15.

Certificate of the Russian Federation.
EAEU Certificate.
Certificate of the Republic of Kazakhstan.
Certificate of the Republic of Belarus.

Countries of export: Republic of Belarus, Republic of Uzbekistan, Kyrgyz Republic, Republic of Azerbaijan, Republic of Moldova, Mongolia.

PA Spetsavtomatika JSC



TN VED Code 8531 10 300 0

SDTs "Stress" pressure accelerator-indicator

SDTs 1.6(5)-UN (G1/2).U2-"Stress"

It is designed for accelerated detection of sprinkler actuation by monitoring static and dynamic pressure parameters in the automatic fire extinguishing system pipeline, sending control commands to turn on/off the air compressor or jockey pump. It can operate as a high-precision contact digital pressure gauge.

Key performance parameters

Sensitivity to the rate of change of pressure in the supply and distribution pipeline system - 0.0007 MPa/s.
It generates control commands for integrated optocoupler relays (100 mA, 220 V).
It is equipped with LCD and LED indicators for visual monitoring.
Response time - 10 s max.

Certificate of the Russian Federation.
EAEU Certificate.
Certificate of the Republic of Kazakhstan.
Certificate of the Republic of Belarus.

Countries of export: Republic of Belarus, Republic of Uzbekistan, Kyrgyz Republic, Republic of Azerbaijan, Republic of Moldova, Mongolia.

PA Spetsavtomatika JSC

"Purga-5" combined fire extinguishing system

Stationary system with attachment flange

It is designed to obtain low- and medium expansion air-filled foam with increased effective jet range. The systems can be used to extinguish fires of flammable and combustible liquids, solid combustible materials, and to create light and thermal protection shields in areas of accidents, disasters, natural disasters, for degassing and decontamination, masking civilian and military facilities, as well as during the process of explosion and fire prevention at LHG and LNG facilities.

Key performance parameters

Water (foaming agent solution) throughput: 5 l/s.
Medium expansion foam throughput: 21,000 l/min.
Effective range of medium expansion foam jet: 20-25 m.
Inlet pressure: 0.8 MPa.
Foam expansion ratio: 70.
Foaming agent flow rate: 0.36 l/s.

Certificate of the Russian Federation.

Countries of export: Republic of Belarus, Republic of Kazakhstan, Ukraine, Republic of Uzbekistan, People's Republic of China, Republic of Poland, Republic of Latvia, Republic of Lithuania, Republic of Estonia, Republic of Cuba, Republic of India, Kingdom of Norway, Republic of Azerbaijan, Georgia, Republic of Chile.

SPA SOPOT LLC



TN VED Code 8424 89 000 9

"Purga-5" combined fire extinguishing system

Stationary system with manually controlled rotary group on the attachment flange

It is designed to obtain low- and medium expansion air-filled foam with increased effective jet range. The systems can be used to extinguish fires of flammable and combustible liquids, solid combustible materials, and to create light and thermal protection shields in areas of accidents, disasters, natural disasters, for degassing and decontamination, masking civilian and military facilities, as well as during the process of explosion and fire prevention at LHG and LNG facilities.

Key performance parameters

Water (foaming agent solution) throughput: 5 l/s.
Medium expansion foam throughput: 21,000 l/min.
Effective range of medium expansion foam jet: 20-25 m.
Inlet pressure: 0.8 MPa.
Foam expansion ratio: 70.
Foaming agent flow rate: 0.36 l/s.

Certificate of the Russian Federation.

Countries of export: Republic of Belarus, Republic of Kazakhstan, Ukraine, Republic of Uzbekistan, People's Republic of China, Republic of Poland, Republic of Latvia, Republic of Lithuania, Republic of Estonia, Republic of Cuba, Republic of India, Kingdom of Norway, Republic of Azerbaijan, Georgia, Republic of Chile.

SPA SOPOT LLC



TN VED Code 8424 89 000 9

"Purga-7" combined fire extinguishing system

Stationary systems complete with rotary groups

It is designed to obtain low- and medium expansion air-filled foam with increased effective jet range. The systems can be used to extinguish fires of flammable and combustible liquids, solid combustible materials, and to create light and thermal protection shields in areas of accidents, disasters, natural disasters, for degassing and decontamination, masking civilian and military facilities, as well as during the process of explosion and fire prevention at LHG and LNG facilities.

Key performance parameters

Water (foaming agent solution) throughput: 7 l/s.
Medium expansion foam throughput: 29,400 l/min.
Effective range of medium expansion foam jet: 30 m.
Inlet pressure: 0.8 MPa.
Foam expansion ratio: 70.
Foaming agent flow rate: 0.4 l/s.

Certificate of the Russian Federation.

Countries of export: Republic of Belarus, Republic of Kazakhstan, Ukraine, Republic of Uzbekistan, People's Republic of China, Republic of Poland, Republic of Latvia, Republic of Lithuania, Republic of Estonia, Republic of Cuba, Republic of India, Kingdom of Norway, Republic of Azerbaijan, Georgia, Republic of Chile.

SPA SOPOT LLC



TN VED Code 8424 89 000 9

Combined fire extinguishing installation "Purga-10"

Mobile

It is designed to obtain low- and medium expansion air-filled foam with increased effective jet range. The systems can be used to extinguish fires of flammable and combustible liquids, solid combustible materials, and to create light and thermal protection shields in areas of accidents, disasters, natural disasters, for degassing and decontamination, masking civilian and military facilities, as well as during the process of explosion and fire prevention at LHG and LNG facilities.

Key performance parameters

Water (foaming agent solution) throughput: 10 l/s.
Medium expansion foam throughput: 42,000 l/min.
Effective range of medium expansion foam jet: 30 m.
Inlet pressure: 0.8 MPa.
Foam expansion ratio: 60-70.
Foaming agent flow rate: 10 l/s.

Certificate of the Russian Federation.

Countries of export: Republic of Belarus, Republic of Kazakhstan, Ukraine, Republic of Uzbekistan, People's Republic of China, Republic of Poland, Republic of Latvia, Republic of Lithuania, Republic of Estonia, Republic of Cuba, Republic of India, Kingdom of Norway, Republic of Azerbaijan, Georgia, Republic of Chile.

SPA SOPOT LLC



TN VED Code 8424 89 000 9

"Purga-10" combined fire extinguishing system

Stationary, manually operated system complete with flange-based swivel groups

It is designed to obtain low- and medium expansion air-filled foam with increased effective jet range. The systems can be used to extinguish fires of flammable and combustible liquids, solid combustible materials, and to create light and thermal protection shields in areas of accidents, disasters, natural disasters, for degassing and decontamination, masking civilian and military facilities, as well as during the process of explosion and fire prevention at LHG and LNG facilities.

Key performance parameters

Water (foaming agent solution) throughput: 10 l/s.
Medium expansion foam throughput: 42,000 l/min.
Effective range of medium expansion foam jet: 30 m.
Inlet pressure: 0.8 MPa.
Foam expansion ratio: 60-70.
Foaming agent flow rate: 10 l/s.

Certificate of the Russian Federation.

Countries of export: Republic of Belarus, Republic of Kazakhstan, Ukraine, Republic of Uzbekistan, People's Republic of China, Republic of Poland, Republic of Latvia, Republic of Lithuania, Republic of Estonia, Republic of Cuba, Republic of India, Kingdom of Norway, Republic of Azerbaijan, Georgia, Republic of Chile.

SPA SOPOT LLC



TN VED Code 8424 89 000 9

"Purga-20" combined fire extinguishing system

Manually operated stationary system

It is designed to obtain low- and medium expansion air-filled foam with increased effective jet range. The systems can be used to extinguish fires of flammable and combustible liquids, solid combustible materials, and to create light and thermal protection shields in areas of accidents, disasters, natural disasters, for degassing and decontamination, masking civilian and military facilities, as well as during the process of explosion and fire prevention at LHG and LNG facilities.

Key performance parameters

Water (foaming agent solution) throughput: 20 l/s.
Medium expansion foam throughput: 48,000 l/min.
Effective range of medium expansion foam jet: 35 m.
Inlet pressure: 0.8 MPa.
Foam expansion ratio: 40.
Foaming agent flow rate: 1.6 l/s.

Certificate of the Russian Federation.

Countries of export: Republic of Belarus, Republic of Kazakhstan, Ukraine, Republic of Uzbekistan, People's Republic of China, Republic of Poland, Republic of Latvia, Republic of Lithuania, Republic of Estonia, Republic of Cuba, Republic of India, Kingdom of Norway, Republic of Azerbaijan, Georgia, Republic of Chile.

SPA SOPOT LLC



TN VED Code 8424 89 000 9

"Purga-30" combined fire extinguishing system

Manually operated stationary system

It is designed to obtain low- and medium expansion air-filled foam with increased effective jet range. The systems can be used to extinguish fires of flammable and combustible liquids, solid combustible materials, and to create light and thermal protection shields in areas of accidents, disasters, natural disasters, for degassing and decontamination, masking civilian and military facilities, as well as during the process of explosion and fire prevention at LHG and LNG facilities.

Key performance parameters

Water (foaming agent solution) throughput: 30 l/s.
Medium expansion foam throughput: 54,000 l/min.
Effective range of medium expansion foam jet: 45-50 m.
Inlet pressure: 0.8 MPa.
Foam expansion ratio: 30.
Foaming agent flow rate: 108 l/min.

Certificate of the Russian Federation.

Countries of export: Republic of Belarus, Republic of Kazakhstan, Ukraine, Republic of Uzbekistan, People's Republic of China, Republic of Poland, Republic of Latvia, Republic of Lithuania, Republic of Estonia, Republic of Cuba, Republic of India, Kingdom of Norway, Republic of Azerbaijan, Georgia, Republic of Chile.

SPA SOPOT LLC



TN VED Code 8424 89 000 9

"Purga-30" combined fire extinguishing system

Remotely operated stationary system

It is designed to obtain low- and medium expansion air-filled foam with increased effective jet range. The systems can be used to extinguish fires of flammable and combustible liquids, solid combustible materials, and to create light and thermal protection shields in areas of accidents, disasters, natural disasters, for degassing and decontamination, masking civilian and military facilities, as well as during the process of explosion and fire prevention at LHG and LNG facilities.

Key performance parameters

Water (foaming agent solution) throughput: 30 l/s.
Medium expansion foam throughput: 54,000 l/min.
Effective range of medium expansion foam jet: 45-50 m.
Inlet pressure: 0.8 MPa.
Foam expansion ratio: 30.
Foaming agent flow rate: 108 l/min.

Certificate of the Russian Federation.

Countries of export: Republic of Belarus, Republic of Kazakhstan, Ukraine, Republic of Uzbekistan, People's Republic of China, Republic of Poland, Republic of Latvia, Republic of Lithuania, Republic of Estonia, Republic of Cuba, Republic of India, Kingdom of Norway, Republic of Azerbaijan, Georgia, Republic of Chile.

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TN VED Code 8424 89 000 9

"Purga-40" combined fire extinguishing system

Manually operated stationary system

It is designed to obtain low- and medium expansion air-filled foam with increased effective jet range. The systems can be used to extinguish fires of flammable and combustible liquids, solid combustible materials, and to create light and thermal protection shields in areas of accidents, disasters, natural disasters, for degassing and decontamination, masking civilian and military facilities, as well as during the process of explosion and fire prevention at LHG and LNG facilities.

Key performance parameters

Water (foaming agent solution) throughput: 30 l/s.
Medium expansion foam throughput: 54,000 l/min.
Effective range of medium expansion foam jet: 45-50 m.
Inlet pressure: 0.8 MPa.
Foam expansion ratio: 30.
Foaming agent flow rate: 108 l/min.

Certificate of the Russian Federation.

Countries of export: Republic of Belarus, Republic of Kazakhstan, Ukraine, Republic of Uzbekistan, People's Republic of China, Republic of Poland, Republic of Latvia, Republic of Lithuania, Republic of Estonia, Republic of Cuba, Republic of India, Kingdom of Norway, Republic of Azerbaijan, Georgia, Republic of Chile.

SPA SOPOT LLC



TN VED Code 8424 89 000 9

"Purga-40" combined fire extinguishing system

Remotely controlled foam tower nozzle

It is designed for combined operation with the "Purga" combined fire extinguishing system. The "Purga" combined fire extinguishing systems are designed to obtain low- and medium expansion air-filled foam with increased effective jet range. The systems can be used to extinguish fires of flammable and combustible liquids, solid combustible materials, and to create light and thermal protection shields in areas of accidents, disasters, natural disasters, for degassing and decontamination, masking civilian and military facilities, as well as during the process of explosion and fire prevention at LHG and LNG facilities.

Key performance parameters

Water (foaming agent solution) throughput: 30 l/s.
Medium expansion foam throughput: 54,000 l/min.
Effective range of medium expansion foam jet: 45-50 m.
Inlet pressure: 0.8 MPa.
Foam expansion ratio: 30.
Foaming agent flow rate: 108 l/min.

Certificate of the Russian Federation.

Countries of export: Republic of Belarus, Republic of Kazakhstan, Ukraine, Republic of Uzbekistan, People's Republic of China, Republic of Poland, Republic of Latvia, Republic of Lithuania, Republic of Estonia, Republic of Cuba, Republic of India, Kingdom of Norway, Republic of Azerbaijan, Georgia, Republic of Chile.

SPA SOPOT LLC



TN VED Code 8424 89 000 9

"Purga-60" combined fire extinguishing system

Manually operated stationary system

Designed to obtain low- and medium expansion air-filled foam with increased effective jet range. The systems can be used to extinguish fires of flammable and combustible liquids, solid combustible materials, and to create light and thermal protection shields in areas of accidents, disasters, natural disasters, for degassing and decontamination, masking civilian and military facilities, as well as during the process of explosion and fire prevention at LHG and LNG facilities.

Key performance parameters

Water (foaming agent solution) throughput: 60 l/s.
Medium expansion foam throughput:
144,000 l/min.
Effective range of medium expansion foam jet: 45-50 m.
Inlet pressure: 0.8 MPa.
Foam expansion ratio: 30-40.
Foaming agent flow rate: 3.6 l/s.

Certificate of the Russian Federation.

Countries of export: Republic of Belarus, Republic of Kazakhstan, Ukraine, Republic of Uzbekistan, People's Republic of China, Republic of Poland, Republic of Latvia, Republic of Lithuania, Republic of Estonia, Republic of Cuba, Republic of India, Kingdom of Norway, Republic of Azerbaijan, Georgia, Republic of Chile.

SPA SOPOT LLC



TN VED Code 8424 89 0009

"Purga-60" combined fire extinguishing system

Remotely controlled quick release foam tower nozzle

It is designed for combined operation with the "Purga" combined fire extinguishing system. The "Purga" combined fire extinguishing systems are designed to obtain low- and medium expansion air-filled foam with increased effective jet range. The systems can be used to extinguish fires of flammable and combustible liquids, solid combustible materials, and to create light and thermal protection shields in areas of accidents, disasters, natural disasters, for degassing and decontamination, masking civilian and military facilities, as well as during the process of explosion and fire prevention at LHG and LNG facilities.

Key performance parameters

Water (foaming agent solution) throughput: 60 l/s.
Medium expansion foam throughput: 144,000 l/min.
Effective range of medium expansion foam jet: 45-50 m.
Inlet pressure: 0.8 MPa.
Foam expansion ratio: 30-40.
Foaming agent flow rate: 3.6 l/s.

Certificate of the Russian Federation.

Countries of export: Republic of Belarus, Republic of Kazakhstan, Ukraine, Republic of Uzbekistan, People's Republic of China, Republic of Poland, Republic of Latvia, Republic of Lithuania, Republic of Estonia, Republic of Cuba, Republic of India, Kingdom of Norway, Republic of Azerbaijan, Georgia, Republic of Chile.

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TN VED Code 8424 89 000 9

"Purga-80" combined fire extinguishing system

Wire or radio remotely controlled fixed system

It is designed to obtain low- and medium expansion air-filled foam with increased effective jet range. The systems can be used to extinguish fires of flammable and combustible liquids, solid combustible materials, and to create light and thermal protection shields in areas of accidents, disasters, natural disasters, for degassing and decontamination, masking civilian and military facilities, as well as during the process of explosion and fire prevention at LHG and LNG facilities.

Key performance parameters

Water (foaming agent solution) throughput: 80 l/s.
Medium expansion foam throughput: 144,000 l/min.
Effective range of medium expansion foam jet: 70 m.
Inlet pressure: 0.8 MPa.
Foam expansion ratio: 30.
Foaming agent flow rate: 4.8 l/s.

Certificate of the Russian Federation.

Countries of export: Republic of Belarus, Republic of Kazakhstan, Ukraine, Republic of Uzbekistan, People's Republic of China, Republic of Poland, Republic of Latvia, Republic of Lithuania, Republic of Estonia, Republic of Cuba, Republic of India, Kingdom of Norway, Republic of Azerbaijan, Georgia, Republic of Chile.

SPA SOPOT LLC



TN VED Code 8424 89 000 9

"Purga-90" combined fire extinguishing system

Fixed installation with remote wire or radio control

Designed to obtain low- and medium expansion air-filled foam with increased effective jet range. The systems can be used to extinguish fires of flammable and combustible liquids, solid combustible materials, and to create light and thermal protection shields in areas of accidents, disasters, natural disasters, for degassing and decontamination, masking civilian and military facilities, as well as during the process of explosion and fire prevention at LHG and LNG facilities.

Key performance parameters

Water (foaming agent solution) throughput: 90 l/s.
Medium expansion foam throughput: 162,000 l/min.
Effective range of medium expansion foam jet: 75-80 m.
Inlet pressure: 0.8 MPa.
Foam expansion ratio: 30.
Foaming agent flow rate: 5.4 l/s.

Certificate of the Russian Federation.

Countries of export: Republic of Belarus, Republic of Kazakhstan, Ukraine, Republic of Uzbekistan, People's Republic of China, Republic of Poland, Republic of Latvia, Republic of Lithuania, Republic of Estonia, Republic of Cuba, Republic of India, Kingdom of Norway, Republic of Azerbaijan, Georgia, Republic of Chile.

SPA SOPOT LLC



TN VED Code 8424 89 000 9

"Purga-100" combined fire extinguishing system

Remotely operated stationary system

Designed to obtain low- and medium expansion air-filled foam with increased effective jet range. The systems can be used to extinguish fires of flammable and combustible liquids, solid combustible materials, and to create light and thermal protection shields in areas of accidents, disasters, natural disasters, for degassing and decontamination, masking civilian and military facilities, as well as during the process of explosion and fire prevention at LHG and LNG facilities.

Key performance parameters

Water (foaming agent solution) throughput: 100 l/s.
Medium expansion foam throughput: 180,000 l/min.
Effective range of medium expansion foam jet: 85-90 m.
Inlet pressure: 1.0-1.2 MPa.
Foam expansion ratio: 30.
Foaming agent flow rate: 6 l/s.

Certificate of the Russian Federation.

Countries of export: Republic of Belarus, Republic of Kazakhstan, Ukraine, Republic of Uzbekistan, People's Republic of China, Republic of Poland, Republic of Latvia, Republic of Lithuania, Republic of Estonia, Republic of Cuba, Republic of India, Kingdom of Norway, Republic of Azerbaijan, Georgia, Republic of Chile.

SPA SOPOT LLC



TN VED Code 8424 89 000 9

"Purga-120" combined fire extinguishing system

Manually operated stationary system

It is designed to obtain low- and medium expansion air-filled foam with increased effective jet range. The systems can be used to extinguish fires of flammable and combustible liquids, solid combustible materials, and to create light and thermal protection shields in areas of accidents, disasters, natural disasters, for degassing and decontamination, masking civilian and military facilities, as well as during the process of explosion and fire prevention at LHG and LNG facilities.

Key performance parameters

Water (foaming agent solution) throughput: 120 l/s.
Medium expansion foam throughput: 216,000 l/min.
Effective range of medium expansion foam jet: 100 m.
Inlet pressure: 1.0-1.2 MPa.
Foam expansion ratio: 30.
Foaming agent flow rate: 7.2 l/s.

Certificate of the Russian Federation.

Countries of export: Republic of Belarus, Republic of Kazakhstan, Ukraine, Republic of Uzbekistan, People's Republic of China, Republic of Poland, Republic of Latvia, Republic of Lithuania, Republic of Estonia, Republic of Cuba, Republic of India, Kingdom of Norway, Republic of Azerbaijan, Georgia, Republic of Chile.

SPA SOPOT LLC



TN VED Code 8424 89 000 9

"Purga-150" combined fire extinguishing system

Fixed installation with remote wire or radio control

It is designed to obtain low- and medium expansion air-filled foam with increased effective jet range. The systems can be used to extinguish fires of flammable and combustible liquids, solid combustible materials, and to create light and thermal protection shields in areas of accidents, disasters, natural disasters, for degassing and decontamination, masking civilian and military facilities, as well as during the process of explosion and fire prevention at LHG and LNG facilities.

Key performance parameters

Water (foaming agent solution) throughput: 150 l/s.
Medium expansion foam throughput: 270,000 l/min.
Effective range of medium expansion foam jet: 100 m.
Inlet pressure: 1.0-1.2 MPa.
Foam expansion ratio: 25 ± 5.
Foaming agent flow rate: 9 l/s.

Certificate of the Russian Federation.

Countries of export: Republic of Belarus, Republic of Kazakhstan, Ukraine, Republic of Uzbekistan, People's Republic of China, Republic of Poland, Republic of Latvia, Republic of Lithuania, Republic of Estonia, Republic of Cuba, Republic of India, Kingdom of Norway, Republic of Azerbaijan, Georgia, Republic of Chile.

SPA SOPOT LLC



TN VED Code 8424 89 000 9

"Purga-300" combined fire extinguishing system

Remotely operated stationary system

It is designed to obtain low- and medium expansion air-filled foam with increased effective jet range. The systems can be used to extinguish fires of flammable and combustible liquids, solid combustible materials, and to create light and thermal protection shields in areas of accidents, disasters, natural disasters, for degassing and decontamination, masking civilian and military facilities, as well as during the process of explosion and fire prevention at LHG and LNG facilities.

Key performance parameters

Water (foaming agent solution) throughput: 300 l/s.
Medium expansion foam throughput: 540,000 l/min.
Effective range of medium expansion foam jet: 120 m.
Inlet pressure: 1.0-1.2 MPa.
Foam expansion ratio: 25 ± 5.
Foaming agent flow rate: 18 l/s.

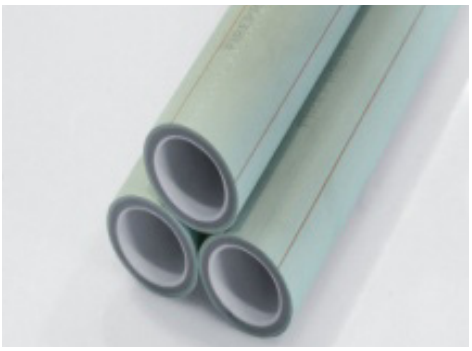
Certificate of the Russian Federation.

Countries of export: Republic of Belarus, Republic of Kazakhstan, Ukraine, Republic of Uzbekistan, People's Republic of China, Republic of Poland, Republic of Latvia, Republic of Lithuania, Republic of Estonia, Republic of Cuba, Republic of India, Kingdom of Norway, Republic of Azerbaijan, Georgia, Republic of Chile.

SPA SOPOT LLC



TN VED Code 8424 89 000 9



TN VED Code 3917 22 1000

Tubes

FIREPROFF

They are designed for fire extinguishing systems.

Key performance parameters

Diameter - from 20 mm to 110 mm.
Pipe length - up to 6000 mm.
Weight of 1 r/m - from 0.25 kg to 3.93 kg.
Operating pressure - from 2.5 MPa to 6 MPa.
Fire resistance at a temperature of 39°C and a pipe diameter of 32 mm - 420 s.
Service life - 50 years.

Certificate of the Russian Federation.

Countries of export: Middle East, Southeast Asia, Europe.

Potok - Pipe Company LLC



TN VED Code 3917 22,100 0

Fittings

FIREPROFF

It is designed for fire extinguishing systems.

Key performance parameters

Size - from 20 mm to 110 mm.
Weight of 1 unit - from 0.02 kg to 1.4 kg.
Operating pressure - from 2.5 MPa to 6 MPa.
Fire resistance at a temperature of 39°C and a pipe diameter of 32 mm - 420 s.
Service life - 50 years.

Certificate of the Russian Federation.

Countries of export: Middle East, Southeast Asia, Europe.

Potok - Pipe Company LLC



TN VED Code 8424 90 000 0

Fine water sprayers

"Akva-Gefest"/SVS0

Designed for water-based fire suppression.

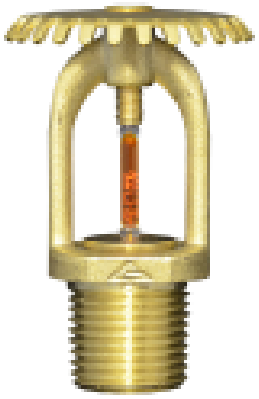
Key performance parameters

Position: upward/downward/horizontally.
K-factor: 0.025; 0.045; 0.07; 0.09; 0.1; 0.13.
Response temperature: 57°C/68°C/79°C/93°C.

Certificate of the Russian Federation.

Countries of export: Republic of Kazakhstan, Republic of Belarus.

Gefest Holding LLC
FRDE GEFEST LLC
E-Sprinkler



TN VED Code 8424 90 000 0

General purpose sprinklers

"Akva-Gefest"/SVS0

They are designed for water-based fire suppression.

Key performance parameters

Position: upward/downward/horizontally.
K-factor: 0.3; 0.35; 0.42; 0.47; 0.6; 0.71.
Response temperature: 57°C/68°C/79°C/93°C.

Certificate of the Russian Federation.

Countries of export: Republic of Kazakhstan, Republic of Belarus.

Gefest Holding LLC
FRDE GEFEST LLC
E-Sprinkler



TN VED Code 8424 90 000 0

Fine water sprayers with forced launch

"Akva-Gefest"/SEVS0

They are designed for water-based fire suppression.

Key performance parameters

Position: upward/downward/horizontally.
K-factor: 0.025; 0.045; 0.07; 0.09; 0.1; 0.13.
Response temperature: 57°C/68°C/79°C/93°C.
The sprayers are equipped with a forced launch device.

Certificate of the Russian Federation.

Countries of export: Republic of Kazakhstan, Republic of Belarus.

Gefest Holding LLC
FRDE GEFEST LLC
E-Sprinkler



TN VED Code 8424 90 000 0

General purpose sprinklers with forced launch

"Akva-Gefest"/SEVO0

They are designed for water-based fire suppression.

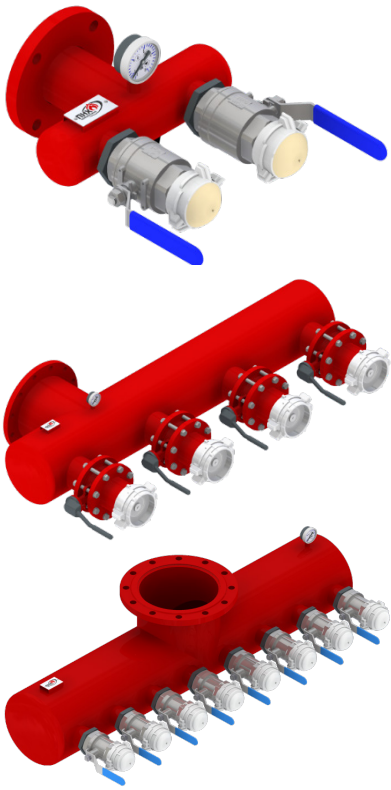
Key performance parameters

Position: upward/downward/horizontally.
K-factor: 0.3; 0.35; 0.42; 0.47; 0.6; 0.71.
Response temperature: 57°C/68°C/79°C/93°C.
The sprinklers are equipped with a forced launch device.

Certificate of the Russian Federation.

Countries of export: Republic of Kazakhstan, Republic of Belarus.

Gefest Holding LLC
FRDE GEFEST LLC
E-Sprinkler



TN VED Code 8481 80,990 7

Fire-fighting equipment connection unit (FFECU)

It is designed to supply (take) water or foam solution to/from fire extinguishing systems or to equip supply pipelines of stationary fire extinguishing equipment.

Key performance parameters

Nominal pressure - 1.6 MPa.
Test pressure - 2.4 MPa.
Design capacity per branch pipe is 5-35 l/s.
Number of coupling heads (CH) 2-8 pcs.

Certificate of the Russian Federation.

Countries of export: CIS, countries of Africa and Asia.

Pozhneftekhim LLC



TN VED Code 8424

Powder extinguishing module (PEM) complete with gas generating unit

"Uragan-36M-VS" MPP (r)-12-I-GE-UZ-VS

It is intended for localization and extinguishing of fires of classes A, B, C and energized electrical installations, while the breakdown voltage parameter may not be taken into account (SP 5.13130.2009, cl. 9.1.6).

Key performance parameters

Area of operation for class A fire - 79 m².
Installation height - from 6 to 16 m.
They can be operated in the temperature range of from -50°C to +50°C.

Certificate of the Russian Federation.

PC Sibirskiy Proekt LLC

Supply tank (ST)

"Antifire" horizontal supply tank (ST); vertical ST; Double-type vertical ST complete with a diaphragm proportioner and a wide-range proportioner.

It is intended for introducing the foaming agent stored in the tank into the main line water flow, in a percentage corresponding to the type of used foaming agent.

Key performance parameters

Design pressure - 1.2 MPa.
Operating pressure range - 0.6-1.4 MPa.
Nominal pressure - 1.6 MPa.
Test pressure - 2.4 MPa.

Certificate of the Russian Federation.

Countries of export: Republic of Bulgaria, Republic of Uzbekistan, Bolivarian Republic of Venezuela, CIS, countries of Africa and Asia.

Pozhneftekhim LLC







TN VED Code 7309 00,590 0



TN VED Code 8424

MUPTV-9M-GZ-VD "TRV-9M Uragan"

modular water spray extinguishing system

It is designed to suppress fires of classes A (solid combustible substances) and B (liquid combustible substances) and to extinguish electrical equipment under a voltage of up to 1000 V.

Key performance parameters

Area of operation for class A and B fires - 16 m².
Suspension height - from 2 to 3.5 m from the floor level to nozzle.
They can be operated in the temperature range of from -25°C to +50°C.

Certificate of the Russian Federation.

PC Sibirskiy Proekt LLC



TN VED Code 8424

MUPTV-15M-GZ-VD "TRV-15M Uragan"

modular water spray extinguishing system

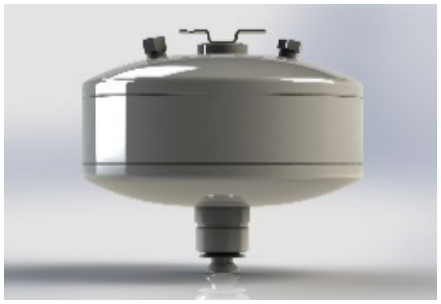
It is designed to suppress fires of classes A (solid combustible substances) and B (liquid combustible substances) and to extinguish electrical equipment under a voltage of up to 1000 V.

Key performance parameters

Area of operation:
for fire of Class A - 36.6 m²;
for fire of Class B - 33 m².
Suspension height - from 2 to 4 m from the floor level to nozzle. They can be operated in the temperature range of from -25°C to +50°C.

Certificate of the Russian Federation.

PC Sibirskiy Proekt LLC



TN VED Code 8424

MUPTV-17M-GZ-VD "TRV-17M Uragan"

modular water spray extinguishing system

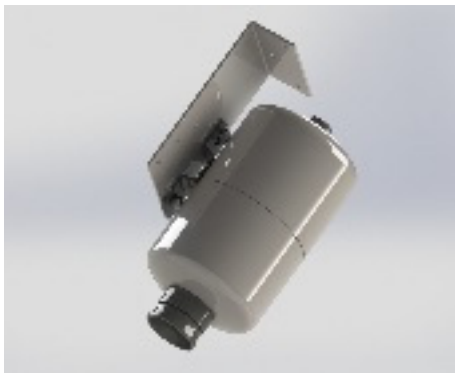
It is designed to suppress fires of classes A (solid combustible substances) and B (liquid combustible substances) and to extinguish electrical equipment under a voltage of up to 1000 V.

Key performance parameters

Area of operation:
for fire of Class A - 36 m²;
for fire of Class B - 33.8 m².
Suspension height - from 4 to 6 m from the floor level to nozzle. They can be operated in the temperature range of from -25°C to +50°C.

Certificate of the Russian Federation.

PC Sibirskiy Proekt LLC



TN VED Code 8424

Powder extinguishing module (PEM) complete with gas generating unit

MPP (r)-3-I-GE-U3 "Uragan-12M"

It is intended for localization and extinguishing of fires of classes A, B, C and energized electrical installations, while the breakdown voltage parameter may not be taken into account (SP 5.13130.2009, cl. 9.1.6).

Key performance parameters

Area of operation:
for fire of Class A - 28 m²;
for fire of Class B - 16 m².
Installation height - from 1 to 4 m.
The PEM has ceiling and wall installation types.
It may be installed horizontally.
It can be operated in the temperature range of from -50°C to +50°C.

Certificate of the Russian Federation.

PC Sibirskiy Proekt LLC



TN VED Code 8424

Powder extinguishing module (PEM) complete with gas generating unit

MPP (r)-6-KD-1-GE-U3 "Uragan-18M"

It is designed to extinguish fire seats of A, B, C classes and electrical installations.

Key performance parameters

Area of operation:
for fire of Class A - 55 m²;
for fire of Class B - 36 m².
Installation height - from 2 to 10 m.
It can be operated in the temperature range of from -50°C to +50°C.

Certificate of the Russian Federation.

PC Sibirskiy Proekt LLC



TN VED Code 8424

Powder extinguishing module (PEM) complete with gas generating unit

MPP (r)-9-KD-1-GE-U3 "Uragan-24M"

It is designed to extinguish fire seats of A, B, C classes and electrical installations.

Key performance parameters

Area of operation:
- for fire of Class A - 68 m²;
- for fire of Class B - 42 m².

Installation height - from 2 to 8 m.
They can be operated in the temperature range of from -50°C to +50°C.

Certificate of the Russian Federation.

PC Sibirskiy Proekt LLC



TN VED Code 8424

Powder extinguishing module (PEM) complete with gas generating unit

MPP (r)-9-I-GE-U3-VS "Uragan-24M-VS"

It is intended for localization and extinguishing of fires of classes A, B, C and energized electrical installations, while the breakdown voltage parameter may not be taken into account (SP 5.13130.2009, cl. 9.1.6).

Key performance parameters

Area of operation:
- for fire of Class A - 74 m²;
- for fire of Class B - 42 m².

Installation height - from 8 to 16 m.
They can be operated in the temperature range of from -50°C to +50°C.

Certificate of the Russian Federation.

PC Sibirskiy Proekt LLC



TN VED Code 8424 10 000 0

Powder extinguishing module MPP (N)-8-KD-1-BSG-U2

MPP (N)-8-KD-1-BSG-U2

It is designed for smothering extinguishing of fires of classes A (combustion of solid substances), B (combustion of liquid substances), C (combustion of gaseous substances) and combustion of energized electrical equipment.

Key performance parameters

Protected volume:
- for fire of Class A - 90 m²;
- for fire of Class B - 60 m²;

Area of operation - 17 m².
Explosion-proof marking - 1ExdsIICT4X.

Certificate of the Russian Federation.

Countries of export: Kazakhstan, United Arab Emirates.

Kalancha LLC



TN VED Code 8424 10 000 0

Powder extinguishing module MPP (N)-100-KD-1-BSG-U2

MPP (N)-100-KD-1-BSG-U2

It is designed for smothering extinguishing of fires of classes: A - combustion of solid substances; B - combustion of liquid substances; C - combustion of gaseous substances; E - combustion of energized electrical equipment.

Key performance parameters

Protected volume:
- for fire of Class A - 900 m²;
- for fire of Class B - 600 m²;

Area of operation - 100 m².
Explosion-proof marking - 1ExdsIICT4X.

Certificate of the Russian Federation.

Kalancha LLC



TN VED Code 8424 10 000 0

Powder extinguishing module MPP (N)-7.5-KD-1-3-U2

MPP (N)-7.5-KD-1-3-U2

It is designed for smothering extinguishing of fires of classes: A - combustion of solid substances; B - combustion of liquid substances; C - combustion of gaseous substances; E - combustion of energized electrical equipment.

Key performance parameters

Protected volume:
- for fire of Class A - 60 m²;
- for fire of Class B - 45 m²;

Fire classes: A, B, C, E.

Certificate of the Russian Federation.

Kalancha LLC



TN VED Code 8424 10 000 0

Gas and powder fire extinguishing module MGPP-110-CO2-30-PX-ABCE-U2

MGPP-110-CO2-30-PX-ABCE-U2

The module is designed for smothering extinguishing of fires of classes: A - combustion of solid substances; B - combustion of liquid substances; C - combustion of gaseous substances; E - combustion of energized electrical equipment.

Key performance parameters

Protected volume:
- for fire of Class A - 900 m²;
- for fire of Class B - 600 m²;

Area of operation - 100 m².
Explosion-proof marking - 1ExdsIICT4X.

Certificate of the Russian Federation.

Countries of export: Republic of Kazakhstan.

Kalancha LLC



TN VED Code 8424 10 000 0

Automatic fire fighting system (AFFS)

AUP-2-GZh-XXX, AUP-5-GZh-XXX, AUP-10-GZh-XXX

It is designed to localize and extinguish fires.

Key performance parameters

The AFFS is filled with the "BONTEL" fire extinguishing agent.
The systems are available in volumes of 2, 5 and 10 liters.
Operating pressure - 14 bar.
Operating temperature from -20°C to +50°C.
The system is launched independently (the system is equipped with a plastic sensor pipeline that opens in the place of critical heating), in automatic or manual modes.
Extinguishing fires of A, B, C, E classes.

Certificate of the Russian Federation.

Countries of export: Kingdom of Norway, Republic of Austria.

SPA Peredovie tekhnologii LLC



TN VED Code 8424 10 000 0

Gas fire-fighting unit (GFFU)

SGP-60, SGP-120, SGP-200, SGP-500

It is designed to localize and extinguish fires.

Key performance parameters

GFFU is a high-pressure cylinder up to 300 Bar, with carbon dioxide CO_2 (or: HFC-125 and HFC-227) in the liquid phase with a volume of 60, 120, 200, 500 ml.
The launch is carried out independently. When the thermal lock is triggered (57°C, 68°C, 79°C, 93°C), the cylinder is opened and CO_2, after being vaporized, performs volumetric fire extinguishing.
The GFFU can be equipped with a forced launch device for launching from the battery pack or by a signal from the alarm warning system.
Extinguishing fires of A, B, C, E classes.

Certificate of the Russian Federation.

Countries of export: Kingdom of Norway, Republic of Austria, Republic of Latvia.

NPO Peredovie techknologii LLC



TN VED Code 8424 10 000 0

Suspension gas fire-fighting module (SGFFM)

MGPP (16-5-6), MGPP (16-10-6), MGPP (16-20-6)

It is designed to localize and extinguish fires.

Key performance parameters

SGFFM is a suspended cylinder with a capacity of 5, 10, 20 liters with GEA HFC-125 or HFC-227ea.
Operating pressure - 14 bar.
Operating temperature - from -20°C to +50°C.
The system is started independently, when the set temperature rises (57°C, 68°C, 79°C, 93°C, 141°C, 182°C) or automatically when a start pulse is received from the alarm warning system devices.
Extinguishing fires of A, B, C, E classes.

Certificate of the Russian Federation.

Countries of export: Republic of Austria.

NPO Peredovie techknologii LLC



TN VED Code 8424 10 000 0

Gas fire-fighting module (GFFM)

MGP-2, MGP-6, MGP-12

It is designed to localize and extinguish fires.

Key performance parameters

The gas fire extinguishing module is filled with the HFC-125 or HFC-227 ea GFEA.
The systems are available in volumes of 2, 5 and 10 liters.
Operating pressure - 14 bar.
Operating temperature - from -20°C to +50°C.
The system is launched independently (the system is equipped with a plastic sensor pipeline that opens in the place of critical heating), in automatic or manual modes.
Extinguishing fires of A, B, C, E classes.

Certificate of the Russian Federation.

Countries of export: Republic of Austria.

SPA Peredovie tekhnologii LLC



TN VED Code 3813 00 000 0

"Bontel" fire-fighting device

Fire-fighting ampoule

It is designed to localize and extinguish fires.

Key performance parameters

"Bontel" fire-fighting device
It is filled with the "BONTEL" FEA with a volume of 600 ml.
Operating temperature - from -23°C to +80°C.
Response temperature - 90°C.
Extinguishing fires of A, B, C, E classes.
The ampoule body is made of safety glass. It is a unique, unparalleled device capable of preventing a fire at an early stage of development.

Certificate of the Russian Federation.

Countries of export: Republic of Austria, Republic of Lithuania, Kingdom of Norway, Canada, Federal Republic of Brazil.

SPA Peredovie tekhnologii LLC



Automatic fire fighting system (AFFS) TRV VD: high pressure pumping unit

AN1+1	AN2+1	AN3+1
AN4+1	AN5+1	AN6+1
AN7+1	AN8+1	AN9+1
AN10+1		

It is designed to generate the required pressure of the working medium in the AFFS.

Key performance parameters

Standby mode pressure - 2.5 MPa.
Operating mode pressure - 8.5 MPa.
Protection rating - IP 55 GOST 14254-96.
Operating temperature - 5-55°C;

Certificate of the Russian Federation.
EAEU Certificate.

Countries of export: EAEU, CIS.

BFK-Proekt LLC



TN VED Code 2630 50 123

Fire control units for "ALFA-FOG" automatic high-pressure fine water spray extinguishing system

PPU (1000 x 600 x 300)
PPU (1800 x 800 x 400)
PPU (1600 x 800 x 400)
PPU (1800 x 1000 x 400)

They are designed for:

- *receiving and sending signals about the current operating mode of the pumping unit, and about the presence of malfunctions, start-up of electric pumps;*
- *remote control of the automatic fire-fighting system (AFFS) by automated opening of the sectional deluge control unit according to the signals received from the central control room, from the local push-button control stations, the automatic fire detection system or from the component for the fire control device (FCU);*
- *displaying the current state of the AFFS and its malfunctions;*
- *presenting information about the current state of the AFFS and its malfunctions to external information systems;*
- *control of light and sound warning devices.*

Key performance parameters

Supply voltage - 380 V.
Current - alternating, three-phase, 50 Hz.
Current rating - up to 225 A.
Power consumption - up to 125 W;
Protection rating - IP 54 GOST 14254-96.
Operating temperature - 0-40°C.

Certificate of the Russian Federation.
EAEU Certificate.

Countries of export: EAEU, CIS.

BFK-Proekt LLC







TN VED Code 2829 22 120

Sprinklers for "ALFA-FOG" automatic high-pressure fine water spray extinguishing system

Sprinklers	Deluge sprinklers
"AS5"	"M7"
"VS5"	"EM2"
"ES2"	"EM3"
"ES3"	

They are intended for uniform spraying of water on a given area of the protected premises by creating a finely dispersed water flow, and are used to localize and extinguish fire.

Key performance parameters

Sprinkler capacity: 17-34.2 l/min.
Protection area - up to 50 m^2.
Thermal bulb response temperature in the range of 57-141°C.

Certificate of the Russian Federation.
EAEU Certificate.

Countries of export: EAEU, CIS.

BFK-Proekt LLC



TN VED Code 2630 50 123

Components fire control unit for "ALFA-FOG" automatic high-pressure fine water spray extinguishing system

KPU (300 x 300 x 200)	KPU (300 x 400 x 200)
KPU (400 x 400 x 200)	KPU (400 x 500 x 200)

They are designed for:
- *remote opening of sectional deluge control units (DCU);*
- *displaying the current state of the AFFS and its malfunctions;*
- *sending visual and audible signals in the event of situations requiring the operator's attention.*

Key performance parameters

Supply voltage - 24 V.
Current - direct.
Current rating - up to 4 A.
Power consumption - up to 0.1 W.
Protection rating - IP 54 GOST 14254-96.
Operating temperature - 0-40°C.

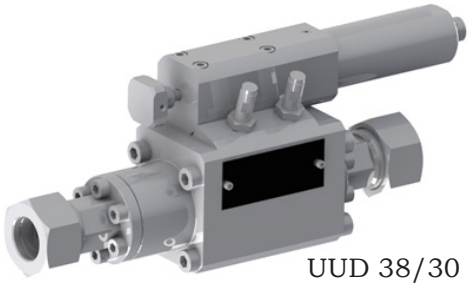
Certificate of the Russian Federation.
EAEU Certificate.

Countries of export: EAEU, CIS.

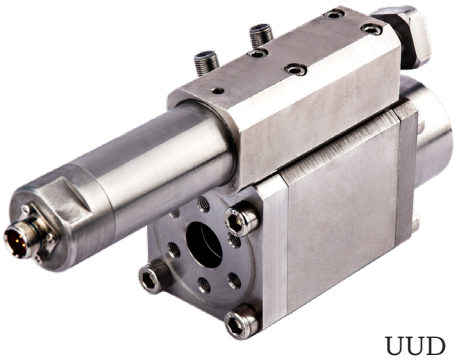
BFK-Proekt LLC



UUD 12/12



UUD 38/30



UUD



UUK

Deluge, sprinkler and combined control units for "ALFA-FOG" high-pressure water spray automatic fire-fighting system (AFFS)

UUS 30/30	UUD 12/12	UUK 30/30
UUS 38/30	UUD 30/30	UUK 38/30
UUS 38/38	UUD 38/30	UUK 38/38
	UUD 38/38	

They are designed for dividing AFFS pipelines into independent sections (sprinkler/deluge and combined).

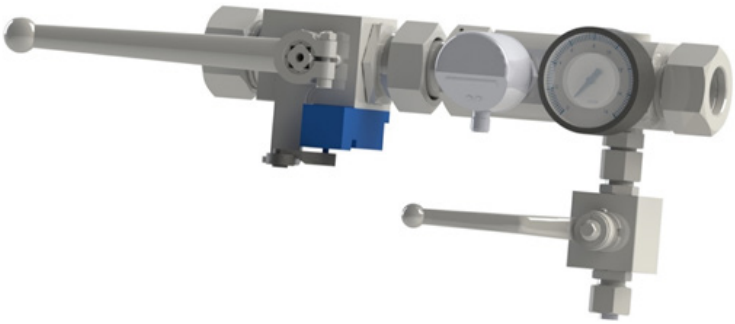
Key performance parameters

Minimum operating pressure - 2.0 MPa.
Rated operating pressure - 8.5 MPa.
Maximum operating pressure - 16 MPa.
Supply voltage - 220 V/50 Hz.
Ultimate pressure - 20 MPa.

Certificate of the Russian Federation.
EAEU Certificate.

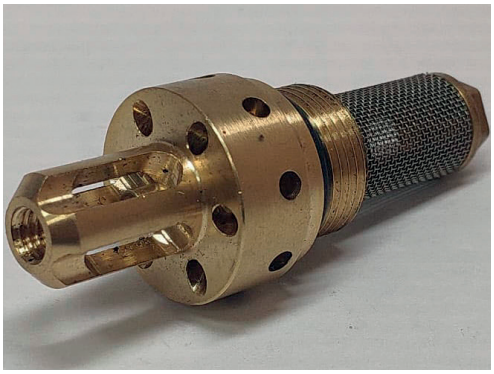
Countries of export: EAEU, CIS.

BFK-Proekt LLC



TN VED Code 2899 52 000





TN VED Code 2829 22 120

Sprinklers for automatic high-pressure fine water spray extinguishing system (HP FWS) (up to 1.5 MPa).

Sprinklers	Deluge sprinklers
"TR1S"	"TR1M"
"TR3S"	"TR3M"
"TR5S"	"TR5M"
	"TR15M"

Intended for uniform spraying of water on a given area of the protected premises by creating a finely dispersed water flow, and are used to localize and extinguish fires of various types.

Key performance parameters

Sprayer capacity: 8.7-25 l/min.
Protection area - up to 16 m^2.
Thermal bulb response temperature in the range of 57-141°C.

Certificate of the Russian Federation.
EAEU Certificate.

Countries of export: EAEU, CIS.

SPA TEKHNOLITU LLC

Sprinklers for automatic medium-pressure fine water spray extinguishing system (MP FWS) (up to 3.0 MPa).

Sprinklers	Deluge sprinklers
"SR1"	"MR1"
"SR3"	"MR3"
"SR5"	"MR5"
	"MR15"

They are intended for uniform spraying of water on a given area of the protected premises by creating a finely dispersed water flow, and are used to localize and extinguish fires of various types.

Key performance parameters

Sprayer capacity: 15-35 l/min.
Protection area - up to 25 m^2.
Thermal bulb response temperature in the range of 57-141°C.

Certificate of the Russian Federation.
EAEU Certificate.

Countries of export: EAEU, CIS.

SPA TEKHNOLITU LLC



Hydro MX CR

TN VED Code 8413 70 750 0

Complete pumping unit for fire extinguishing systems

Grundfos Hydro MX

It is designed for use in sprinkler and deluge automatic water and foam fire extinguishing systems, as well as in systems complete with hydrants.

Key performance parameters

The performance characteristics of pumps and motors depend on the specific equipment model.
Pumped fluid temperature - from +5°C to +60°C.
Ambient temperature - from +5°C to +40°C.
Relative air humidity - not more than 95%.
Maximum operating pressure - PN16.
Supply voltage - 2 inputs, each 3 x 380 - 415 V, 50 Hz.
Current consumption in standby mode - 0.5 A
Ingress protection rating - IP54.
Service life - 10 years.
Warranty period (from the date of sale) - 24 months.

The Grundfos Hydro MX fire-extinguishing installation includes:
- 1 or 2 main fire pumps Grundfos CR or Grundfos NB;
- standby fire pump Grundfos CR or Grundfos NB;
- Grundfos Control MX fire control unit (FCU);
- piping;
- a set of instrumentation (pressure switches, pressure gauges);
- a set of shut-off valves (gate valves, check valves);
- foundation framework for the hydraulic part and FCU.

Certificate of the Russian Federation.
EAEU Certificate.

Countries of export: Republic of Belarus, Republic of Kazakhstan.

Grundfos Istra LLC



Hydro MX NB

TN VED Code 8413 70 510 0



TN VED Code 8413 70 750 0

Pressure increasing and maintaining unit (jockey pump)

Grundfos Hydro Solo-FS

It is designed to increase and maintain pressure in the field of fire extinguishing in combination with the complete fire extinguishing system Grundfos Hydro MX. Grundfos Hydro MX is used as a jockey pump as part of the complete fire extinguishing system.

Key performance parameters

The pump and motor performance characteristics depend on the specific equipment model.
Pumped fluid temperature - from +5°C to +60°C.
Ambient temperature - from +5°C to +40°C.
Relative air humidity - not more than 95%.
Maximum operating pressure - PN6/10/16.
Supply voltage - 3 x 380 - 415 V, 50 Hz.
Ingress protection rating - IP54.
Service life - 10 years.
Warranty period (from the date of sale) - 24 months.

The Grundfos Hydro Solo FS package includes:
- Grundfos CR pump;
- diaphragm head tank;
- foundation framework;
- pressure switch;
- pressure gauge;
- piping;
- check valve;
- valve.

EAEU Certificate.

Countries of export: Republic of Belarus, Republic of Kazakhstan.

Grundfos Istra LLC



TN VED Code 8424 89 000 9

"MPP (N) Lavina" 100 module

MPPK (N)- 100-08-KD-1-BSG-NF-2
TU 4854-005-11776979-01

MPP- 100-10-KD-1-Z-NF-2
TU 4854-005-11776979-01

Depending on the brand of the extinguishing powder used, the module is designed to extinguish fires of classes A (burning of solids), B (burning of liquid substances), C (burning of gaseous substances) in accordance with GOST 27331-87, as well as energized electrical equipment, and is used in automatic modular-type powder extinguishing systems to protect industrial, warehouse and domestic premises, both for the protection of individual fire exposed envelopes, and the entire area or volume of the protected premises.

Key performance parameters

Module fire-fighting capacity:
a) for B class seat of fire:
- area of operation, m^2, not more than 128;
- protected volume, m^3, not more than 192;
- the maximum rank of a class B 233 fire seat - 2 fire seats.

b) for class A seat of fire:
- area of operation, m^2, not more than 128;
- protected volume, m^3, not more than 192.

Action time, max, from 1 to 15 s (KD - 1).
Action time, max, from 1 to 10 s (B - 1).
Service life - 20 years.

Certificate of the Russian Federation.

Countries of export: Republic of Belarus, Republic of Kazakhstan.

RDA PLAMYA LLC



TN VED Code 8424 89 000 9

"MPPK (N) Lavina-Kombi" module

MPPK–100–11-KD-1-ZBSG-NF-2
TU 4854-005-11776979-01

It is designed to be used in automatic fire fighting systems for class A, B, C fires and electrical equipment under voltages of up to 36 kV (taking into account technical specifications for the extinguishing agent) according to GOST 27331, in industrial, warehouse, household and other premises to protect both individual fire exposed envelopes and to extinguish local fire sources in the protected area or in a volume.

Key performance parameters

Module fire-fighting capacity:
a) for B class seat of fire:
- area of operation, m^2, not more than 300;
- protected volume, m^3, not more than 1000;
- the maximum rank of a class B 233 fire seat - 2 fire seats.

b) for class A seat of fire:
- area of operation, m^2, not more than 300;
- protected volume, m^3, not more than 1000.

Action time, s,from 1 to 15 (KD - 1).
Probability of survival (GOST 27.403-2009) - 0.95.
Service life - 20 years.

Certificate of the Russian Federation.

Countries of export: Republic of Belarus, Republic of Kazakhstan.

RDA PLAMYA LLC



TN VED Code 8424 89 000 9

"MPPK (N) Lavina-Kombi" 170 module

MPPK (N) –170–12-KD-1-ZBSG-NF-2
TU 4854-005-11776979-01

It is designed to be used in automatic fire fighting systems for class A, B, C fires and electrical equipment under voltages of up to 36 kV (taking into account technical specifications for the extinguishing agent) according to GOST 27331, in industrial, warehouse, household and other premises to protect both individual fire exposed envelopes and to extinguish local fire sources in the protected area or in a volume.

Key performance parameters

Module fire-fighting capacity:
a) for B class seat of fire:
- area of operation, m^2, not more than 500;
- protected volume, m^3, not more than 1700;
- the maximum rank of a class B 233 fire seat - 3 fire seats.

b) for class A seat of fire:
- area of operation, m^2, not more than 500;
- protected volume, m^3, not more than 1700.

Action time, s, from 1 to 15 (KD - 1).
Response time, s, up to 1 (B - 1).
Package capacity, l, 170 ± 3.
Fire extinguishing agent weight, kg, 156 ± 4.
Module total weight, kg:
- including FEA - "Vekson-ABC 70" Module – 380 ±20.

Module operating temperature range - from -50°C to +50°C.
Probability of survival (GOST 27.403-2009) - 0.95.
Service life - 20 years.
Operating cycle during the specified service life - at least 20.

Certificate of the Russian Federation.

Countries of export: Republic of Belarus, Republic of Kazakhstan.

RDA PLAMYA LLC



TN VED Code 8424 89 000 9

"Taifun-60" module

MUPTV-60-G-GV-EGP-NF.4
TU 4854-004-11776979-00

It is designed to extinguish fires of classes A and B according to GOST 27331, and is used in automatic modular water spray fire-fighting systems to protect the entire area of production, warehouse, office, archive premises, museum valuables storage areas and exhibition spaces.

Key performance parameters

Action time in the ambient temperature range, from 15°C ÷ 45°C.
Response time *, s, not more than 5.
Weight of water filled into the vessel, kg, 60 ± 0.6.
Vessel capacity, l, 65 ± 1.0.
FEA average consumption through nozzles in the ambient temperature range, kg/s, from 1.4 to 4 inclusive.
Propellant weight, kg:
- when refueling cylinder equipped with a lock and release device - 6 ± 0.01;
- the minimum allowable weight during operation - 5.

Capacity of the cylinder equipped with a lock and release device, l, 10.
Overall dimensions, mm, max:
- length - 530;
- width - 360;
- height - 1536.

Weight of the module containing propellant - 54 ± 3 kg.
Specified service life - 20 years.
Operating cycle - at least 10.
Probability of survival (GOST 27.403-2009) - 0.95.

Certificate of the Russian Federation.

Countries of export: Republic of Belarus, Republic of Kazakhstan.

RDA PLAMYA LLC



TN VED Code 8424 89 000 9

"Taifun-60 Fire Block" module

MUPTV-60FB-G-GV-EGP-NF.4
TU 4854-004-11776979-00

It is designed to extinguish fires of classes A and B according to GOST 27331, and is used in automatic modular water spray fire-fighting systems to protect the entire area of production, warehouse, office, archive premises, museum valuables storage areas and exhibition spaces.

Key performance parameters

Action time in the ambient temperature range, from 15°C ÷ 45°C.
Response time, s, not more than 5.
Specified service life - 20 years.
Operating cycle - at least 10.
Probability of survival (GOST 27.403-2009) - 0.95.

Certificate of the Russian Federation.

Countries of export: Republic of Belarus, Republic of Kazakhstan.

RDA PLAMYA LLC



TN VED Code 8424 89 000 9

"Taifun-120" module

MUPTV-120-G-GV-EGP-NF.4
TU 4854-008-11776979-04

It is designed to extinguish fires of classes A, B according to GOST 27331, electrical installations under a voltage of up to 36 kV, and is used in automatic modular water spray fire-fighting systems for surface and local surface fire extinguishing in production, warehouse, office, archive premises, museum valuables storage areas and exhibition spaces.

Key performance parameters

Action time in the ambient temperature range, s, 15°C ÷ 45°C.
Response time, s, not more than 5.
FEA average consumption through nozzles in the ambient temperature range, kg/s, from 2.7 to 8 inclusive.
Weight of the module containing propellant - 114 ± 3 kg.
Capacity of the cylinder for storing propellant - 20 L.
Vessel capacity - 30 ± 2 L.
Operating cycle - at least 10.
Specified service life - 20 years.
Probability of survival (GOST 27.410) - 0.95.

Certificate of the Russian Federation.

Countries of export: Republic of Belarus, Republic of Kazakhstan.

RDA PLAMYA LLC



TN VED Code 8424 89 000 9

"Taifun-120 Fire Block" module

MUPTV-120FB-G-GV-EGP-NF.4
TU 4854-008-11776979-04

It is designed to extinguish fires of classes A, B according to GOST 27331, electrical installations under a voltage of up to 36 kV, and is used in automatic modular water spray fire-fighting systems for surface and local surface fire extinguishing in production, warehouse, office, archive premises, museum valuables storage areas and exhibition spaces.

Key performance parameters

Action time in the ambient temperature range, from 15°C ÷ 45°C.
Response time, s, not more than 5.
FEA average consumption through nozzles in the ambient temperature range, kg/s, from 2.7 to 8 inclusive.
Weight of water filled into the vessel, kg, 120 ± 1.
Propellant weight, kg:
- when refueling cylinder equipped with a lock and release device - 24 ± 0.02;
- the minimum allowable weight during operation - 22.

Weight of the module containing propellant - 150 ± 7 kg.
Operating cycle - at least 10.
Specified service life - 20 years.
Probability of survival (GOST 27.410) - 0.95.

Certificate of the Russian Federation.

Countries of export: Republic of Belarus, Republic of Kazakhstan.

RDA PLAMYA LLC



TN VED Code 8424 89 000 9

"Taifun-240" module

MUPTV-240-G-GV-EGP-NF.4
TU 4854-008-11776979-04

It is designed to extinguish fires of classes A, B according to GOST 27331, electrical installations under a voltage of up to 36 kV, and is used in automatic modular water spray fire-fighting systems for surface and local surface fire extinguishing in production, warehouse, office, archive premises, museum valuables storage areas and exhibition spaces.

Key performance parameters

Action time in the ambient temperature range, s, 15°C ÷ 45°C.
Response time, s, not more than 5.
FEA average consumption through nozzles in the ambient temperature range, kg/s, from 5.4 to 16 inclusive.
Weight of water filled into the vessel, kg, 240 ± 1.
Propellant weight, kg:
- when refueling cylinder equipped with a lock and release device - 24 ± 0.02;
- the minimum allowable weight during operation - 22.

Weight of the module containing propellant - 196 ± 10 kg.
Operating cycle - at least 10.
Specified service life - 20 years.
Probability of survival (GOST 27.410) - 0.95.

Certificate of the Russian Federation.

Countries of export: Republic of Belarus, Republic of Kazakhstan.

RDA PLAMYA LLC



TN VED Code 8424 89 000 9

"Taifun-240 Fire Block" module

MUPTV-240FB-G-GV-EGP-NF.4
TU 4854-008-11776979-0

It is designed to extinguish fires of classes A, B according to GOST 27331, electrical installations under a voltage of up to 36 kV, and is used in automatic modular water spray fire-fighting systems for surface and local surface fire extinguishing in production, warehouse, office, archive premises, museum valuables storage areas and exhibition spaces.

Key performance parameters

Action time in the ambient temperature range, from 20°C ÷ 45°C.
Response time, s, not more than 3.
FEA average consumption through nozzles in the ambient temperature range, kg/s, from 6 to 12 inclusive.
Weight of water filled into the vessel, kg, 240 ± 1.
Propellant weight (HFC-23), kg:
- when refueling cylinder equipped with a lock and release device - 48 ± 0.02;
- the minimum allowable weight during operation - 43.

Weight of the module containing propellant - 245 ± 10 kg.
Operating cycle - at least 10.
Specified service life - 20 years.
Probability of survival (GOST 27.410) - 0.95.

Certificate of the Russian Federation.

Countries of export: Republic of Belarus, Republic of Kazakhstan.

RDA PLAMYA LLC



TN VED Code 8424 89 000 9

"Priboy" 50 ejection high expansion foam generator (EHEFG)

EGVP-50-1.0-NF. 3.1 "Priboy" generator
TU 4854-020-11776979-04

It is designed to obtain high expansion air-filled foam and is used in foam extinguishing units that are intended for suppression or localization of class A and B fires according to GOST 27331 using total flooding or local total flooding method, in buildings, premises and structures of the oil, chemical, petrochemical, gas and machine-building industries, as well as in warehouses, hangars (including the aircraft ones) and other facilities. The EHEFG should be used with certified foaming agents designed to obtain high expansion foam for intended and general purpose.
The EHEFG can be used in hazardous areas.

Key performance parameters

Operating pressure range of the foaming agent solution at the EHEFG inlet, MPa, 0.5 ÷ 0.9.
Maximum foam expansion ratio (in the range of foam generation), K, at least 1000.
Foaming agent solution consumption (at 0.68 ± 0.05 MPa at the EHEFG inlet), l/min - 57.
Generator overall dimensions, mm, max:
- length - 822 ± 5;
- diameter - 370 ± 5.

Weight, kg, 7 ± 2.
Operating cycle - at least 50.
Service life - 20 years.
Probability of survival (GOST 27.403-2009) - 0.95.

Certificate of the Russian Federation.

Countries of export: Republic of Belarus, Republic of Kazakhstan.

RDA PLAMYA LLC



TN VED Code 8424 89 000 9

"Priboy" 100 ejection high expansion foam generator (EHEFG)

EGVP-100-1.0-NF. 3.1 "Priboy" generator
TU 4854-020-11776979-04

It is designed to obtain high expansion air-filled foam and is used in foam extinguishing units that are intended for suppression or localization of class A and B fires according to GOST 27331-87 using total flooding or local total flooding method, in buildings, premises and structures of the oil, chemical, petrochemical, gas and machine-building industries, as well as in warehouses, hangars (including the aircraft ones) and other facilities. The EHEFG should be used with certified foaming agents designed to obtain high expansion foam for intended and general purpose.
The EHEFG can be used in hazardous areas.

Key performance parameters

Operating pressure range of the foaming agent solution at the EHEFG inlet, MPa, 0.5 ÷ 0.9.
Maximum foam expansion ratio (in the range of foam generation), K, at least 900.
Foaming agent solution consumption (at 0.68 ± 0.05 MPa at the EHEFG inlet), l/min - 100.
Generator overall dimensions, mm, max:
- length - 809 ± 5;
- diameter - 370 ± 5.

Weight, kg, 10 ± 2.
Operating cycle - at least 50.
Service life - 20 years.
Probability of survival (GOST 27.403-2009) - 0.95.

Certificate of the Russian Federation.

Countries of export: Republic of Belarus, Republic of Kazakhstan.

RDA PLAMYA LLC



TN VED Code 8424 89 000 9

"Priboy" 400 EHEFG

EGVP-400-1.0-NF. 3.1 "Priboy" generator
TU 4854-020-11776979-04

It is designed to obtain high expansion air-filled foam and is used in foam extinguishing units that are intended for suppression or localization of class A and B fires according to GOST 27331-87 using total flooding or local total flooding method, in buildings, premises and structures of the oil, chemical, petrochemical, gas and machine-building industries, as well as in warehouses, hangars (including the aircraft ones) and other facilities. The EHEFG should be used with certified foaming agents designed to obtain high expansion foam for intended and general purpose.
The EHEFG can be used in hazardous areas.

Key performance parameters

Operating pressure range of the foaming agent solution at the EHEFG inlet, MPa, 0.5 ÷ 0.9.
Maximum foam expansion ratio (in the range of foam generation), K, at least 990.
Foaming agent solution consumption (at 0.57 ± 0.05 MPa at the EHEFG inlet), l/min - 400.
Generator overall dimensions, mm, max:
- length - 2025 ± 10;
- diameter - 920 ± 5.

Weight, kg, 60 ± 5.
Operating cycle - at least 50.
Service life - 20 years.
Probability of survival (GOST 27.403-2009) - 0.95.

Certificate of the Russian Federation.

Countries of export: Republic of Belarus, Republic of Kazakhstan.

RDA PLAMYA LLC

SECTION 5

EXTINGUISHING AGENTS





TN VED Code 3813 00 000 0

"Feniks AVS-70" general-purpose fire extinguishing powder

"Feniks AVS-70"

It is designed to extinguish fire seats of A, B, C classes and energized electrical equipment.

Key performance parameters

Extinguishing fire seats of A, B, C classes and energized electrical equipment.

Certificate of the Russian Federation.

Kalancha LLC



SECTION 6

FIRE EXTINGUISHERS





TN VED Code 8424 10 000 0

Dry powder fire extinguishers complete with gas generating unit

OP-4(g)

They are designed to extinguish fire seats of A, B, C, E classes.
Designation of technical specifications for the product: TU 4854-013-04872665-98.

Key performance parameters

FEA weight - 4 kg.
Housing inner pressure - 0.9 MPa.
FEA supply duration - 10 s.
FEA jet length - 3 m.

Scope of delivery: packaging, fire extinguisher, operation manual.

Certificate of the Russian Federation.

Tambov Experimental Design and Technical Bureau JSC



TN VED Code 8424 10 000 0

Dry powder fire extinguishers complete with gas generating unit

OP-8(g)

They are designed to extinguish fires of A, B, C, E classes.
Designation of technical specifications for the product: TU 4854-013-04872665-98.

Key performance parameters

FEA weight - 8 kg.
Housing inner pressure - 0.9 MPa.
FEA supply duration - 15 s.
FEA jet length - 4 m.

Scope of delivery: packaging, fire extinguisher, operation manual.

Certificate of the Russian Federation.

Tambov Experimental Design and Technical Bureau JSC



TN VED Code 8424 10 000 0

OP-1(z)-ABCE-01 dry powder fire extinguisher

OP-1

It is designed to extinguish fires.

Key performance parameters

FEA charge weight: 1 ± 0.5 kg.
Operating pressure: 1.4 ± 0.2 MPa.
Fire-fighting capacity in terms of extinguishing standardized fire sources of classes A/B: 0.5 A/13 V.
Operating and storage temperature: from -50°C to +50°C.
Fire extinguisher cylinder overall dimensions: 110 x 250 mm.

Cylinder service life: 10 years.
Fire extinguisher guaranteed service life: 12 months from the date of manufacture.

Certificate of the Russian Federation.

Countries of export: Republic of Azerbaijan, Republic of Uzbekistan, Georgia, Republic of Belarus, Republic of Armenia, Socialist Republic of Vietnam, Republic of Moldova, Republic of Kazakhstan, Kyrgyz Republic.

Yarpozhinvest LLC



TN VED Code 8424 10 000 0

OP-1(z)-ABCE-01 dry powder fire extinguisher

OP-1

It is designed to extinguish fires.

Key performance parameters

FEA charge weight: 1 ± 0.5 kg.
Operating pressure: 1.4 ± 0.2 MPa.
Fire-fighting capacity in terms of extinguishing standardized fire sources of classes A/B: 0.5 A/13 V.
Operating and storage temperature: from -50°C to +50°C.
Fire extinguisher cylinder overall dimensions: 110 x 250 mm.

Cylinder service life: 10 years.
Fire extinguisher guaranteed service life: 12 months from the date of manufacture.

Certificate of the Russian Federation.

Countries of export: Republic of Azerbaijan, Republic of Uzbekistan, Georgia, Republic of Belarus, Republic of Armenia, Socialist Republic of Vietnam, Republic of Moldova, Republic of Kazakhstan, Kyrgyz Republic.

Yarpozhinvest LLC



TN VED Code 8424 10 000 0

OP-1(z)-BCE-02 dry powder fire extinguisher

OP-1

It is designed to extinguish fires.

Key performance parameters

FEA charge weight: 1 ± 0.5 kg.
Operating pressure: 1.4 ± 0.2 MPa.
Fire-fighting capacity in terms of extinguishing standardized fire sources of classes A/B: –/13 V.
Operating and storage temperature: from -50°C to +50°C.
Fire extinguisher cylinder overall dimensions: 110 x 250 mm.

Cylinder service life: 10 years.
Fire extinguisher guaranteed service life: 12 months from the date of manufacture.

Certificate of the Russian Federation.

Countries of export: Republic of Azerbaijan, Republic of Uzbekistan, Georgia, Republic of Belarus, Republic of Armenia, Socialist Republic of Vietnam, Republic of Moldova, Republic of Kazakhstan, Kyrgyz Republic.

Yarpozhinvest LLC



TN VED Code 8424 10 000 0

OP-1(z)-BCE-02 dry powder fire extinguisher

OP-1

It is designed to extinguish fires.

Key performance parameters

FEA charge weight: 1 ± 0.5 kg.
Operating pressure: 1.4 ± 0.2 MPa.
Fire-fighting capacity in terms of extinguishing standardized fire sources of classes A/B: –/13 V.
Operating and storage temperature: from -50°C to +50°C.
Fire extinguisher cylinder overall dimensions: 110 x 250 mm.

Cylinder service life: 10 years.
Fire extinguisher guaranteed service life: 12 months from the date of manufacture.

Certificate of the Russian Federation.

Countries of export: Republic of Azerbaijan, Republic of Uzbekistan, Georgia, Republic of Belarus, Republic of Armenia, Socialist Republic of Vietnam, Republic of Moldova, Republic of Kazakhstan, Kyrgyz Republic.

Yarpozhinvest LLC



TN VED Code 8424 10 000 0

OP-2(z)-ABCE-01 dry powder fire extinguisher

OP-2

It is designed to extinguish fires.

Key performance parameters

FEA charge weight: 2 ± 0.1 kg.
Operating pressure: 1.4 ± 0.2 MPa.
Fire-fighting capacity in terms of extinguishing standardized fire sources of classes A/B: 0.7 A/21 V.
Operating and storage temperature: from -50°C to +50°C.
Fire extinguisher cylinder overall dimensions: 110 x 340 mm.

Cylinder service life: 10 years.
Fire extinguisher guaranteed service life: 12 months from the date of manufacture.

Certificate of the Russian Federation.

Countries of export: Republic of Azerbaijan, Republic of Uzbekistan, Georgia, Republic of Belarus, Republic of Armenia, Socialist Republic of Vietnam, Republic of Moldova, Republic of Kazakhstan, Kyrgyz Republic.

Yarpozhinvest LLC



TN VED Code 8424 10 000 0

OP-2(z)-ABCE-01 dry powder fire extinguisher

OP-2

It is designed to extinguish fires.

Key performance parameters

FEA charge weight: 2 ± 0.1 kg.
Operating pressure: 1.4 ± 0.2 MPa.
Fire-fighting capacity in terms of extinguishing standardized fire sources of classes A/B: 0.7 A/21 V.
Operating and storage temperature: from -50°C to +50°C.
Fire extinguisher cylinder overall dimensions: 110 x 340 mm.

Cylinder service life: 10 years.
Fire extinguisher guaranteed service life: 12 months from the date of manufacture.

Certificate of the Russian Federation.

Countries of export: Republic of Azerbaijan, Republic of Uzbekistan, Georgia, Republic of Belarus, Republic of Armenia, Socialist Republic of Vietnam, Republic of Moldova, Republic of Kazakhstan, Kyrgyz Republic.

Yarpozhinvest LLC



TN VED Code 8424 10 000 0

OP-2(z)-BCE-02 ZPU dry powder fire extinguisher

OP-2

It is designed to extinguish fires.

Key performance parameters

FEA charge weight: 2 ± 0.1 kg.
Operating pressure: 1.4 ± 0.2 MPa.
Fire-fighting capacity in terms of extinguishing standardized fire sources of classes A/B: –/21 V.
Operating and storage temperature: from -50°C to +50°C.
Fire extinguisher cylinder overall dimensions: 110 x 340 mm.

Cylinder service life: 10 years.
Fire extinguisher guaranteed service life: 12 months from the date of manufacture.

Certificate of the Russian Federation.

Countries of export: Republic of Azerbaijan, Republic of Uzbekistan, Georgia, Republic of Belarus, Republic of Armenia, Socialist Republic of Vietnam, Republic of Moldova, Republic of Kazakhstan, Kyrgyz Republic.

Yarpozhinvest LLC



TN VED Code 8424 10 000 0

OP-2(z)-BCE-02 ZPU dry powder fire extinguisher

OP-2

It is designed to extinguish fires.

Key performance parameters

FEA charge weight: 2 ± 0.1 kg.
Operating pressure: 1.4 ± 0.2 MPa.
Fire-fighting capacity in terms of extinguishing standardized fire sources of classes A/B: –/21 V.
Operating and storage temperature: from -50°C to +50°C.
Fire extinguisher cylinder overall dimensions: 110 x 340 mm.

Cylinder service life: 10 years.
Fire extinguisher guaranteed service life: 12 months from the date of manufacture.

Certificate of the Russian Federation.

Countries of export: Republic of Azerbaijan, Republic of Uzbekistan, Georgia, Republic of Belarus, Republic of Armenia, Socialist Republic of Vietnam, Republic of Moldova, Republic of Kazakhstan, Kyrgyz Republic.

Yarpozhinvest LLC



TN VED Code 8424 10 000 0

OP-3(z)-ABCE-01 dry powder fire extinguisher

OP-3

It is designed to extinguish fires.

Key performance parameters

FEA charge weight: 3 ± 0.15 kg.
Operating pressure: 1.4 ± 0.2 MPa.
Fire-fighting capacity in terms of extinguishing standardized fire sources of classes A/B: 1 A/34 V.
Operating and storage temperature: from -50°C to +50°C.
Fire extinguisher cylinder overall dimensions: 110 x 440 mm.

Cylinder service life: 10 years.
Fire extinguisher guaranteed service life: 12 months from the date of manufacture.

Certificate of the Russian Federation.

Countries of export: Republic of Azerbaijan, Republic of Uzbekistan, Georgia, Republic of Belarus, Republic of Armenia, Socialist Republic of Vietnam, Republic of Moldova, Republic of Kazakhstan, Kyrgyz Republic.

Yarpozhinvest LLC



TN VED Code 8424 10 000 0

OP-3(z)-ABCE-01 dry powder fire extinguisher

OP-3

It is designed to extinguish fires.

Key performance parameters

FEA charge weight: 3 ± 0.15 kg.
Operating pressure: 1.4 ± 0.2 MPa.
Fire-fighting capacity in terms of extinguishing standardized fire sources of classes A/B: 1 A/34 V.
Operating and storage temperature: from -50°C to +50°C.
Fire extinguisher cylinder overall dimensions: 110 x 440 mm.

Cylinder service life: 10 years.
Fire extinguisher guaranteed service life: 12 months from the date of manufacture.

Certificate of the Russian Federation.

Countries of export: Republic of Azerbaijan, Republic of Uzbekistan, Georgia, Republic of Belarus, Republic of Armenia, Socialist Republic of Vietnam, Republic of Moldova, Republic of Kazakhstan, Kyrgyz Republic.

Yarpozhinvest LLC



TN VED Code 8424 10 000 0

OP-3(z)-BCE-02 ZPU dry powder fire extinguisher

OP-3

It is designed to extinguish fires.

Key performance parameters

FEA charge weight: 3 ± 0.15 kg.
Operating pressure: 1.4 ± 0.2 MPa.
Fire-fighting capacity in terms of extinguishing standardized fire sources of classes A/B: 1 A/34 V.
Operating and storage temperature: from -50°C to +50°C.
Fire extinguisher cylinder overall dimensions: 110 x 440 mm.

Cylinder service life: 10 years.
Fire extinguisher guaranteed service life: 12 months from the date of manufacture.

Certificate of the Russian Federation.

Countries of export: Republic of Azerbaijan, Republic of Uzbekistan, Georgia, Republic of Belarus, Republic of Armenia, Socialist Republic of Vietnam, Republic of Moldova, Republic of Kazakhstan, Kyrgyz Republic.

Yarpozhinvest LLC



TN VED Code 8424 10 000 0

OP-3(z)-BCE-02 ZPU dry powder fire extinguisher

OP-3

It is designed to extinguish fires.

Key performance parameters

FEA charge weight: 3 ± 0.15 kg.
Operating pressure: 1.4 ± 0.2 MPa.
Fire-fighting capacity in terms of extinguishing standardized fire sources of classes A/B: 1 A/34 V.
Operating and storage temperature: from -50°C to +50°C.
Fire extinguisher cylinder overall dimensions: 110 x 440 mm.

Cylinder service life: 10 years.
Fire extinguisher guaranteed service life: 12 months from the date of manufacture.

Certificate of the Russian Federation.

Countries of export: Republic of Azerbaijan, Republic of Uzbekistan, Georgia, Republic of Belarus, Republic of Armenia, Socialist Republic of Vietnam, Republic of Moldova, Republic of Kazakhstan, Kyrgyz Republic.

Yarpozhinvest LLC



TN VED Code 8424 10 000 0

OP-4(z)-ABCE-01 dry powder fire extinguisher

OP-4

It is designed to extinguish fires.

Key performance parameters

FEA charge weight: 4 ± 0.15 kg.
Operating pressure: 1.4 ± 0.2 MPa.
Fire-fighting capacity in terms of extinguishing standardized fire sources of classes A/B: 2 A/55 V.
Operating and storage temperature: from -50°C to +50°C.
Fire extinguisher cylinder overall dimensions: 113 x 430 mm.

Cylinder service life: 10 years.
Fire extinguisher guaranteed service life: 12 months from the date of manufacture.

Certificate of the Russian Federation.

Countries of export: Republic of Azerbaijan, Republic of Uzbekistan, Georgia, Republic of Belarus, Republic of Armenia, Socialist Republic of Vietnam, Republic of Moldova, Republic of Kazakhstan, Kyrgyz Republic.

Yarpozhinvest LLC



TN VED Code 8424 10 000 0

OP-4(z)-ABCE-01 dry powder fire extinguisher

OP-4

It is designed to extinguish fires.

Key performance parameters

FEA charge weight: 4 ± 0.15 kg.
Operating pressure: 1.4 ± 0.2 MPa.
Fire-fighting capacity in terms of extinguishing standardized fire sources of classes A/B: 2 A/55 V.
Operating and storage temperature: from -50°C to +50°C.
Fire extinguisher cylinder overall dimensions: 113 x 430 mm.

Cylinder service life: 10 years.
Fire extinguisher guaranteed service life: 12 months from the date of manufacture.

Certificate of the Russian Federation.

Countries of export: Republic of Azerbaijan, Republic of Uzbekistan, Georgia, Republic of Belarus, Republic of Armenia, Socialist Republic of Vietnam, Republic of Moldova, Republic of Kazakhstan, Kyrgyz Republic.

Yarpozhinvest LLC



TN VED Code 8424 10 000 0

OP-4(z)-BCE-02 ZPU dry powder fire extinguisher

OP-4

It is designed to extinguish fires.

Key performance parameters

FEA charge weight: 4 ± 0.2 kg.
Operating pressure: 1.4 ± 0.2 MPa.
Fire-fighting capacity in terms of extinguishing standardized fire sources of classes A/B: –/55 V.
Operating and storage temperature: from -50°C to +50°C.
Fire extinguisher cylinder overall dimensions: 113 x 430 mm.

Cylinder service life: 10 years.
Fire extinguisher guaranteed service life: 12 months from the date of manufacture.

Certificate of the Russian Federation.

Countries of export: Republic of Azerbaijan, Republic of Uzbekistan, Georgia, Republic of Belarus, Republic of Armenia, Socialist Republic of Vietnam, Republic of Moldova, Republic of Kazakhstan, Kyrgyz Republic.

Yarpozhinvest LLC



TN VED Code 8424 10 000 0

OP-4(z)-BCE-02 ZPU dry powder fire extinguisher

OP-4

It is designed to extinguish fires.

Key performance parameters

FEA charge weight: 4 ± 0.2 kg.
Operating pressure: 1.4 ± 0.2 MPa.
Fire-fighting capacity in terms of extinguishing standardized fire sources of classes A/B: –/55 V.
Operating and storage temperature: from -50°C to +50°C.
Fire extinguisher cylinder overall dimensions: 113 x 430 mm.

Cylinder service life: 10 years.
Fire extinguisher guaranteed service life: 12 months from the date of manufacture.

Certificate of the Russian Federation.

Countries of export: Republic of Azerbaijan, Republic of Uzbekistan, Georgia, Republic of Belarus, Republic of Armenia, Socialist Republic of Vietnam, Republic of Moldova, Republic of Kazakhstan, Kyrgyz Republic.

Yarpozhinvest LLC



TN VED Code 8424 10 000 0

OP-5(z)-ABCE-01 dry powder fire extinguisher

OP-5

It is designed to extinguish fires.

Key performance parameters

FEA charge weight: 5 ± 0.25 kg.
Operating pressure: 1.4 ± 0.2 MPa.
Fire-fighting capacity in terms of extinguishing standardized fire sources of classes A/B: 2 A/70 V.
Operating and storage temperature: from -50°C to +50°C.
Fire extinguisher cylinder overall dimensions: 113 x 520 mm.

Cylinder service life: 10 years.
Fire extinguisher guaranteed service life: 12 months from the date of manufacture.

Certificate of the Russian Federation.

Countries of export: Republic of Azerbaijan, Republic of Uzbekistan, Georgia, Republic of Belarus, Republic of Armenia, Socialist Republic of Vietnam, Republic of Moldova, Republic of Kazakhstan, Kyrgyz Republic.

Yarpozhinvest LLC



TN VED Code 8424 10 000 0

OP-5(z)-ABCE-01 dry powder fire extinguisher

OP-5

It is designed to extinguish fires.

Key performance parameters

FEA charge weight: 5 ± 0.25 kg.
Operating pressure: 1.4 ± 0.2 MPa.
Fire-fighting capacity in terms of extinguishing standardized fire sources of classes A/B: 2 A/70 V.
Operating and storage temperature: from -50°C to +50°C.
Fire extinguisher cylinder overall dimensions: 113 x 520 mm.

Cylinder service life: 10 years.
Fire extinguisher guaranteed service life: 12 months from the date of manufacture.

Certificate of the Russian Federation.

Countries of export: Republic of Azerbaijan, Republic of Uzbekistan, Georgia, Republic of Belarus, Republic of Armenia, Socialist Republic of Vietnam, Republic of Moldova, Republic of Kazakhstan, Kyrgyz Republic.

Yarpozhinvest LLC



TN VED Code 8424 10 000 0

OP-5(z)-BCE-02 ZPU dry powder fire extinguisher

OP-5

It is designed to extinguish fires.

Key performance parameters

FEA charge weight: 5 ± 0.25 kg.
Operating pressure: 1.4 ± 0.2 MPa.
Fire-fighting capacity in terms of extinguishing standardized fire sources of classes A/B: –/70 V.
Operating and storage temperature: from -50°C to +50°C.
Fire extinguisher cylinder overall dimensions: 113 x 520 mm.

Cylinder service life: 10 years.
Fire extinguisher guaranteed service life: 12 months from the date of manufacture.

Certificate of the Russian Federation.

Countries of export: Republic of Azerbaijan, Republic of Uzbekistan, Georgia, Republic of Belarus, Republic of Armenia, Socialist Republic of Vietnam, Republic of Moldova, Republic of Kazakhstan, Kyrgyz Republic.

Yarpozhinvest LLC



TN VED Code 8424 10 000 0

OP-5(z)-BCE-02 ZPU dry powder fire extinguisher

OP-5

It is designed to extinguish fires.

Key performance parameters

FEA charge weight: 5 ± 0.25 kg.
Operating pressure: 1.4 ± 0.2 MPa.
Fire-fighting capacity in terms of extinguishing standardized fire sources of classes A/B: –/70 V.
Operating and storage temperature: from -50°C to +50°C.
Fire extinguisher cylinder overall dimensions: 113 x 520 mm.

Cylinder service life: 10 years.
Fire extinguisher guaranteed service life: 12 months from the date of manufacture.

Certificate of the Russian Federation.

Countries of export: Republic of Azerbaijan, Republic of Uzbekistan, Georgia, Republic of Belarus, Republic of Armenia, Socialist Republic of Vietnam, Republic of Moldova, Republic of Kazakhstan, Kyrgyz Republic.

Yarpozhinvest LLC



TN VED Code 8424 10 000 0

OP-6(z)-ABCE-01 dry powder fire extinguisher

OP-6

It is designed to extinguish fires.

Key performance parameters

FEA charge weight: 6 ± 0.3 kg.
Operating pressure: 1.4 ± 0.2 MPa.
Fire-fighting capacity in terms of extinguishing standardized fire sources of classes A/B: 3 A/89 V.
Operating and storage temperature: from -50°C to +50°C.
Fire extinguisher cylinder overall dimensions: 160 x 470 mm.

Cylinder service life: 10 years.
Fire extinguisher guaranteed service life: 12 months from the date of manufacture.

Certificate of the Russian Federation.

Countries of export: Republic of Azerbaijan, Republic of Uzbekistan, Georgia, Republic of Belarus, Republic of Armenia, Socialist Republic of Vietnam, Republic of Moldova, Republic of Kazakhstan, Kyrgyz Republic.

Yarpozhinvest LLC



TN VED Code 8424 10 000 0

OP-6(z)-ABCE-01 dry powder fire extinguisher

OP-6

It is designed to extinguish fires.

Key performance parameters

FEA charge weight: 6 ± 0.3 kg.
Operating pressure: 1.4 ± 0.2 MPa.
Fire-fighting capacity in terms of extinguishing standardized fire sources of classes A/B: 3 A/89 V.
Operating and storage temperature: from -50°C to +50°C.
Fire extinguisher cylinder overall dimensions: 160 x 470 mm.

Cylinder service life: 10 years.
Fire extinguisher guaranteed service life: 12 months from the date of manufacture.

Certificate of the Russian Federation.

Countries of export: Republic of Azerbaijan, Republic of Uzbekistan, Georgia, Republic of Belarus, Republic of Armenia, Socialist Republic of Vietnam, Republic of Moldova, Republic of Kazakhstan, Kyrgyz Republic.

Yarpozhinvest LLC



TN VED Code 8424 10 000 0

OP-6(z)-BCE-02 ZPU dry powder fire extinguisher

OP-6

It is designed to extinguish fires.

Key performance parameters

FEA charge weight: 6 ± 0.3 kg.
Operating pressure: 1.4 ± 0.2 MPa.
Fire-fighting capacity in terms of extinguishing standardized fire sources of classes A/B: –/89 V.
Operating and storage temperature: from -50°C to +50°C.
Fire extinguisher cylinder overall dimensions: 160 x 470 mm.

Cylinder service life: 10 years.
Fire extinguisher guaranteed service life: 12 months from the date of manufacture.

Certificate of the Russian Federation.

Countries of export: Republic of Azerbaijan, Republic of Uzbekistan, Georgia, Republic of Belarus, Republic of Armenia, Socialist Republic of Vietnam, Republic of Moldova, Republic of Kazakhstan, Kyrgyz Republic.

Yarpozhinvest LLC



TN VED Code 8424 10 000 0

OP-6(z)-BCE-02 ZPU dry powder fire extinguisher

OP-6

It is designed to extinguish fires.

Key performance parameters

FEA charge weight: 6 ± 0.3 kg.
Operating pressure: 1.4 ± 0.2 MPa.
Fire-fighting capacity in terms of extinguishing standardized fire sources of classes A/B: -/89 V.
Operating and storage temperature: from -50°C to +50°C.
Fire extinguisher cylinder overall dimensions: 160 x 470 mm.

Cylinder service life: 10 years.
Fire extinguisher guaranteed service life: 12 months from the date of manufacture.

Certificate of the Russian Federation.

Countries of export: Republic of Azerbaijan, Republic of Uzbekistan, Georgia, Republic of Belarus, Republic of Armenia, Socialist Republic of Vietnam, Republic of Moldova, Republic of Kazakhstan, Kyrgyz Republic.

Yarpozhinvest LLC



TN VED Code 8424 10 000 0

OP-7(z)-ABCE-01 dry powder fire extinguisher

OP-7

It is designed to extinguish fires.

Key performance parameters

FEA charge weight: 7 ± 0.35 kg.
Operating pressure: 1.4 ± 0.2 MPa.
Fire-fighting capacity in terms of extinguishing standardized fire sources of classes A/B: 3 A/113 V.
Operating and storage temperature: from -50°C to +50°C.
Fire extinguisher cylinder overall dimensions: 160 x 510 mm.

Cylinder service life: 10 years.
Fire extinguisher guaranteed service life: 12 months from the date of manufacture.

Certificate of the Russian Federation.

Countries of export: Republic of Azerbaijan, Republic of Uzbekistan, Georgia, Republic of Belarus, Republic of Armenia, Socialist Republic of Vietnam, Republic of Moldova, Republic of Kazakhstan, Kyrgyz Republic.

Yarpozhinvest LLC



TN VED Code 8424 10 000 0

OP-7(z)-ABCE-01 dry powder fire extinguisher

OP-7

It is designed to extinguish fires.

Key performance parameters

FEA charge weight: 7 ± 0.35 kg.
Operating pressure: 1.4 ± 0.2 MPa.
Fire-fighting capacity in terms of extinguishing standardized fire sources of classes A/B: 3 A/113 V.
Operating and storage temperature: from -50°C to +50°C.
Fire extinguisher cylinder overall dimensions: 160 x 510 mm.

Cylinder service life: 10 years.
Fire extinguisher guaranteed service life: 12 months from the date of manufacture.

Certificate of the Russian Federation.

Countries of export: Republic of Azerbaijan, Republic of Uzbekistan, Georgia, Republic of Belarus, Republic of Armenia, Socialist Republic of Vietnam, Republic of Moldova, Republic of Kazakhstan, Kyrgyz Republic.

Yarpozhinvest LLC



TN VED Code 8424 10 000 0

OP-7(z)-BCE-02 ZPU dry powder fire extinguisher

OP-7

It is designed to extinguish fires.

Key performance parameters

FEA charge weight: 7 ± 0.35 kg.
Operating pressure: 1.4 ± 0.2 MPa.
Fire-fighting capacity in terms of extinguishing standardized fire sources of classes A/B: –/113 V.
Operating and storage temperature: from -50°C to +50°C.
Fire extinguisher cylinder overall dimensions: 160 x 510 mm.

Cylinder service life: 10 years.
Fire extinguisher guaranteed service life: 12 months from the date of manufacture.

Certificate of the Russian Federation.

Countries of export: Republic of Azerbaijan, Republic of Uzbekistan, Georgia, Republic of Belarus, Republic of Armenia, Socialist Republic of Vietnam, Republic of Moldova, Republic of Kazakhstan, Kyrgyz Republic.

Yarpozhinvest LLC



TN VED Code 8424 10 000 0

OP-7(z)-BCE-02 ZPU dry powder fire extinguisher

OP-7

It is designed to extinguish fires.

Key performance parameters

FEA charge weight: 7 ± 0.35 kg.
Operating pressure: 1.4 ± 0.2 MPa.
Fire-fighting capacity in terms of extinguishing standardized fire sources of classes A/B: –/113 V.
Operating and storage temperature: from -50°C to +50°C.
Fire extinguisher cylinder overall dimensions: 160 x 510 mm.

Cylinder service life: 10 years.
Fire extinguisher guaranteed service life: 12 months from the date of manufacture.

Certificate of the Russian Federation.

Countries of export: Republic of Azerbaijan, Republic of Uzbekistan, Georgia, Republic of Belarus, Republic of Armenia, Socialist Republic of Vietnam, Republic of Moldova, Republic of Kazakhstan, Kyrgyz Republic.

Yarpozhinvest LLC



TN VED Code 8424 10 000 0

OP-8(z)-ABCE-01 dry powder fire extinguisher

OP-8

It is designed to extinguish fires.

Key performance parameters

FEA charge weight: 8 ± 0.4 kg.
Operating pressure: 1.4 ± 0.2 MPa.
Fire-fighting capacity in terms of extinguishing standardized fire sources of classes A/B: 4 A/144 V.
Operating and storage temperature: from -50°C to +50°C.
Fire extinguisher cylinder overall dimensions: 160 x 535 mm.

Cylinder service life: 10 years.
Fire extinguisher guaranteed service life: 12 months from the date of manufacture.

Certificate of the Russian Federation.

Countries of export: Republic of Azerbaijan, Republic of Uzbekistan, Georgia, Republic of Belarus, Republic of Armenia, Socialist Republic of Vietnam, Republic of Moldova, Republic of Kazakhstan, Kyrgyz Republic.

Yarpozhinvest LLC



TN VED Code 8424 10 000 0

OP-8(z)-ABCE-01 dry powder fire extinguisher

OP-8

It is designed to extinguish fires.

Key performance parameters

FEA charge weight: 8 ± 0.4 kg.
Operating pressure: 1.4 ± 0.2 MPa.
Fire-fighting capacity in terms of extinguishing standardized fire sources of classes A/B: 4 A/144 V.
Operating and storage temperature: from -50°C to +50°C.
Fire extinguisher cylinder overall dimensions: 160 x 535 mm.

Cylinder service life: 10 years.
Fire extinguisher guaranteed service life: 12 months from the date of manufacture.

Certificate of the Russian Federation.

Countries of export: Republic of Azerbaijan, Republic of Uzbekistan, Georgia, Republic of Belarus, Republic of Armenia, Socialist Republic of Vietnam, Republic of Moldova, Republic of Kazakhstan, Kyrgyz Republic.

Yarpozhinvest LLC



TN VED Code 8424 10 000 0

OP-8(z)-BCE-02 ZPU dry powder fire extinguisher

OP-8

It is designed to extinguish fires.

Key performance parameters

FEA charge weight: 8 ± 0.4 kg.
Operating pressure: 1.4 ± 0.2 MPa.
Fire-fighting capacity in terms of extinguishing standardized fire sources of classes A/B: –/144 V.
Operating and storage temperature: from -50°C to +50°C.
Fire extinguisher cylinder overall dimensions: 160 x 535 mm.

Cylinder service life: 10 years.
Fire extinguisher guaranteed service life: 12 months from the date of manufacture.

Certificate of the Russian Federation.

Countries of export: Republic of Azerbaijan, Republic of Uzbekistan, Georgia, Republic of Belarus, Republic of Armenia, Socialist Republic of Vietnam, Republic of Moldova, Republic of Kazakhstan, Kyrgyz Republic.

Yarpozhinvest LLC



TN VED Code 8424 10 000 0

OP-8(z)-BCE-02 ZPU dry powder fire extinguisher

OP-8

It is designed to extinguish fires.

Key performance parameters

FEA charge weight: 8 ± 0.4 kg.
Operating pressure: 1.4 ± 0.2 MPa.
Fire-fighting capacity in terms of extinguishing standardized fire sources of classes A/B: –/144 V.
Operating and storage temperature: from -50°C to +50°C.
Fire extinguisher cylinder overall dimensions: 160 x 535 mm.

Cylinder service life: 10 years.
Fire extinguisher guaranteed service life: 12 months from the date of manufacture.

Certificate of the Russian Federation.

Countries of export: Republic of Azerbaijan, Republic of Uzbekistan, Georgia, Republic of Belarus, Republic of Armenia, Socialist Republic of Vietnam, Republic of Moldova, Republic of Kazakhstan, Kyrgyz Republic.

Yarpozhinvest LLC



TN VED Code 8424 10 000 0

OP-9(z)-ABCE-01 dry powder fire extinguisher

OP-9

It is designed to extinguish fires.

Key performance parameters

FEA charge weight: 9 ± 0.45 kg.
Operating pressure: 1.4 ± 0.2 MPa.
Fire-fighting capacity in terms of extinguishing standardized fire sources of classes A/B: 4 A/144 V.
Operating and storage temperature: from -50°C to +50°C.
Fire extinguisher cylinder overall dimensions: 169 x 555 mm.

Cylinder service life: 10 years.
Fire extinguisher guaranteed service life: 12 months from the date of manufacture.

Certificate of the Russian Federation.

Countries of export: Republic of Azerbaijan, Republic of Uzbekistan, Georgia, Republic of Belarus, Republic of Armenia, Socialist Republic of Vietnam, Republic of Moldova, Republic of Kazakhstan, Kyrgyz Republic.

Yarpozhinvest LLC



TN VED Code 8424 10 000 0

OP-9(z)-ABCE-01 dry powder fire extinguisher

OP-9

It is designed to extinguish fires.

Key performance parameters

FEA charge weight: 9 ± 0.45 kg.
Operating pressure: 1.4 ± 0.2 MPa.
Fire-fighting capacity in terms of extinguishing standardized fire sources of classes A/B: 4 A/144 V.
Operating and storage temperature: from -50°C to +50°C.
Fire extinguisher cylinder overall dimensions: 169 x 555 mm.

Cylinder service life: 10 years.
Fire extinguisher guaranteed service life: 12 months from the date of manufacture.

Certificate of the Russian Federation.

Countries of export: Republic of Azerbaijan, Republic of Uzbekistan, Georgia, Republic of Belarus, Republic of Armenia, Socialist Republic of Vietnam, Republic of Moldova, Republic of Kazakhstan, Kyrgyz Republic.

Yarpozhinvest LLC



TN VED Code 8424 10 000 0

OP-9(z)-BCE-02 ZPU dry powder fire extinguisher

OP-9

It is designed to extinguish fires.

Key performance parameters

FEA charge weight: 9 ± 0.45 kg.
Operating pressure: 1.4 ± 0.2 MPa.
Fire-fighting capacity in terms of extinguishing standardized fire sources of classes A/B: –/144 V.
Operating and storage temperature: from -50°C to +50°C.
Fire extinguisher cylinder overall dimensions: 169 x 555 mm.

Cylinder service life: 10 years.
Fire extinguisher guaranteed service life: 12 months from the date of manufacture.

Certificate of the Russian Federation.

Countries of export: Republic of Azerbaijan, Republic of Uzbekistan, Georgia, Republic of Belarus, Republic of Armenia, Socialist Republic of Vietnam, Republic of Moldova, Republic of Kazakhstan, Kyrgyz Republic.

Yarpozhinvest LLC



TN VED Code 8424 10 000 0

OP-9(z)-BCE-02 ZPU dry powder fire extinguisher

OP-9

It is designed to extinguish fires.

Key performance parameters

FEA charge weight: 9 ± 0.45 kg.
Operating pressure: 1.4 ± 0.2 MPa.
Fire-fighting capacity in terms of extinguishing standardized fire sources of classes A/B: –/144 V.
Operating and storage temperature: from -50°C to +50°C.
Fire extinguisher cylinder overall dimensions: 169 x 555 mm.

Cylinder service life: 10 years.
Fire extinguisher guaranteed service life: 12 months from the date of manufacture.

Certificate of the Russian Federation.

Countries of export: Republic of Azerbaijan, Republic of Uzbekistan, Georgia, Republic of Belarus, Republic of Armenia, Socialist Republic of Vietnam, Republic of Moldova, Republic of Kazakhstan, Kyrgyz Republic.

Yarpozhinvest LLC



TN VED Code 8424 10 000 0

OP-10(z)-ABCE-01 dry powder fire extinguisher

OP-10

It is designed to extinguish fires.

Key performance parameters

FEA charge weight: 10 ± 0.5 kg.
Operating pressure: 1.4 ± 0.2 MPa.
Fire-fighting capacity in terms of extinguishing standardized fire sources of classes A/B: 4 A/144 V.
Operating and storage temperature: from -50°C to +50°C.
Fire extinguisher cylinder overall dimensions: 169 x 615 mm.

Cylinder service life: 10 years.
Fire extinguisher guaranteed service life: 12 months from the date of manufacture.

Certificate of the Russian Federation.

Countries of export: Republic of Azerbaijan, Republic of Uzbekistan, Georgia, Republic of Belarus, Republic of Armenia, Socialist Republic of Vietnam, Republic of Moldova, Republic of Kazakhstan, Kyrgyz Republic.

Yarpozhinvest LLC



TN VED Code 8424 10 0000

OP-10(z)-ABCE-01 dry powder fire extinguisher

ОП-10

It is designed to extinguish fires.

Key performance parameters

FEA charge weight: 10 ± 0.5 kg.
Operating pressure: 1.4 ± 0.2 MPa.
Fire-fighting capacity in terms of extinguishing standardized fire sources of classes A/B: 4 A/144 V.
Operating and storage temperature: from -50°C to +50°C.
Fire extinguisher cylinder overall dimensions: 169 x 615 mm.

Cylinder service life: 10 years.
Fire extinguisher guaranteed service life: 12 months from the date of manufacture.

Certificate of the Russian Federation.

Countries of export: Republic of Azerbaijan, Republic of Uzbekistan, Georgia, Republic of Belarus, Republic of Armenia, Socialist Republic of Vietnam, Republic of Moldova, Republic of Kazakhstan, Kyrgyz Republic.

Yarpozhinvest LLC



TN VED Code 8424 10 000 0

OP-10(z)-BCE-02 dry powder fire extinguisher

ОП-10

It is designed to extinguish fires.

Key performance parameters

FEA charge weight: 10 ± 0.5 kg.
Operating pressure: 1.4 ± 0.2 MPa.
Fire-fighting capacity in terms of extinguishing standardized fire sources of classes A/B: –/144 V.
Operating and storage temperature: from -50°C to +50°C.
Fire extinguisher cylinder overall dimensions: 169 x 615 mm.

Cylinder service life: 10 years.
Fire extinguisher guaranteed service life: 12 months from the date of manufacture.

Certificate of the Russian Federation.

Countries of export: Republic of Azerbaijan, Republic of Uzbekistan, Georgia, Republic of Belarus, Republic of Armenia, Socialist Republic of Vietnam, Republic of Moldova, Republic of Kazakhstan, Kyrgyz Republic.

Yarpozhinvest LLC



TN VED Code 8424 10 000 0

OP-10(z)-BCE-02 dry powder fire extinguisher

OP-10

It is designed to extinguish fires.

Key performance parameters

FEA charge weight: 10 ± 0.5 kg.
Operating pressure: 1.4 ± 0.2 MPa.
Fire-fighting capacity in terms of extinguishing standardized fire sources of classes A/B: –/144 V.
Operating and storage temperature: from -50°C to +50°C.
Fire extinguisher cylinder overall dimensions: 169 x 615 mm.

Cylinder service life: 10 years.
Fire extinguisher guaranteed service life: 12 months from the date of manufacture.

Certificate of the Russian Federation.

Countries of export: Republic of Azerbaijan, Republic of Uzbekistan, Georgia, Republic of Belarus, Republic of Armenia, Socialist Republic of Vietnam, Republic of Moldova, Republic of Kazakhstan, Kyrgyz Republic.

Yarpozhinvest LLC



TN VED Code 8424 10 000 0

OP-25 (z)-ABCE-01 dry powder fire extinguisher

OP-25

It is designed to extinguish fires.

Key performance parameters

FEA charge weight: 25 ± 1.25 kg.
Operating pressure: 1.4 ± 0.2 MPa.
Fire-fighting capacity in terms of extinguishing standardized fire sources of classes A/B: 1 A/233 V.
Operating and storage temperature: from -50°C to +50°C.
Fire extinguisher cylinder overall dimensions: 315 x 700 mm.

Cylinder service life: 10 years.
Fire extinguisher guaranteed service life: 12 months from the date of manufacture.

Certificate of the Russian Federation.

Countries of export: Republic of Azerbaijan, Republic of Uzbekistan, Georgia, Republic of Belarus, Republic of Armenia, Socialist Republic of Vietnam, Republic of Moldova, Republic of Kazakhstan, Kyrgyz Republic.

Yarpozhinvest LLC



TN VED Code 8424 10 000 0

OP-25 (z)-BCE-02 dry powder fire extinguisher

OP-25

It is designed to extinguish fires.

Key performance parameters

FEA charge weight: 25 ± 1.25 kg.
Operating pressure: 1.4 ± 0.2 MPa.
Fire-fighting capacity in terms of extinguishing standardized fire sources of classes A/B: -/233 V.
Operating and storage temperature: from -50°C to +50°C.
Fire extinguisher cylinder overall dimensions: 315 x 700 mm.

Cylinder service life: 10 years.
Fire extinguisher guaranteed service life: 12 months from the date of manufacture.

Certificate of the Russian Federation.

Countries of export: Republic of Azerbaijan, Republic of Uzbekistan, Georgia, Republic of Belarus, Republic of Armenia, Socialist Republic of Vietnam, Republic of Moldova, Republic of Kazakhstan, Kyrgyz Republic.

Yarpozhinvest LLC



TN VED Code 8424 10 000 0

OP-35 (z)-ABCE-01 dry powder fire extinguisher

OP-35

It is designed to extinguish fires.

Key performance parameters

FEA charge weight: 35 ± 1.75 kg.
Operating pressure: 1.4 ± 0.2 MPa.
Fire-fighting capacity in terms of extinguishing standardized fire sources of classes A/B: 6 A/233 V.
Operating and storage temperature: from -50°C to +50°C.
Fire extinguisher cylinder overall dimensions: 315 x 680 mm.

Cylinder service life: 10 years.
Fire extinguisher guaranteed service life: 12 months from the date of manufacture.

Certificate of the Russian Federation.

Countries of export: Republic of Azerbaijan, Republic of Uzbekistan, Georgia, Republic of Belarus, Republic of Armenia, Socialist Republic of Vietnam, Republic of Moldova, Republic of Kazakhstan, Kyrgyz Republic.

Yarpozhinvest LLC



TN VED Code 8424 10 0000

OP-35 (z)-BCE-02 dry powder fire extinguisher

OP-35

It is designed to extinguish fires.

Key performance parameters

FEA charge weight: 35 ± 1.75 kg.
Operating pressure: 1.4 ± 0.2 MPa.
Fire-fighting capacity in terms of extinguishing standardized fire sources of classes A/B: –/233 V.
Operating and storage temperature: from -50°C to +50°C.
Fire extinguisher cylinder overall dimensions: 315 x 680 mm.

Cylinder service life: 10 years.
Fire extinguisher guaranteed service life: 12 months from the date of manufacture.

Certificate of the Russian Federation.

Countries of export: Republic of Azerbaijan, Republic of Uzbekistan, Georgia, Republic of Belarus, Republic of Armenia, Socialist Republic of Vietnam, Republic of Moldova, Republic of Kazakhstan, Kyrgyz Republic.

Yarpozhinvest LLC



TN VED Code 8424 10 000 0

OP-40 (z)-ABCE-01 dry powder fire extinguisher

OP-40

It is designed to extinguish fires.

Key performance parameters

FEA charge weight: 40 ± 2.0 kg.
Operating pressure: 1.4 ± 0.2 MPa.
Fire-fighting capacity in terms of extinguishing standardized fire sources of classes A/B: 6 A/233 V.
Operating and storage temperature: from -50°C to +50°C.
Fire extinguisher cylinder overall dimensions: 315 x 850 mm.

Cylinder service life: 10 years.
Fire extinguisher guaranteed service life: 12 months from the date of manufacture.

Certificate of the Russian Federation.

Countries of export: Republic of Azerbaijan, Republic of Uzbekistan, Georgia, Republic of Belarus, Republic of Armenia, Socialist Republic of Vietnam, Republic of Moldova, Republic of Kazakhstan, Kyrgyz Republic.

Yarpozhinvest LLC



TN VED Code 8424 10 000 0

OP-40 (z)-BCE-02 dry powder fire extinguisher

OP-40

It is designed to extinguish fires.

Key performance parameters

FEA charge weight: 40 ± 2.00 kg.
Operating pressure: 1.4 ± 0.2 MPa.
Fire-fighting capacity in terms of extinguishing standardized fire sources of classes A/B: –/233 V.
Operating and storage temperature: from -50°C to +50°C.
Fire extinguisher cylinder overall dimensions: 315 x 850 mm.

Cylinder service life: 10 years.
Fire extinguisher guaranteed service life: 12 months from the date of manufacture.

Certificate of the Russian Federation.

Countries of export: Republic of Azerbaijan, Republic of Uzbekistan, Georgia, Republic of Belarus, Republic of Armenia, Socialist Republic of Vietnam, Republic of Moldova, Republic of Kazakhstan, Kyrgyz Republic.

Yarpozhinvest LLC



TN VED Code 8424 10 000 0

OP-50 (z)-BCE-02 dry powder fire extinguisher

OP-50

It is designed to extinguish fires.

Key performance parameters

FEA charge weight: 40 ± 2.00 kg.
Operating pressure: 1.4 ± 0.2 MPa.
Fire-fighting capacity in terms of extinguishing standardized fire sources of classes A/B: –/233 V.
Operating and storage temperature: from -50°C to +50°C.
Fire extinguisher cylinder overall dimensions: 315 x 950 mm.

Cylinder service life: 10 years.
Fire extinguisher guaranteed service life: 12 months from the date of manufacture.

Certificate of the Russian Federation.

Countries of export: Republic of Azerbaijan, Republic of Uzbekistan, Georgia, Republic of Belarus, Republic of Armenia, Socialist Republic of Vietnam, Republic of Moldova, Republic of Kazakhstan, Kyrgyz Republic.

Yarpozhinvest LLC



TN VED Code 8424 10 000 0

OP-50 (z)-ABCE-01 dry powder fire extinguisher

OP-50

It is designed to extinguish fires.

Key performance parameters

FEA charge weight: 40 ± 2.00 kg.
Operating pressure: 1.4 ± 0.2 MPa.
Fire-fighting capacity in terms of extinguishing standardized fire sources of classes A/B: 6 A/233 V.
Operating and storage temperature: from -50°C to +50°C.
Fire extinguisher cylinder overall dimensions: 315 x 950 mm.

Cylinder service life: 10 years.
Fire extinguisher guaranteed service life: 12 months from the date of manufacture.

Certificate of the Russian Federation.

Countries of export: Republic of Azerbaijan, Republic of Uzbekistan, Georgia, Republic of Belarus, Republic of Armenia, Socialist Republic of Vietnam, Republic of Moldova, Republic of Kazakhstan, Kyrgyz Republic.

Yarpozhinvest LLC



TN VED Code 8424 10 000 0

OP-70 (z)-ABCE-01 dry powder fire extinguisher

OP-70

It is designed to extinguish fires.

Key performance parameters

FEA charge weight: 70 ± 3.5 kg.
Operating pressure: 1.4 ± 0.2 MPa.
Fire-fighting capacity in terms of extinguishing standardized fire sources of classes A/B: 10 A/233 V.
Operating and storage temperature: from -50°C to +50°C.
Fire extinguisher cylinder overall dimensions: 315 x 1200 mm.

Cylinder service life: 10 years.
Fire extinguisher guaranteed service life: 12 months from the date of manufacture.

Certificate of the Russian Federation.

Countries of export: Republic of Azerbaijan, Republic of Uzbekistan, Georgia, Republic of Belarus, Republic of Armenia, Socialist Republic of Vietnam, Republic of Moldova, Republic of Kazakhstan, Kyrgyz Republic.

Yarpozhinvest LLC



TN VED Code 8424 10 000 0

OP-75 (z)-ABCE-01 dry powder fire extinguisher

OP-75

It is designed to extinguish fires.

Key performance parameters

FEA charge weight: 75 ± 3.75 kg.
Operating pressure: 1.4 ± 0.2 MPa.
Fire-fighting capacity in terms of extinguishing standardized fire sources of classes A/B: 10 A/233 V-2.
Operating and storage temperature: from -50°C to +50°C.
Fire extinguisher cylinder overall dimensions: 315 x 1250 mm.

Cylinder service life: 10 years.
Fire extinguisher guaranteed service life: 12 months from the date of manufacture.

Certificate of the Russian Federation.

Countries of export: Republic of Azerbaijan, Republic of Uzbekistan, Georgia, Republic of Belarus, Republic of Armenia, Socialist Republic of Vietnam, Republic of Moldova, Republic of Kazakhstan, Kyrgyz Republic.

Yarpozhinvest LLC



TN VED Code 8424 10 000 0

OP-75 (z)-BCE-02 dry powder fire extinguisher

OP-75

It is designed to extinguish fires.

Key performance parameters

FEA charge weight: 75 ± 3.75 kg.
Operating pressure: 1.4 ± 0.2 MPa.
Fire-fighting capacity in terms of extinguishing standardized fire sources of classes A/B: –/233 V-2.
Operating and storage temperature: from -50°C to +50°C.
Fire extinguisher cylinder overall dimensions: 315 x 1250 mm.

Cylinder service life: 10 years.
Fire extinguisher guaranteed service life: 12 months from the date of manufacture.

Certificate of the Russian Federation.

Countries of export: Republic of Azerbaijan, Republic of Uzbekistan, Georgia, Republic of Belarus, Republic of Armenia, Socialist Republic of Vietnam, Republic of Moldova, Republic of Kazakhstan, Kyrgyz Republic.

Yarpozhinvest LLC



TN VED Code 8424 10 000 0

OP-100 (z)-ABCE-01 dry powder fire extinguisher

OP-100

It is designed to extinguish fires.

Key performance parameters

FEA charge weight: 100 ± 5.00 kg.
Operating pressure: 1.4 ± 0.2 MPa.
Fire-fighting capacity in terms of extinguishing standardized fire sources of classes A/B: 10 A/233 V-2.
Operating and storage temperature: from -50°C to +50°C.
Fire extinguisher cylinder overall dimensions: 315 x 1300 mm.

Cylinder service life: 10 years.
Fire extinguisher guaranteed service life: 12 months from the date of manufacture.

Certificate of the Russian Federation.

Countries of export: Republic of Azerbaijan, Republic of Uzbekistan, Georgia, Republic of Belarus, Republic of Armenia, Socialist Republic of Vietnam, Republic of Moldova, Republic of Kazakhstan, Kyrgyz Republic.

Yarpozhinvest LLC



TN VED Code 8424 10 000 0

OP-100 (z)-BCE-02 dry powder fire extinguisher

OP-100

It is designed to extinguish fires.

Key performance parameters

FEA charge weight: 100 ± 5.00 kg.
Operating pressure: 1.4 ± 0.2 MPa.
Fire-fighting capacity in terms of extinguishing standardized fire sources of classes A/B: –/233 V-2.
Operating and storage temperature: from -50°C to +50°C.
Fire extinguisher cylinder overall dimensions: 315 x 1300 mm.

Cylinder service life: 10 years.
Fire extinguisher guaranteed service life: 12 months from the date of manufacture.

Certificate of the Russian Federation.

Countries of export: Republic of Azerbaijan, Republic of Uzbekistan, Georgia, Republic of Belarus, Republic of Armenia, Socialist Republic of Vietnam, Republic of Moldova, Republic of Kazakhstan, Kyrgyz Republic.

Yarpozhinvest LLC



TN VED Code 8424 10 000 0

OU-1-BCE-01 carbon dioxide extinguisher

OU-1

It is designed to extinguish fires.

Key performance parameters

FEA charge weight: $1.0^{-0.05}$ kg.
Operating pressure: 5.88 MPa (60 kgf/cm^2).
Fire-fighting capacity in terms of extinguishing standardized fire sources of classes B: 13 V.
Operating and storage temperature: from -40°C to +50°C.
Fire extinguisher cylinder overall dimensions: 89 x 1390 mm.

Cylinder service life: 10 years.
Fire extinguisher guaranteed service life: 12 months from the date of manufacture.

Certificate of the Russian Federation.

Countries of export: Republic of Azerbaijan, Republic of Uzbekistan, Georgia, Republic of Belarus, Republic of Armenia, Socialist Republic of Vietnam, Republic of Moldova, Republic of Kazakhstan, Kyrgyz Republic.

Yarpozhinvest LLC



TN VED Code 8424 10 000 0

OU-2-BCE-01 carbon dioxide extinguisher

OU-2

It is designed to extinguish fires.

Key performance parameters

FEA charge weight: $2.0^{-0.1}$ kg.
Operating pressure: 5.88 MPa (60 kgf/cm^2).
Fire-fighting capacity in terms of extinguishing standardized fire sources of classes B: 21 V.
Operating and storage temperature: from -40°C to +50°C.
Fire extinguisher cylinder overall dimensions: 108 x 500 mm.

Cylinder service life: 10 years.
Fire extinguisher guaranteed service life: 12 months from the date of manufacture.

Certificate of the Russian Federation.

Countries of export: Republic of Azerbaijan, Republic of Uzbekistan, Georgia, Republic of Belarus, Republic of Armenia, Socialist Republic of Vietnam, Republic of Moldova, Republic of Kazakhstan, Kyrgyz Republic.

Yarpozhinvest LLC



TN VED Code 8424 10 000 0

OU-3-BCE-01 carbon dioxide extinguisher

OU-3

It is designed to extinguish fires.

Key performance parameters

FEA charge weight: $3.0^{-0.15}$ kg.
Operating pressure: 5.88 MPa (60 kgf/cm^2).
Fire-fighting capacity in terms of extinguishing standardized fire sources of classes B: 34 V.
Operating and storage temperature: from -40°C to +50°C.
Fire extinguisher cylinder overall dimensions: 133 x 480 mm.

Cylinder service life: 10 years.
Fire extinguisher guaranteed service life: 12 months from the date of manufacture.

Certificate of the Russian Federation.

Countries of export: Republic of Azerbaijan, Republic of Uzbekistan, Georgia, Republic of Belarus, Republic of Armenia, Socialist Republic of Vietnam, Republic of Moldova, Republic of Kazakhstan, Kyrgyz Republic.

Yarpozhinvest LLC



TN VED Code 8424 10 000 0

OU-4-BCE-01 carbon dioxide extinguisher

OU-4

It is designed to extinguish fires.

Key performance parameters

FEA charge weight: $4.0^{-0.2}$ kg.
Operating pressure: 5.88 MPa (60 kgf/cm^2).
Fire-fighting capacity in terms of extinguishing standardized fire sources of classes B: 34 V.
Operating and storage temperature: from -40°C to +50°C.
Fire extinguisher cylinder overall dimensions: 133 x 590 mm.

Cylinder service life: 10 years.
Fire extinguisher guaranteed service life: 12 months from the date of manufacture.

Certificate of the Russian Federation.

Countries of export: Republic of Azerbaijan, Republic of Uzbekistan, Georgia, Republic of Belarus, Republic of Armenia, Socialist Republic of Vietnam, Republic of Moldova, Republic of Kazakhstan, Kyrgyz Republic.

Yarpozhinvest LLC



TN VED Code 8424 10 000 0

OU-5-BCE-01 carbon dioxide extinguisher

OU-5

It is designed to extinguish fires.

Key performance parameters

FEA charge weight: $5.0^{-0.25}$ kg.
Operating pressure: 5.88 MPa (60 kgf/cm^2).
Fire-fighting capacity in terms of extinguishing standardized fire sources of classes B: 55 V.
Operating and storage temperature: from -40°C to +50°C.
Fire extinguisher cylinder overall dimensions: 133 x 720 mm.

Cylinder service life: 10 years.
Fire extinguisher guaranteed service life: 12 months from the date of manufacture.

Certificate of the Russian Federation.

Countries of export: Republic of Azerbaijan, Republic of Uzbekistan, Georgia, Republic of Belarus, Republic of Armenia, Socialist Republic of Vietnam, Republic of Moldova, Republic of Kazakhstan, Kyrgyz Republic.

Yarpozhinvest LLC



TN VED Code 8424 10 0000

OU-6-BCE-01 carbon dioxide extinguisher

OU-6

It is designed to extinguish fires.

Key performance parameters

FEA charge weight: $6.0^{-0.3}$ kg.
Operating pressure: 5.88 MPa (60 kgf/cm^2).
Fire-fighting capacity in terms of extinguishing standardized fire sources of classes B: 70 V.
Operating and storage temperature: from -40°C to +50°C.
Fire extinguisher cylinder overall dimensions: 133 x 810 mm.

Cylinder service life: 10 years.
Fire extinguisher guaranteed service life: 12 months from the date of manufacture.

Certificate of the Russian Federation.

Countries of export: Republic of Azerbaijan, Republic of Uzbekistan, Georgia, Republic of Belarus, Republic of Armenia, Socialist Republic of Vietnam, Republic of Moldova, Republic of Kazakhstan, Kyrgyz Republic.

Yarpozhinvest LLC



TN VED Code 8424 10 000 0

OU-7-BCE-01 carbon dioxide extinguisher

OU-7

It is designed to extinguish fires.

Key performance parameters

FEA charge weight: $7.0^{-0.35}$ kg.
Operating pressure: 5.88 MPa (60 kgf/cm^2).
Fire-fighting capacity in terms of extinguishing standardized fire sources of classes B: 70 V.
Operating and storage temperature: from -40°C to +50°C.
Fire extinguisher cylinder overall dimensions: 133 x 930 mm.

Cylinder service life: 10 years.
Fire extinguisher guaranteed service life: 12 months from the date of manufacture.

Certificate of the Russian Federation.

Countries of export: Republic of Azerbaijan, Republic of Uzbekistan, Georgia, Republic of Belarus, Republic of Armenia, Socialist Republic of Vietnam, Republic of Moldova, Republic of Kazakhstan, Kyrgyz Republic.

Yarpozhinvest LLC



TN VED Code 8424 10 000 0

OU-8-BCE-01 carbon dioxide extinguisher

OU-8

It is designed to extinguish fires.

Key performance parameters

FEA charge weight: $8.0^{-0.4}$ kg.
Operating pressure: 5.88 MPa (60 kgf/cm^2).
Fire-fighting capacity in terms of extinguishing standardized fire sources of classes B: 70 V.
Operating and storage temperature: from -40°C to +50°C.
Fire extinguisher cylinder overall dimensions: 133 x 1040 mm.

Cylinder service life: 10 years.
Fire extinguisher guaranteed service life: 12 months from the date of manufacture.

Certificate of the Russian Federation.

Countries of export: Republic of Azerbaijan, Republic of Uzbekistan, Georgia, Republic of Belarus, Republic of Armenia, Socialist Republic of Vietnam, Republic of Moldova, Republic of Kazakhstan, Kyrgyz Republic.

Yarpozhinvest LLC



TN VED Code 8424 10 000 0

OU-10-BCE-01 carbon dioxide extinguisher

OU-10

It is designed to extinguish fires.

Key performance parameters

FEA charge weight: $10.0^{-0.5}$ kg.
Operating pressure: 5.88 MPa (60 kgf/cm^2).
Fire-fighting capacity in terms of extinguishing standardized fire sources of classes B: 55 V.
Operating and storage temperature: from -40°C to +50°C.
Fire extinguisher cylinder overall dimensions: 162 x 920 mm.

Cylinder service life: 10 years.
Fire extinguisher guaranteed service life: 12 months from the date of manufacture.

Certificate of the Russian Federation.

Countries of export: Republic of Azerbaijan, Republic of Uzbekistan, Georgia, Republic of Belarus, Republic of Armenia, Socialist Republic of Vietnam, Republic of Moldova, Republic of Kazakhstan, Kyrgyz Republic.

Yarpozhinvest LLC



TN VED Code 8424 10 000 0

OU-15-BCE-01 carbon dioxide extinguisher

OU-15

It is designed to extinguish fires.

Key performance parameters

FEA charge weight: $7.5^{-0.35}$ *2 kg.
Operating pressure: 5.88 MPa (60 kgf/cm^2).
Fire-fighting capacity in terms of extinguishing standardized fire sources of classes B: 70 V.
Operating and storage temperature: from -40°C to +50°C.
Fire extinguisher cylinder overall dimensions: 133 x 1180 mm.

Cylinder service life: 10 years.
Fire extinguisher guaranteed service life: 12 months from the date of manufacture.

Certificate of the Russian Federation.

Countries of export: Republic of Azerbaijan, Republic of Uzbekistan, Georgia, Republic of Belarus, Republic of Armenia, Socialist Republic of Vietnam, Republic of Moldova, Republic of Kazakhstan, Kyrgyz Republic.

Yarpozhinvest LLC



TN VED Code 8424 10 000 0

OU-20-BCE-01 carbon dioxide extinguisher

OU-20

Purpose: extinguishing fires.

Key performance parameters

FEA charge weight: $10^{-0.5}$ *2 kg.
Operating pressure: 5.88 MPa (60 kgf/cm^2).
Fire-fighting capacity in terms of extinguishing standardized fire sources of classes B: 70 V.
Operating and storage temperature: from -40°C to +50°C.
Fire extinguisher cylinder overall dimensions: 162 x 920 mm.

Cylinder service life: 10 years.
Fire extinguisher guaranteed service life: 12 months from the date of manufacture.

Certificate of the Russian Federation.

Countries of export: Republic of Azerbaijan, Republic of Uzbekistan, Georgia, Republic of Belarus, Republic of Armenia, Socialist Republic of Vietnam, Republic of Moldova, Republic of Kazakhstan, Kyrgyz Republic.

Yarpozhinvest LLC



TN VED Code 8424 10 000 0

OU-25-BCE-01 carbon dioxide extinguisher

OU-25

It is designed to extinguish fires.

Key performance parameters

FEA charge weight: $12.5^{-0.62}$ *2 kg.
Operating pressure: 5.88 MPa (60 kgf/cm^2).
Fire-fighting capacity in terms of extinguishing standardized fire sources of classes B: 89 V.
Operating and storage temperature: from -40°C to +50°C.
Fire extinguisher cylinder overall dimensions: 162 x 1110 mm.

Cylinder service life: 10 years.
Fire extinguisher guaranteed service life: 12 months from the date of manufacture.

Certificate of the Russian Federation.

Countries of export: Republic of Azerbaijan, Republic of Uzbekistan, Georgia, Republic of Belarus, Republic of Armenia, Socialist Republic of Vietnam, Republic of Moldova, Republic of Kazakhstan, Kyrgyz Republic.

Yarpozhinvest LLC



TN VED Code 8424 10 000 0

OU-40-BCE-01 carbon dioxide extinguisher

OU-40

It is designed to extinguish fires.

Key performance parameters

FEA charge weight: $13.4^{-0.67}$ *3 kg.
Operating pressure: 5.88 MPa (60 kgf/cm^2).
Fire-fighting capacity in terms of extinguishing standardized fire sources of classes B: 89 V.
Operating and storage temperature: from -40°C to +50°C.
Fire extinguisher cylinder overall dimensions: 162 x 1180 mm.

Cylinder service life: 10 years.
Fire extinguisher guaranteed service life: 12 months from the date of manufacture.

Certificate of the Russian Federation.

Countries of export: Republic of Azerbaijan, Republic of Uzbekistan, Georgia, Republic of Belarus, Republic of Armenia, Socialist Republic of Vietnam, Republic of Moldova, Republic of Kazakhstan, Kyrgyz Republic.

Yarpozhinvest LLC



TN VED Code 8424 10 000 0

OU-50-BCE-01 carbon dioxide extinguisher

OU-50

It is designed to extinguish fires.

Key performance parameters

FEA charge weight: $16.7^{-0.83}$ *3 kg.
Operating pressure: 5.88 MPa (60 kgf/cm^2).
Fire-fighting capacity in terms of extinguishing standardized fire sources of classes B: 89 V.
Operating and storage temperature: from -40°C to +50°C.
Fire extinguisher cylinder overall dimensions: 162 x 1650 mm.

Cylinder service life: 10 years.
Fire extinguisher guaranteed service life: 12 months from the date of manufacture.

Certificate of the Russian Federation.

Countries of export: Republic of Azerbaijan, Republic of Uzbekistan, Georgia, Republic of Belarus, Republic of Armenia, Socialist Republic of Vietnam, Republic of Moldova, Republic of Kazakhstan, Kyrgyz Republic.

Yarpozhinvest LLC



TN VED Code 8424 10 000 0

OU-55-BCE-01 carbon dioxide extinguisher

OU-55

It is designed to extinguish fires.

Key performance parameters

FEA charge weight: $18.4^{-0.92}$ *3 kg.
Operating pressure: 5.88 MPa (60 kgf/cm2).
Fire-fighting capacity in terms of extinguishing standardized fire sources of classes B: 144 V.
Operating and storage temperature: from -40°C to +50°C.
Fire extinguisher cylinder overall dimensions: 162 x 1650 mm.

Cylinder service life: 10 years.
Fire extinguisher guaranteed service life: 12 months from the date of manufacture.

Certificate of the Russian Federation.

Countries of export: Republic of Azerbaijan, Republic of Uzbekistan, Georgia, Republic of Belarus, Republic of Armenia, Socialist Republic of Vietnam, Republic of Moldova, Republic of Kazakhstan, Kyrgyz Republic.

Yarpozhinvest LLC



TN VED Code 8424 10 000 0

OVP-4(z)-AV-01 (FtorPAV) frost-resistant mechanical foam fire extinguisher

OVP-4-01

It is designed to extinguish fires.

Key performance parameters

FEA charge weight: $4.0^{-0.2}$ L.
Operating pressure: 1.4 ± 0.2 MPa.
Fire-fighting capacity in terms of extinguishing standardized fire sources of classes A/B: 1 A/55 V.
Operating and storage temperature: from -40°C to +50°C.
Fire extinguisher cylinder overall dimensions: 133 x 380 mm.

Cylinder service life: 10 years.
Fire extinguisher guaranteed service life: 12 months from the date of manufacture.

Certificate of the Russian Federation.

Countries of export: Republic of Azerbaijan, Republic of Uzbekistan, Georgia, Republic of Belarus, Republic of Armenia, Socialist Republic of Vietnam, Republic of Moldova, Republic of Kazakhstan, Kyrgyz Republic.

Yarpozhinvest LLC



TN VED Code 8424 10 000 0

OVP-4(z)-AV-02 (UgPAV) mechanical foam fire extinguisher

OVP-4-02

It is designed to extinguish fires.

Key performance parameters

FEA charge weight: $4.0^{-0.2}$ L.
Operating pressure: 1.4 ± 0.2 MPa.
Fire-fighting capacity in terms of extinguishing standardized fire sources of classes A/B: 1 A/55 V.
Operating and storage temperature: from 0°C to +50°C.
Fire extinguisher cylinder overall dimensions: 133 x 380 mm.

Cylinder service life: 10 years.
Fire extinguisher guaranteed service life: 12 months from the date of manufacture.

Certificate of the Russian Federation.

Countries of export: Republic of Azerbaijan, Republic of Uzbekistan, Georgia, Republic of Belarus, Republic of Armenia, Socialist Republic of Vietnam, Republic of Moldova, Republic of Kazakhstan, Kyrgyz Republic.

Yarpozhinvest LLC



TN VED Code 8424 10 000 0

OVP-84(z)-AV-01 (FtorPAV) frost-resistant mechanical foam fire extinguisher

OVP-8-01

It is designed to extinguish fires.

Key performance parameters

FEA charge weight: $8.0^{-0.2}$ L.
Operating pressure: 1.4±0.2 MPa.
Fire-fighting capacity in terms of extinguishing standardized fire sources of classes A/B: 2 A/89 V.
Operating and storage temperature: from -40°C to +50°C.
Fire extinguisher cylinder overall dimensions: 160 x 490 mm.

Cylinder service life: 10 years.
Fire extinguisher guaranteed service life: 12 months from the date of manufacture.

Certificate of the Russian Federation.

Countries of export: Republic of Azerbaijan, Republic of Uzbekistan, Georgia, Republic of Belarus, Republic of Armenia, Socialist Republic of Vietnam, Republic of Moldova, Republic of Kazakhstan, Kyrgyz Republic.

Yarpozhinvest LLC



TN VED Code 8424 10 000 0

OVP-8(z)-AV-02 (UgPAV) mechanical foam fire extinguisher

OVP-8-02

It is designed to extinguish fires.

Key performance parameters

FEA charge weight: $8.0^{-0.4}$ L.
Operating pressure: 1.4 ± 0.2 MPa.
Fire-fighting capacity in terms of extinguishing standardized fire sources of classes A/B: 2 A/89 V.
Operating and storage temperature: from 0°C to +50°C.
Fire extinguisher cylinder overall dimensions: 160 x 490 mm.

Cylinder service life: 10 years.
Fire extinguisher guaranteed service life: 12 months from the date of manufacture.

Certificate of the Russian Federation.

Countries of export: Republic of Azerbaijan, Republic of Uzbekistan, Georgia, Republic of Belarus, Republic of Armenia, Socialist Republic of Vietnam, Republic of Moldova, Republic of Kazakhstan, Kyrgyz Republic.

Yarpozhinvest LLC



TN VED Code 8424 10 000 0

OVP-10(z)-AV-01 (FtorPAV) frost-resistant mechanical foam fire extinguisher

OVP-10-01

It is designed to extinguish fires.

Key performance parameters

FEA charge weight: $10.0^{-0.5}$ L.
Operating pressure: 1.4 ± 0.2 MPa.
Fire-fighting capacity in terms of extinguishing standardized fire sources of classes A/B: 3 A/144 V.
Operating and storage temperature: from -40°C to +50°C.
Fire extinguisher cylinder overall dimensions: 170 x 585 mm.

Cylinder service life: 10 years.
Fire extinguisher guaranteed service life: 12 months from the date of manufacture.

Certificate of the Russian Federation.

Countries of export: Republic of Azerbaijan, Republic of Uzbekistan, Georgia, Republic of Belarus, Republic of Armenia, Socialist Republic of Vietnam, Republic of Moldova, Republic of Kazakhstan, Kyrgyz Republic.

Yarpozhinvest LLC



TN VED Code 8424 10 000 0

OVP-10(z)-AV-02 (UgPAV) mechanical foam fire extinguisher

OVP-10-02

It is designed to extinguish fires.

Key performance parameters

FEA charge weight: $10.0^{-0.5}$ L.
Operating pressure: 1.4 ± 0.2 MPa.
Fire-fighting capacity in terms of extinguishing standardized fire sources of classes A/B: 3 A/144 V.
Operating and storage temperature: from 0°C to +50°C.
Fire extinguisher cylinder overall dimensions: 170 x 585 mm.

Cylinder service life: 10 years.
Fire extinguisher guaranteed service life: 12 months from the date of manufacture.

Certificate of the Russian Federation.

Countries of export: Republic of Azerbaijan, Republic of Uzbekistan, Georgia, Republic of Belarus, Republic of Armenia, Socialist Republic of Vietnam, Republic of Moldova, Republic of Kazakhstan, Kyrgyz Republic.

Yarpozhinvest LLC



TN VED Code 8424 10 000 0

OVP(n)-40(z)-AV-01 (FtorPAV) mechanical foam fire extinguisher

OVP-40-01

It is designed to extinguish fires.

Key performance parameters

FEA charge weight: $40.0^{-2.0}$ L.
Operating pressure: 1.4 ± 0.2 MPa.
Fire-fighting capacity in terms of extinguishing standardized fire sources of classes A/B: 4 A/233 V.
Operating and storage temperature: from 0°C to +50°C.
Fire extinguisher cylinder overall dimensions: 300 x 780 mm.

Cylinder service life: 10 years.
Fire extinguisher guaranteed service life: 12 months from the date of manufacture.

Certificate of the Russian Federation.

Countries of export: Republic of Azerbaijan, Republic of Uzbekistan, Georgia, Republic of Belarus, Republic of Armenia, Socialist Republic of Vietnam, Republic of Moldova, Republic of Kazakhstan, Kyrgyz Republic.

Yarpozhinvest LLC



TN VED Code 8424 10 000 0

OVP(n)-40(z)-AV-02 (FtorPAV) frost-resistant mechanical foam fire extinguisher

OVP-40-02

It is designed to extinguish fires.

Key performance parameters

FEA charge weight: $40.0^{-2.0}$ L.
Operating pressure: 1.4 ± 0.2 MPa.
Fire-fighting capacity in terms of extinguishing standardized fire sources of classes A/B: 4 A/233 V.
Operating and storage temperature: from -40°C to +50°C.
Fire extinguisher cylinder overall dimensions: 300 x 780 mm.

Cylinder service life: 10 years.
Fire extinguisher guaranteed service life: 12 months from the date of manufacture.

Certificate of the Russian Federation.

Countries of export: Republic of Azerbaijan, Republic of Uzbekistan, Georgia, Republic of Belarus, Republic of Armenia, Socialist Republic of Vietnam, Republic of Moldova, Republic of Kazakhstan, Kyrgyz Republic.

Yarpozhinvest LLC



TN VED Code 8424 10 000 0

OVP(n)-50(z)-AV-01 (FtorPAV) mechanical foam fire extinguisher

OVP-50-01

It is designed to extinguish fires.

Key performance parameters

FEA charge weight: $50.0^{-2.5}$ L.
Operating pressure: 1.4 ± 0.2 MPa.
Fire-fighting capacity in terms of extinguishing standardized fire sources of classes A/B: 4 A/233 V.
Operating and storage temperature: from 0°C to +50°C.
Fire extinguisher cylinder overall dimensions: 315 x 900 mm.

Cylinder service life: 10 years.
Fire extinguisher guaranteed service life: 12 months from the date of manufacture.

Certificate of the Russian Federation.

Countries of export: Republic of Azerbaijan, Republic of Uzbekistan, Georgia, Republic of Belarus, Republic of Armenia, Socialist Republic of Vietnam, Republic of Moldova, Republic of Kazakhstan, Kyrgyz Republic.

Yarpozhinvest LLC



TN VED Code 8424 10 000 0

OVP(n)-50(z)-AV-02 (FtorPAV) frost-resistant mechanical foam fire extinguisher

OVP-50-02

It is designed to extinguish fires.

Key performance parameters

FEA charge weight: $50.0^{-2.5}$ L.
Operating pressure: 1.4 ± 0.2 MPa.
Fire-fighting capacity in terms of extinguishing standardized fire sources of classes A/B: 4 A/233 V.
Operating and storage temperature: from -40°C to +50°C.
Fire extinguisher cylinder overall dimensions: 315 x 900 mm.

Cylinder service life: 10 years.
Fire extinguisher guaranteed service life: 12 months from the date of manufacture.

Certificate of the Russian Federation.

Countries of export: Republic of Azerbaijan, Republic of Uzbekistan, Georgia, Republic of Belarus, Republic of Armenia, Socialist Republic of Vietnam, Republic of Moldova, Republic of Kazakhstan, Kyrgyz Republic.

Yarpozhinvest LLC



TN VED Code 8424 10 000 0

OVP(n)-80(z)-AV-01 (FtorPAV) mechanical foam fire extinguisher

OVP-80-01

It is designed to extinguish fires.

Key performance parameters

FEA charge weight: $80.0^{-4.0}$ L.
Operating pressure: 1.4 ± 0.2 MPa.
Fire-fighting capacity in terms of extinguishing standardized fire sources of classes A/B: 6 A/233 V-2.
Operating and storage temperature: from 0°C to +50°C.
Fire extinguisher cylinder overall dimensions: 375 x 1150 mm.

Cylinder service life: 10 years.
Fire extinguisher guaranteed service life: 12 months from the date of manufacture.

Certificate of the Russian Federation.

Countries of export: Republic of Azerbaijan, Republic of Uzbekistan, Georgia, Republic of Belarus, Republic of Armenia, Socialist Republic of Vietnam, Republic of Moldova, Republic of Kazakhstan, Kyrgyz Republic.

Yarpozhinvest LLC



TN VED Code 8424 10 000 0

OVP(n)-80(z)-AV-02 (FtorPAV) frost-resistant mechanical foam fire extinguisher

OVP-80-02

It is designed to extinguish fires.

Key performance parameters

FEA charge weight: $80.0^{-4.0}$ L.
Operating pressure: 1.4 ± 0.2 MPa.
Fire-fighting capacity in terms of extinguishing standardized fire sources of classes A/B: 6 A/233 V-2.
Operating and storage temperature: from -40°C to +50°C.
Fire extinguisher cylinder overall dimensions: 375 x 1150 mm.

Cylinder service life: 10 years.
Fire extinguisher guaranteed service life: 12 months from the date of manufacture.

Certificate of the Russian Federation.

Countries of export: Republic of Azerbaijan, Republic of Uzbekistan, Georgia, Republic of Belarus, Republic of Armenia, Socialist Republic of Vietnam, Republic of Moldova, Republic of Kazakhstan, Kyrgyz Republic.

Yarpozhinvest LLC



TN VED Code 8424 10 000 0

OVP(n)-100(z)-AV-01 (FtorPAV) mechanical foam fire extinguisher

OVP-100-01

It is designed to extinguish fires.

Key performance parameters

FEA charge weight: $100.0^{-5.0}$ L.
Operating pressure: 1.4 ± 0.2 MPa.
Fire-fighting capacity in terms of extinguishing standardized fire sources of classes A/B: 6 A/233 V-2.
Operating and storage temperature: from 0°C to +50°C.
Fire extinguisher cylinder overall dimensions: 375 x 1200 mm.

Cylinder service life: 10 years.
Fire extinguisher guaranteed service life: 12 months from the date of manufacture.

Certificate of the Russian Federation.

Countries of export: Republic of Azerbaijan, Republic of Uzbekistan, Georgia, Republic of Belarus, Republic of Armenia, Socialist Republic of Vietnam, Republic of Moldova, Republic of Kazakhstan, Kyrgyz Republic.

Yarpozhinvest LLC



TN VED Code 8424 10 000 0

OVP(n)-100(z)-AV-02 (FtorPAV) frost-resistant mechanical foam fire extinguisher

OVP-100-02

It is designed to extinguish fires.

Key performance parameters

FEA charge weight: $100.0^{-5.0}$ L.
Operating pressure: 1.4 ± 0.2 MPa.
Fire-fighting capacity in terms of extinguishing standardized fire sources of classes A/B: 6 A/233 V-2.
Operating and storage temperature: from 0°C to +50°C.
Fire extinguisher cylinder overall dimensions: 375 x 1200 mm.

Cylinder service life: 10 years.
Fire extinguisher guaranteed service life: 12 months from the date of manufacture.

Certificate of the Russian Federation.

Countries of export: Republic of Azerbaijan, Republic of Uzbekistan, Georgia, Republic of Belarus, Republic of Armenia, Socialist Republic of Vietnam, Republic of Moldova, Republic of Kazakhstan, Kyrgyz Republic.

Yarpozhinvest LLC



TN VED Code 8424 10 000 0

OP-70 (z)-BCE-02 dry powder fire extinguisher

OP-70

It is designed to extinguish fires.

Key performance parameters

FEA charge weight: 70 ± 3.5 kg.
Operating pressure: 1.4 ± 0.2 MPa.
Fire-fighting capacity in terms of extinguishing standardized fire sources of classes A/B: –/233 V.
Operating and storage temperature: from -50°C to +50°C.
Fire extinguisher cylinder overall dimensions: 315 x 1200 mm.

Cylinder service life: 10 years.
Fire extinguisher guaranteed service life: 12 months from the date of manufacture.

Certificate of the Russian Federation.

Countries of export: Republic of Azerbaijan, Republic of Uzbekistan, Georgia, Republic of Belarus, Republic of Armenia, Socialist Republic of Vietnam, Republic of Moldova, Republic of Kazakhstan, Kyrgyz Republic.

Yarpozhinvest LLC



TN VED Code 8424 10 000 0

OPS-100(z)-D-01 special dry powder fire extinguisher

OPS-100(z)-D-01

It is designed to extinguish fires.

Key performance parameters

FEA charge weight: 100 ± 5.0 kg.
Operating pressure: 1.6 ± 0.2 MPa.
Fire-fighting capacity in terms of extinguishing standardized fire sources of classes D1: 8 D.
Operating and storage temperature: from -50°C to +50°C.
Fire extinguisher cylinder overall dimensions: 375 x 1732 mm.

Cylinder service life: 10 years.
Fire extinguisher guaranteed service life: 12 months from the date of manufacture.

Certificate of the Russian Federation.

Countries of export: Republic of Azerbaijan, Republic of Uzbekistan, Georgia, Republic of Belarus, Republic of Armenia, Socialist Republic of Vietnam, Republic of Moldova, Republic of Kazakhstan, Kyrgyz Republic.

Yarpozhinvest LLC



TN VED Code 8424 10 000 0

MPP-2.5 dry powder fire extinguishing module complete with a frangible bulb triggering at *t* of 68°C

MPP-2.5

It is designed to extinguish fires.

Key performance parameters

FEA charge weight: 2.3 ± 0.1 kg.
Operating pressure: 1.4 ± 0.1 MPa.
Area of operation, m^2/volume, m^3 and fire extinguishing capacity to extinguish a standardized fire source of class A/volume, m^3 and fire extinguishing capacity to extinguish a standardized fire source of class B: 7/18/16/21 V.
Operating and storage temperature: from -50°C to +50°C.
Fire extinguisher cylinder overall dimensions: 169 x 230 mm.

Cylinder service life: 10 years.
Fire extinguisher guaranteed service life: 12 months from the date of manufacture.

Certificate of the Russian Federation.

Countries of export: Republic of Azerbaijan, Republic of Uzbekistan, Georgia, Republic of Belarus, Republic of Armenia, Socialist Republic of Vietnam, Republic of Moldova, Republic of Kazakhstan, Kyrgyz Republic.

Yarpozhinvest LLC



TN VED Code 8424 10 000 0

MPP-5 dry powder fire extinguishing module complete with a frangible bulb triggering at *t* of 68°C

MPP-5

It is designed to extinguish fires.

Key performance parameters

FEA charge weight: 4.5 ± 0.2 kg.
Operating pressure: 1.4 ± 0.1 MPa.
Area of operation, m^2/volume, m^3 and fire extinguishing capacity to extinguish a standardized fire source of class A/volume, m3 and fire extinguishing capacity to extinguish a standardized fire source of class B: 10/26/25/55 V.
Operating and storage temperature: from -50°C to +50°C.
Fire extinguisher cylinder overall dimensions: 300 x 240 mm.

Cylinder service life: 10 years.
Fire extinguisher guaranteed service life: 12 months from the date of manufacture.

Certificate of the Russian Federation.

Countries of export: Republic of Azerbaijan, Republic of Uzbekistan, Georgia, Republic of Belarus, Republic of Armenia, Socialist Republic of Vietnam, Republic of Moldova, Republic of Kazakhstan, Kyrgyz Republic.

Yarpozhinvest LLC



TN VED Code 8424 10 000 0

MPP-7 dry powder fire extinguishing module complete with a frangible bulb triggering at *t* of 68°C

MPP-7

It is designed to extinguish fires.

Key performance parameters

FEA charge weight: 6.5 ± 0.3 kg.
Operating pressure: 1.4 ± 0.1 MPa.
Area of operation, m^2/volume, m^3 and fire extinguishing capacity to extinguish a standardized fire source of class A/volume, m3 and fire extinguishing capacity to extinguish a standardized fire source of class B: 16/36/28/89 V.
Operating and storage temperature: from -50°C to +50°C.
Fire extinguisher cylinder overall dimensions: 300 x 255 mm.

Cylinder service life: 10 years.
Fire extinguisher guaranteed service life: 12 months from the date of manufacture.

Certificate of the Russian Federation.

Countries of export: Republic of Azerbaijan, Republic of Uzbekistan, Georgia, Republic of Belarus, Republic of Armenia, Socialist Republic of Vietnam, Republic of Moldova, Republic of Kazakhstan, Kyrgyz Republic.

Yarpozhinvest LLC



TN VED Code 8424 10 000 0

MPP-12 dry powder fire extinguishing module complete with a frangible bulb triggering at *t* of 68°C

MPP-12

It is designed to extinguish fires.

Key performance parameters

FEA charge weight: 10.5 ± 0.5 kg.
Operating pressure: 1.4 ± 0.1 MPa.
Area of operation, m^2/volume, m^3 and fire extinguishing capacity to extinguish a standardized fire source of class A/volume, m3 and fire extinguishing capacity to extinguish a standardized fire source of class B: 45/100/36/144 V.
Operating and storage temperature: from -50°C to +50°C.
Fire extinguisher cylinder overall dimensions: 400 x 300 mm.

Cylinder service life: 10 years.
Fire extinguisher guaranteed service life: 12 months from the date of manufacture.

Certificate of the Russian Federation.

Countries of export: Republic of Azerbaijan, Republic of Uzbekistan, Georgia, Republic of Belarus, Republic of Armenia, Socialist Republic of Vietnam, Republic of Moldova, Republic of Kazakhstan, Kyrgyz Republic.

Yarpozhinvest LLC



TN VED Code 8424 10 000 0

MPP-2.5 dry powder fire extinguishing module complete with a frangible bulb triggering at *t* of 68°C and a launch unit

MPP-2.5

It is designed to extinguish fires.

Key performance parameters

FEA charge weight: 2.3 ± 0.1 kg.
Operating pressure: 1.4 ± 0.1 MPa.
Area of operation, m^2/volume, m^3 and fire extinguishing capacity to extinguish a standardized fire source of class A/volume, m3 and fire extinguishing capacity to extinguish a standardized fire source of class B: 7/18/16/21 V.
Operating and storage temperature: from -50°C to 50°C.
Fire extinguisher cylinder overall dimensions: 169 x 230 mm.

Cylinder service life: 10 years.
Fire extinguisher guaranteed service life: 12 months from the date of manufacture.

Certificate of the Russian Federation.

Countries of export: Republic of Azerbaijan, Republic of Uzbekistan, Georgia, Republic of Belarus, Republic of Armenia, Socialist Republic of Vietnam, Republic of Moldova, Republic of Kazakhstan, Kyrgyz Republic.

Yarpozhinvest LLC



TN VED Code 8424 10 000 0

MPP-5 dry powder fire extinguishing module complete with a frangible bulb triggering at *t* of 68°C and a launch unit

MPP-5

It is designed to extinguish fires.

Key performance parameters

FEA charge weight: 4.5 ± 0.2 kg.
Operating pressure: 1.4 ± 0.1 MPa.
Area of operation, m^2/volume, m^3 and fire extinguishing capacity to extinguish a standardized fire source of class A/volume, m3 and fire extinguishing capacity to extinguish a standardized fire source of class B: 10/26/25/55 V.
Operating and storage temperature: from -50°C to +50°C.
Fire extinguisher cylinder overall dimensions: 300 x 240 mm.

Cylinder service life: 10 years.
Fire extinguisher guaranteed service life: 12 months from the date of manufacture.

Certificate of the Russian Federation.

Countries of export: Republic of Azerbaijan, Republic of Uzbekistan, Georgia, Republic of Belarus, Republic of Armenia, Socialist Republic of Vietnam, Republic of Moldova, Republic of Kazakhstan, Kyrgyz Republic.

Yarpozhinvest LLC



TN VED Code 8424 10 000 0

MPP-7 dry powder fire extinguishing module complete with a frangible bulb triggering at *t* of 68°C and a launch unit

MPP-7

It is designed to extinguish fires.

Key performance parameters

FEA charge weight: 6.5 ± 0.3 kg.
Operating pressure: 1.4 ± 0.1 MPa.
Area of operation, m^2/volume, m^3 and fire extinguishing capacity to extinguish a standardized fire source of class A/volume, m3 and fire extinguishing capacity to extinguish a standardized fire source of class B: 16/36/28/89 V.
Operating and storage temperature: from -50°C to +50°C.
Fire extinguisher cylinder overall dimensions: 300 x 255 mm.

Cylinder service life: 10 years.
Fire extinguisher guaranteed service life: 12 months from the date of manufacture.

Certificate of the Russian Federation.

Countries of export: Republic of Azerbaijan, Republic of Uzbekistan, Georgia, Republic of Belarus, Republic of Armenia, Socialist Republic of Vietnam, Republic of Moldova, Republic of Kazakhstan, Kyrgyz Republic.

Yarpozhinvest LLC



TN VED Code 8424 10 000 0

MPP-12 dry powder fire extinguishing module complete with a frangible bulb triggering at *t* of 68°C and a launch unit

MPP-12

It is designed to extinguish fires.

FEA charge weight: 10.5 ± 0.5 kg.
Operating pressure: 1.4 ± 0.1 MPa.
Area of operation, m^2/volume, m^3 and fire extinguishing capacity to extinguish a standardized fire source of class A/volume, m3 and fire extinguishing capacity to extinguish a standardized fire source of class B: 45/100/36/144 V.
Operating and storage temperature: from -50°C to +50°C.
Fire extinguisher cylinder overall dimensions: 400 x 300 mm.

Cylinder service life: 10 years.
Extinguisher guaranteed service life: 12 months from the date of manufacture.

Certificate of the Russian Federation.

Countries of export: Republic of Azerbaijan, Republic of Uzbekistan, Georgia, Republic of Belarus, Republic of Armenia, Socialist Republic of Vietnam, Republic of Moldova, Republic of Kazakhstan, Kyrgyz Republic.

Yarpozhinvest LLC



TN VED Code 8424 10 000 0

Portable fire extinguishing aerosol generator

Strazhnik-3

It is designed for prompt application during the elimination of class A fires (subclass A2 - non-decaying materials), B, C, E, in conditionally sealed rooms, including electrical installations and electrical equipment under a voltage up to 35 kV, as well as for localizing class A subclass A1 fires (suppression of flame combustion).

Key performance parameters

Complete generator weight - not more than 320 g.
Maximum protected volume of a conditionally sealed room/area of local surface ignition is 1.5 m^3/0.35 m^2.
Dwell time: 5 ± 1 s.
Generator overall dimensions: length 380 ± 10 mm;
Diameter - 46 ± 2 mm.
Fire extinguishing aerosol supply time in the entire operating temperature range is 80 (+ 5 / -15) s.
Maximum housing temperature in the area of the generator handle - not more than 65°C.
Product shelf life and service life - 10 years from the date of manufacture.

Certificate of the Russian Federation.

Countries of export: Republic of Kazakhstan, Republic of Belarus, Slovak Republic

Diamond JSC
CPA n.a. V.I. Chapaev JSC







TN VED Code 5603 14 9000

Fire source isolation blanket

Heat shield Model 1.5 x 2.0 m

It is designed to be used as a primary means for extinguishing and localizing the combustion of solids (class A), flammable liquids (class B), equipment under a voltage of up to 1000 V (class E), localizing the combustion of single pyrotechnic products (flares), and as a personal protective equipment to protect human body during evacuation and/or self-rescuing from fire area.

Key performance parameters

Weight, kg, not more than 3.1 ± 0.04.
Class A fire extinguishing capacity, fire rank, at least 0.3 A.
Class B fire extinguishing capacity, fire rank, min:
- for one operator - 8;
- for two operators - 21.

Resistance to naked flame, s - at least 20.
Resistance to contact with hard surfaces heated to 400°C ± 5°C for, s, at least 15.
Resistance to heat flux of 5 kW/m^2, s - at least 120.
Operating temperature range, °C - from -50 to +50.

Service life - at least 10 years.

Certificate of the Russian Federation.

Diamond JSC
CPA n.a. V.I. Chapaev JSC







TN VED Code 8424 10 000 0

Air emulsion fire extinguisher (AEFE)

OVE-1(z)-ABCE-01, OVE-2(z)-ABCE, OVE-5(z)-ABCE, OVE-10(z)-ABCE

It is designed to extinguish fires.

Key performance parameters

Air-emulsion fire extinguisher filled with "BONTEL" fire extinguishing agent.
Fire extinguishers are available in volumes of 1; 2; 5 and 10 liters. Operating pressure - 12 bar.
Operating temperature from -20°C to 50°C.
It is designed to extinguish fire seats of A, B, C and E classes.
It is used as an emergency fire-fighting equipment in all public amenities, in transport vehicles and in everyday life.

Certificate of the Russian Federation.

EAEU Certificate.

Countries of export: Kingdom of Norway, Republic of Austria, Canada, Republic of Estonia.

NPO Peredovie techknologii LLC



TN VED Code 8424 10 000 0

Air emulsion fire extinguisher (AEFE)

MUPTV-2-GZh-BONTEL, MUPTV-2-GZh-Ex1-BONTEL, MUPTV-4-GZh-BONTEL, MUPTV-4-GZh-Ex1-BONTEL, MUPTV-6-GZh-BONTEL, MUPTV-6-GZh-Ex1-BONTEL, MUPTV-8-GZh-BONTEL, MUPTV-8-GZh-Ex1-BONTEL, MUPTV-12-GZh-BONTEL, MUPTV-12-GZh-Ex1-BONTEL, MUPTV-16-GZh-BONTEL, MUPTV-16-GZh-Ex1-BONTEL

It is designed to extinguish fires.

Key performance parameters

Suspended automatic fire extinguishing system.
The modular water spray extinguishing system (MWSES) is filled with the "BONTEL" fire extinguishing agent.
The systems are available in volumes of 2; 4; 6; 8; 12; 16 L.
Operating pressure - 14 bar.
Operating temperature from -20°C to +50°C.
The system is started independently, when the set temperature rises (57°C, 68°C, 79°C, 93°C, 141°C, 182°C) or automatically when a start pulse is received from the alarm warning system devices. It is used instead of sprinkler system in general and administrative facilities and common areas.
Extinguishing fires of A, B, C, E classes.

Certificate of the Russian Federation.

Countries of export: Kingdom of Norway, Republic of Austria, Canada, Republic of India, Federal Republic of Brazil.

SPA Peredovie tekhnologii LLC



TN VED Code 3813 00 000 0

"Bontel" fire extinguishing agent

Fire extinguishing spray

It is designed to extinguish fires.

Key performance parameters

Bontel fire extinguishing agent (spray) is a highly efficient agent to suppress fire in everyday life and in transport vehicles.
It is filled with the "BONTEL" FEA with a volume of 600 ml.
Operating pressure - 8 bar.

Certificate of the Russian Federation.

Countries of export: Republic of Austria, Kingdom of Norway.

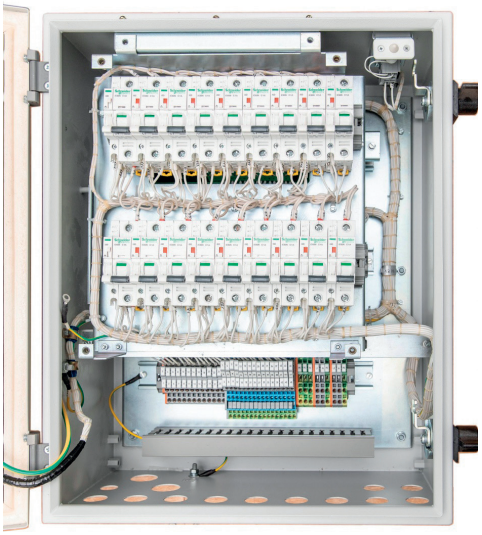
SPA Peredovie tekhnologii LLC



SECTION 7

FIRE ENGINES AND SPECIAL UNITS





Relay cabinet RC - WS AES

RC - WS AES - A / B - C / D – E eF5.287.007-YY.K, where:
A - number of one to six main pumps;
B - rated power of main pumps (6-53) kW;
C - number of booster pumps;
D - rated power of booster pumps (0.5-8) kW;
E - rated power of jockey pump (0.5-2) kW;
YY - version of the electrical circuit (assigned by the developer based on the cabinet designation);
K - availability of an integrated controller (if not available, the index is omitted).

It is designed to monitor the state of power supply circuits of the WS AES pumping stations and their commutation under the control of an external device or using controls.

Key performance parameters

Number of connected main pumps - up to 6.
Power supply - 380 V.
Automatic transfer switch.
Power consumption - 0.3 kW.
Number of power inputs - 2.
Switching power - up to 400 kW.
Service life - at least 50 years.
Design-assembled product (according to order sheets).

Planned for export.

TENZOR JSC

ATs-3.2-50 (43253) water tender

The ATs-3.2-50/4 water tender on the KAMAZ-43253 road chassis.
The rear compartment contains a pump with a normal pressure stage capacity of 50 l/s and a head of up to 100 m; with a high-pressure stage capacity of 4.2 l/s and a head of up to 400 m, and the installed electronic foaming agent proportioner. It ensures effective delivery of personnel amounting to 6 people, water supply of 3200 liters, foaming agent (a tank with a capacity of 300 liters) and fire-fighting equipment for extinguishing both with water and air-filled foam to the fire scene.

Key performance parameters

Water tank volume - 3.2 m^3.
Foaming agent tank capacity - 300 L.

Fire water pump - Johstadt TO 3000, combined, with (electric) high pressure reel and a 60 m long hose, and a multipurpose high pressure nozzle.
Pump capacity - 50 l/s.
Appliance crew cabin - twin, modular type for 6 people/ appliance crew (2 seats in the vehicle cab + 4 seats in the module).
Base chassis - KamAZ-43253.
Chassis configuration - 4 x 2.
Engine - CUMMINS, diesel, not less than 180 kW.
Overall dimensions (L x W x H), mm - 8000 x 2500 x 3200.
Gross vehicle weight, kg - 14,725.

Certificate of the Russian Federation.

Countries of export: South-Eastern Europe

Prioritet LTD



TN VED Code 8705 30 000 1

Fire engines (APT, AP, AKT, ANR, APP)

They are designed to extinguish various seats of fire.

Key performance parameters

The vehicles have excellent off-road credentials and can be used with equal efficiency in any road conditions. The vehicles can deliver a large amount of extinguishing agents (water, foam, powder).

Certificate of the Russian Federation.

Countries of export: United Arab Emirates, Republic of Kazakhstan.

FTP Spetsavtotekhnika LLC



AKT-3.0_2500-70_20 (65111)



ANR-100-3000 (65111)

TN VED Code 8705 30 000 1

NATISK water tenders and fast response vehicles

They are designed to extinguish various seats of fire.

Key performance parameters

Vehicles equipped with the NATISK system deliver extinguishing agents along a vertical pressure line to a height of up to 250 m.
Extinguishing agent effective range - up to 30 m, through hand nozzles.
Operation at temperatures of from +50°C to -50°C.

Certificate of the Russian Federation.

Countries of export: United Arab Emirates, Republic of Kazakhstan.

FTP Spetsavtotekhnika LLC



APP-0.3-2.0 NATISK (27057)



APP-0.3-2.0-NATISK (3909)



ATs-SPK-3.0-40 (5557)



ATs-SPK-5.0-40 (43118)

TN VED Code 8705 30 000 1

ATs3.2-40/4 water tender on the MAN TGM 13.290 4x4 chassis

013-MS

It is intended for delivery personnel, fire extinguishing agents, fire-fighting equipment and rescue instruments to the fire scene.

Key performance parameters

Engine power - 290 hp (213 kW).
Appliance crew seating capacity - 6.
Water tank capacity - 3200/4000 L.
Foam tank capacity - 200 L.
Fire water pump NH30/NH35.
Pump capacity - 47.7 l/s at 10 atm,
when the high pressure stage is in operation - 4.2 l/s at 40 atm.
Gross weight - 15,500 kg.

Certificate of the Russian Federation.

Countries of export: Republic of Tunisia, Republic of Cameroon, Republic of Serbia, Hashemite Kingdom of Jordan.

PA Fire-Fighting Special Technics JSC



TN VED Code 8705 30



ATs6.0-70/4 water tender on the MAN TGM 18.290 4x4 chassis

012-MS

It is intended for delivery personnel, fire extinguishing agents, fire-fighting equipment and rescue instruments to the fire scene.

Key performance parameters

Engine power - 290 hp (213 kW).
Appliance crew seating capacity - 6.
Water tank capacity - 6000 L.
Foam tank capacity - 400 L.
Fire water pump NH55.
Pump capacity - 70 l/s at 10 atm,
when the high pressure stage is in operation - 6.7 l/s at 40 atm.
Gross weight - 18,000 kg.

Certificate of the Russian Federation.

Countries of export: Republic of Serbia.

PA Fire-Fighting Special Technics JSC



TN VED Code 8705 30



Emergency rescue tender ASA 20 – 0.8 – 0.6 MAN TGM 13.290

It is designed for delivery to the emergency area of appliance crews, fire-fighting equipment, fire extinguishing agents, special equipment and tools, communication facilities, lighting and personnel protection equipment, necessary to carry out actions to extinguish individual fires, search for people and provide them with first aid, and also to assess the situation and transmit time-sensitive information to the emergency response headquarters.

Key performance parameters

Engine power - 290 hp (213 kW).
Chassis brand - MAN TGM 13.290.
Chassis configuration - 4 x 4.
Appliance crew seating capacity (including driver) - 6 people.
Water tank volume - 0.8 m^3.
Foaming agent tank capacity - 0.1 m^3.
Engine power - 290 hp.
Generator - (BL) 30/15 - 24 kW.
Pump - UHPS.
Pump capacity 0/6 at 0/1 MPa.
Gross weight - 13,100 kg.
Overall dimensions - 8185 x 2500 x 3300 mm.

PA Fire-Fighting Special Technics JSC



TN VED Code 8705 30



"Purga-60" combined fire extinguishing system

Mobile version on trailer with manual and remote radio control

It is designed to obtain low- and medium expansion air-filled foam with increased effective jet range. It can be used to extinguish fires of flammable and combustible liquids, solid combustible materials, and to create light and thermal protection shields in areas of accidents, disasters, natural disasters, for degassing and decontamination, masking civilian and military facilities, as well as during the process of explosion and fire prevention at LHG and LNG facilities.

Key performance parameters

Water (foaming agent solution) throughput: 60 l/s.
Medium expansion foam throughput: 144,000 l/min.
Effective range of medium expansion foam jet: 45-50 m.
Inlet pressure: 0.8 MPa.
Foam expansion ratio: 30-40.
Foaming agent flow rate: 3.6 l/s.

Certificate of the Russian Federation.

Countries of export: Republic of Belarus, Republic of Kazakhstan, Ukraine, Republic of Uzbekistan, People's Republic of China, Republic of Poland, Republic of Latvia, Republic of Lithuania, Republic of Estonia, Republic of Cuba, Republic of India, Kingdom of Norway, Republic of Azerbaijan, Georgia, Republic of Chile.

SPA SOPOT LLC



TN VED Code 8424 89 000 9

"Purga-80" combined fire extinguishing system

Mobile version on trailer with manual and remote radio control

It is designed to obtain low- and medium expansion air-filled foam with increased effective jet range. It can be used to extinguish fires of flammable and combustible liquids, solid combustible materials, and to create light and thermal protection shields in areas of accidents, disasters, natural disasters, for degassing and decontamination, masking civilian and military facilities, as well as during the process of explosion and fire prevention at LHG and LNG facilities.

Key performance parameters

Water (foaming agent solution) throughput: 80 l/s.
Medium expansion foam throughput: 144,000 l/min.
Effective range of medium expansion foam jet: 70 m.
Inlet pressure: 0.8 MPa.
Foam expansion ratio: 30.
Foaming agent flow rate: 4.8 l/s.

Certificate of the Russian Federation.

Countries of export: Republic of Belarus, Republic of Kazakhstan, Ukraine, Republic of Uzbekistan, People's Republic of China, Republic of Poland, Republic of Latvia, Republic of Lithuania, Republic of Estonia, Republic of Cuba, Republic of India, Kingdom of Norway, Republic of Azerbaijan, Georgia, Republic of Chile.

SPA SOPOT LLC



TN VED Code 8424 89 000 9

"Purga-90" combined fire extinguishing system

Mobile version on trailer with manual control

It is designed to obtain low- and medium expansion air-filled foam with increased effective jet range. It can be used to extinguish fires of flammable and combustible liquids, solid combustible materials, and to create light and thermal protection shields in areas of accidents, disasters, natural disasters, for degassing and decontamination, masking civilian and military facilities, as well as during the process of explosion and fire prevention at LHG and LNG facilities.

Key performance parameters

Water (foaming agent solution) throughput: 90 l/s.
Medium expansion foam throughput: 162,000 l/min.
Effective range of medium expansion foam jet: 75-80 m.
Inlet pressure: 0.8 MPa.
Foam expansion ratio: 30.
Foaming agent flow rate: 5.4 l/s.

Certificate of the Russian Federation.

Countries of export: Republic of Belarus, Republic of Kazakhstan, Ukraine, Republic of Uzbekistan, People's Republic of China, Republic of Poland, Republic of Latvia, Republic of Lithuania, Republic of Estonia, Republic of Cuba, Republic of India, Kingdom of Norway, Republic of Azerbaijan, Georgia, Republic of Chile.

SPA SOPOT LLC



TN VED Code 8424 89 000 9

"Purga-100" combined fire extinguishing system

Mobile version on trailer with remote radio control

It is designed to obtain low- and medium expansion air-filled foam with increased effective jet range. It can be used to extinguish fires of flammable and combustible liquids, solid combustible materials, and to create light and thermal protection shields in areas of accidents, disasters, natural disasters, for degassing and decontamination, masking civilian and military facilities, as well as during the process of explosion and fire prevention at LHG and LNG facilities.

Key performance parameters

Water (foaming agent solution) throughput: 100 l/s.
Medium expansion foam throughput: 180,000 l/min.
Effective range of medium expansion foam jet: 85-90 m.
Inlet pressure: 1.0-1.2 MPa.
Foam expansion ratio: 30.
Foaming agent flow rate: 6 l/s.

Certificate of the Russian Federation.

Countries of export: Republic of Belarus, Republic of Kazakhstan, Ukraine, Republic of Uzbekistan, People's Republic of China, Republic of Poland, Republic of Latvia, Republic of Lithuania, Republic of Estonia, Republic of Cuba, Republic of India, Kingdom of Norway, Republic of Azerbaijan, Georgia, Republic of Chile.

SPA SOPOT LLC



TN VED Code 8424 89 000 9

"Purga-250" combined fire extinguishing system

Remotely controlled trailer-mounted mobile version

It is designed to obtain low- and medium expansion air-filled foam with increased effective jet range. It can be used to extinguish fires of flammable and combustible liquids, solid combustible materials, and to create light and thermal protection shields in areas of accidents, disasters, natural disasters, for degassing and decontamination, masking civilian and military facilities, as well as during the process of explosion and fire prevention at LHG and LNG facilities.

Key performance parameters

Water (foaming agent solution) throughput: 250 l/s.
Medium expansion foam throughput: 360,000 l/min.
Effective range of medium expansion foam jet:
120 m.
Inlet pressure: 1.0-1.2 MPa.
Foam expansion ratio: 25 ± 5.
Foaming agent flow rate: 15 l/s.

Certificate of the Russian Federation.

Countries of export: Republic of Belarus, Republic of Kazakhstan, Ukraine, Republic of Uzbekistan, People's Republic of China, Republic of Poland, Republic of Latvia, Republic of Lithuania, Republic of Estonia, Republic of Cuba, Republic of India, Kingdom of Norway, Republic of Azerbaijan, Georgia, Republic of Chile.

SPA SOPOT LLC



TN VED Code 8424 89 000 9

Foam tower

PPP 32-80(53228)

It is designed to extinguish storage vessels.

Key performance parameters

Boom - 32 m.
Foam tank - 2000 L.
Pump - 80 l/s.

Certificate of the Russian Federation.

Countries of export: Republic of Cuba.

TsENPiST LLC



TN VED Code 8705 30 000 1



Pump and hose car

ANR 100-3000(6522)

It is designed to deliver fire hoses and to supply water.

Key performance parameters

150 pcs with hose diameter of 150 mm.
Pump - 100 l/s.

Chassis (E-4)	KamAZ - 6522
Chassis configuration	6 x 6
Engine power, kW (hp)	292 (400)
Maximum velocity, km/h	80
Least turning radius, max, m	11.5
Appliance crew seating capacity, including driver	3
Overall dimensions, mm	9100 x 2500 x 3500
Fire water pump	NTsPN 100/100MT

Pump capacity, min, l/s	100
Nominal pump nozzle head, mm WG	100
Nominal power consumption, max, kW (hp)	185 (250)
Maximum net positive suction head, m	7.5
Pump water filling system	vacuum with el. drive
Time to fill the pump with water from the maximum net positive suction head, max, s	60
Fire hose folding hydraulic rotator	RPG-2500

Certificate of the Russian Federation.

Countries of export: Republic of Cuba.

TsENPiST LLC





TN VED Code 8705 30 000 1



TN VED Code 8413 70 810 0

"Geyzer" motorized fire pump

MP-20/100

It is designed to supply water and aqueous solutions of foaming agents at temperatures of up to +300°C with a pH value of 7 to 10.5 and a density of up to 1100 kg/m^3, a mass concentration of solid particles of up to 0.5% with a maximum size of 3 mm when extinguishing fires.

Key performance parameters

Supply rate - 20 l/s.
Head - 100 m.
Dry weight - 215 kg.

Certificate of the Russian Federation.

Countries of export: Republic of Kazakhstan, Republic of Singapore, People's Republic of China, Turkmenistan.

Kalancha LLC



TN VED Code 8413 70 810 0

"Geyzer" motorized fire pump

MP-40/100

It is designed to supply water and aqueous solutions of foaming agents at temperatures of up to +300°C with a pH value of 7 to 10.5 and a density of up to 1100 kg/m^3, a mass concentration of solid particles of up to 0.5% with a maximum size of 3 mm when extinguishing fires.

Key performance parameters

Supply rate - 40 l/s.
Head - 100 m.
Dry weight - 450 kg.

Certificate of the Russian Federation.

Kalancha LLC



TN VED Code 8413 70 810 0

"Geyzer" motorized fire pump

MP-10/70 gasoline version

It is designed to supply water and aqueous solutions of foaming agents at temperatures of up to +300°C with a pH value of 7 to 10.5 and a density of up to 1100 kg/m^3, a mass concentration of solid particles of up to 0.5% with a maximum size of 3 mm when extinguishing fires.

Key performance parameters

Supply rate - 10 l/s.
Head - 70 m.
Dry weight - 105 kg.

Certificate of the Russian Federation.

Kalancha LLC



"Geyzer" motorized fire pump

MP-10/70 D.01 Diesel version for sea water

It is designed to supply water and aqueous solutions of foaming agents at temperatures of up to +300°C with a pH value of 7 to 10.5 and a density of up to 1100 kg/m^3, a mass concentration of solid particles of up to 0.5% with a maximum size of 3 mm when extinguishing fires.

Key performance parameters

Supply rate - 10 l/s.
Head - 70 m.
Dry weight - 118 kg.

Certificate of the Russian Federation.

Kalancha LLC

TN VED Code 8413 70 810 0



"Geyzer" motorized fire pump

MP-10/70 Diesel version

It is designed to supply water and aqueous solutions of foaming agents at temperatures of up to +300°C with a pH value of 7 to 10.5 and a density of up to 1100 kg/m^3, a mass concentration of solid particles of up to 0.5% with a maximum size of 3 mm when extinguishing fires.

Key performance parameters

Supply rate - 10 l/s.
Head - 70 m.
Dry weight - 118 kg.

Certificate of the Russian Federation.

Kalancha LLC

TN VED Code 8413 70 810 0

Fire control unit

ASh-7 GAZ-2705

It is designed to deliver command personnel, as well as supplementary special fire equipment and to increase the command center performance efficiency.

Key performance parameters

Chassis configuration - 4 x 2.
Appliance crew seating capacity - 7.

Certificate of the Russian Federation.

Countries of export: Republic of Kazakhstan.

VzPPSO JSC



TN VED Code 8705 30 000 1

Emergency response vehicle

ABR-2.0-40 Gazon Next

It is designed to deliver appliance crew, emergency and rescue, fire-fighting and other equipment to the fire and accident scene.

Key performance parameters

Chassis configuration - 4 x 2.
Appliance crew seating capacity - 5 + 1.
Water capacity - 2.0 m^3.
Foaming agent capacity - 0.15 m^3.
Fire water pump - NTsPK - 4/400.

Certificate of the Russian Federation.

Countries of export: Republic of Kazakhstan.

VzPPSO JSC



TN VED Code 8705 30 000 1

Water tender

ATs-2.5-40 GAZ-33086

It is intended for extinguishing fires in populated localities, at industrial enterprises, in rural areas and other facilities, and is used to deliver appliance crew, fire-fighting equipment and a capacity of fire extinguishing agents to the fire scene.

Key performance parameters

Chassis configuration - 4 x 2.
Appliance crew seating capacity - 5.
Water capacity - 2.5 m^3.
Foaming agent capacity - 0.18 m^3.
Fire water pump - NTsP - 40/100.

Certificate of the Russian Federation.

Countries of export: Republic of Kazakhstan.

VzPPSO JSC



TN VED Code 8705 30 000 1

Water tender

ATs-3.0-40 Ural-43206

It is intended for extinguishing fires in populated localities, at industrial enterprises, in rural areas and other facilities, and is used to deliver appliance crew, fire-fighting equipment and a capacity of fire extinguishing agents to the fire scene.

Key performance parameters

Chassis configuration - 4 x 4.
Appliance crew seating capacity - 6.
Water capacity - 3.0 m^3.
Foaming agent capacity - 0.18 m^3.
Fire water pump - NTsP - 40/100.

Certificate of the Russian Federation.

Countries of export: Republic of Kazakhstan.

VzPPSO JSC



TN VED Code 8705 30 000 1

Water tender

ATs-6.0-40 Ural-5557

It is intended for extinguishing fires in populated localities, at industrial enterprises, in rural areas and other facilities, and is used to deliver appliance crew, fire-fighting equipment and a capacity of fire extinguishing agents to the fire scene.

Key performance parameters

Chassis configuration - 6 x 6.
Appliance crew seating capacity - 6.
Water capacity - 6.0 m^3.
Foaming agent capacity - 0.5 m^3.
Fire water pump - NTsP - 40/100.

Certificate of the Russian Federation.

Countries of export: Republic of Kazakhstan.

VzPPSO JSC



TN VED Code 8705 30 000 1

Water tender

ATs-9.0-40 Ural-4320

It is intended for extinguishing fires in populated localities, at industrial enterprises, in rural areas and other facilities, and is used to deliver appliance crew, fire-fighting equipment and a capacity of fire extinguishing agents to the fire scene.

Key performance parameters

Chassis configuration - 6 x 6.
Appliance crew seating capacity - 6.
Water capacity - 9.0 m^3.
Foaming agent capacity - 0.5 m^3.
Fire water pump - NTsP - 40/100.

Certificate of the Russian Federation.

Countries of export: Republic of Kazakhstan.

VzPPSO JSC



TN VED Code 8705 30 000 1

Water tender

ATs-3.0-40 Kamaz-43502

It is intended for extinguishing fires in populated localities, at industrial enterprises, in rural areas and other facilities, and is used to deliver appliance crew, fire-fighting equipment and a capacity of fire extinguishing agents to the fire scene.

Key performance parameters

Chassis configuration - 4 x 4.
Appliance crew seating capacity - 6.
Water capacity - 3.0 m^3.
Foaming agent capacity - 0.18 m^3.
Fire water pump - NTsP - 40/100.

Certificate of the Russian Federation.

Countries of export: Republic of Kazakhstan.

VzPPSO JSC



TN VED Code 8705 30 000 1

Water tender

ATs-5.0-40 Kamaz-43253

It is intended for extinguishing fires in populated localities, at industrial enterprises, in rural areas and other facilities, and is used to deliver appliance crew, fire-fighting equipment and a capacity of fire extinguishing agents to the fire scene.

Key performance parameters

Chassis configuration - 4 x 2.
Appliance crew seating capacity - 6.
Water capacity - 5.0 m^3.
Foaming agent capacity - 0.42 m^3.
Fire water pump - NTsP - 40/100.

Certificate of the Russian Federation.

Countries of export: Republic of Kazakhstan.

VzPPSO JSC



TN VED Code 8705 30 000 1

Water tender

ATs-6.0-40 Kamaz-43118

It is intended for extinguishing fires in populated localities, at industrial enterprises, in rural areas and other facilities, and is used to deliver appliance crew, fire-fighting equipment and a capacity of fire extinguishing agents to the fire scene.

Key performance parameters

Chassis configuration - 6 x 6.
Appliance crew seating capacity - 3.
Water capacity - 6.0 m^3.
Foaming agent capacity - 0.5 m^3.
Fire water pump - NTsP - 40/100.

Certificate of the Russian Federation.

Countries of export: Republic of Kazakhstan.

VzPPSO JSC



TN VED Code 8705 30 000 1

Airport crash tender

AA-8.5-60-70 Kamaz 43118

It is designed to extinguish hot spots in helicopters or airplanes, at airports surrounding facilities, and to evacuate crew and passengers from aircraft crash sites.

Key performance parameters

Chassis configuration - 6 x 6.
Appliance crew seating capacity - 6.
Water capacity - 8.5 m^3.
Foaming agent capacity - 0.5 m^3.
Fire water pump - NTsP-60-70/100.

Certificate of the Russian Federation.

Countries of export: Republic of Kazakhstan.

VzPPSO JSC



TN VED Code 8705 30 000 1

Airport crash tender

AA-9.0-60 Kamaz 65222

It is designed to extinguish hot spots in helicopters or airplanes, at airports surrounding facilities, and to evacuate crew and passengers from aircraft crash sites.

Key performance parameters

Chassis configuration - 6 x 6.
Appliance crew seating capacity - 6.
Water capacity - 9.0 m^3.
Foaming agent capacity - 1.0 m^3.
Fire water pump - johstadt NP6000S.

Certificate of the Russian Federation.

Countries of export: Republic of Kazakhstan.

VzPPSO JSC



TN VED Code 8705 30 000 1

Airport crash tender

AA-12.0-70 Kamaz 63501

It is designed to extinguish hot spots in helicopters or airplanes, at airports surrounding facilities, and to evacuate crew and passengers from aircraft crash sites.

Key performance parameters

Chassis configuration - 8 x 8.
Appliance crew seating capacity - 5.
Water capacity - 11.2 m^3.
Foaming agent capacity - 0.8 m^3.
Fire water pump - NTsPN - 70/100.

Certificate of the Russian Federation.

Countries of export: Republic of Kazakhstan.

VzPPSO JSC



TN VED Code 8705 30 000 1

Hose car

AR-2 Kamaz-43118

It is designed to deliver personnel and necessary fire fighting equipment to the fire scene, to lay hose supply lines over considerable distances, which ensure participation of units equipped with hoses of different diameters in fire extinguishing operations. The hose car is equipped with special devices to ensure prompt removal of hoses.

Key performance parameters

Chassis configuration - 6 x 6.
Appliance crew seating capacity - 3.
Number of hoses:
- diameter 150 mm, m/pc - 800/40;
- diameter 77 mm, m/pc - 1200/60;

Certificate of the Russian Federation.

Countries of export: Republic of Kazakhstan.

VzPPSO JSC



TN VED Code 8705 30 000 1

Hose car

AR-2 Ural-5557

It is designed to deliver personnel and necessary fire fighting equipment to the fire scene, to lay hose supply lines over considerable distances, which ensure participation of units equipped with hoses of different diameters in fire extinguishing operations. The hose car is equipped with special devices to ensure prompt removal of hoses.

Key performance parameters

Chassis configuration - 6 x 6.
Appliance crew seating capacity - 3.
Number of hoses:
- diameter 150 mm, m/pc - 800/40;
- diameter 77 mm, m/pc - 1200/60;

Certificate of the Russian Federation.

Countries of export: Republic of Kazakhstan.

VzPPSO JSC



TN VED Code 8705 30 000 1

Fire pump truck

PNS-100 Kamaz-43118

It is designed to take water from open reservoirs over impressive distances through metal pipelines or hose supply lines. The FPT also provides water for motor fire engines, water tenders, fire monitors and any equipment that is used to extinguish three-dimensional fires.

Key performance parameters

Chassis configuration - 6 x 6.
Appliance crew seating capacity - 3.
Pump - NTsPN–100/100.
Pump drive motor - YaMZ-238B14(300).

Certificate of the Russian Federation.

Countries of export: Republic of Kazakhstan.

VzPPSO JSC



TN VED Code 8705 30 000 1

Fire pump truck

PNS-100 Ural-5557

It is designed to take water from open reservoirs over impressive distances through metal pipelines or hose supply lines. The FPT also provides water for motor fire engines, water tenders, fire monitors and any equipment that is used to extinguish three-dimensional fires.

Key performance parameters

Chassis configuration - 6 x 6.
Appliance crew seating capacity - 3.
Pump - NTsPN–100/100.
Pump drive motor - YaMZ-238B14(300).

Certificate of the Russian Federation.

Countries of export: Republic of Kazakhstan.

VzPPSO JSC



TN VED Code 8705 30 000 1

Smoke extraction vehicle

AD-120 Kamaz-43502

It is intended for delivery of foaming agent, firefighting equipment and appliance crew to the fire scene, and for removing smoke from elevator shafts and staircases of multi-storey buildings. Its operating principle consists in injecting air into the lower parts of the building and further releasing smoke from basement-type rooms suctioning it, and creating a special foam (air-filled) with high expansion rates.

Key performance parameters

Chassis configuration - 4 x 4.
Appliance crew seating capacity - 3.
Smoke removal ventilation unit, m^3/h - 120,000.
Portable smoke exhauster, m^3/h - 15,000.
Electric generator - 15 kW.

Certificate of the Russian Federation.

Countries of export: Republic of Kazakhstan.

VzPPSO JSC



TN VED Code 8705 30 000 1

Water tender

ATs-1.6-40 GAZ-33088

It is intended for extinguishing fires in populated localities, at industrial enterprises, in rural areas and other facilities, and is used to deliver appliance crew, fire-fighting equipment and a capacity of fire extinguishing agents to the fire scene.

Key performance parameters

Chassis configuration - 4 x 4.
Appliance crew seating capacity - 5.
Water capacity - 1.6 m^3.
Foaming agent capacity - 0.18 m^3.
Fire water pump - NTsP-40/NH35.

Certificate of the Russian Federation.

Countries of export: Republic of Belarus.

VzPPSO JSC



TN VED Code 8705 30 000 1

Water tender

ATs-3.0-40 GAZ-33086

It is intended for extinguishing fires in populated localities, at industrial enterprises, in rural areas and other facilities, and is used to deliver appliance crew, fire-fighting equipment and a capacity of fire extinguishing agents to the fire scene.

Key performance parameters

Chassis configuration - 4 x 4.
Appliance crew seating capacity - 2.
Water capacity - 3.0 m^3.
Foaming agent capacity - 0.18 m^3.
Fire water pump - NTsP-40/NH35.

Certificate of the Russian Federation.

Countries of export: Kyrgyz Republic.

VzPPSO JSC



TN VED Code 8705 30 000 1

Water tender

ATs-5.0-40 Kamaz-43253

It is intended for extinguishing fires in populated localities, at industrial enterprises, in rural areas and other facilities, and is used to deliver appliance crew, fire-fighting equipment and a capacity of fire extinguishing agents to the fire scene.

Key performance parameters

Chassis configuration - 4 x 2.
Appliance crew seating capacity - 6.
Water capacity - 5.0 m^3.
Foaming agent capacity - 0.42 m^3.
Fire water pump - NTsP-40/NH35.

Certificate of the Russian Federation.

Countries of export: Socialist Republic of Vietnam.

VzPPSO JSC



TN VED Code 8705 30 000 1

Water tender

ATs-8.0-40 Kamaz-65115

It is intended for extinguishing fires in populated localities, at industrial enterprises, in rural areas and other facilities, and is used to deliver appliance crew, fire-fighting equipment and a capacity of fire extinguishing agents to the fire scene.

Key performance parameters

Chassis configuration - 6 x 4.
Appliance crew seating capacity - 6.
Water capacity - 8.0 m^3.
Foaming agent capacity - 0.5 m^3.
Fire water pump - NTsP - 40/100.

Certificate of the Russian Federation.

Countries of export: Republic of Azerbaijan.

VzPPSO JSC



TN VED Code 8705 30 000 1

Water tender

ATs-5.0-40 MAN-TGM

It is intended for extinguishing fires in populated localities, at industrial enterprises, in rural areas and other facilities, and is used to deliver appliance crew, fire-fighting equipment and a capacity of fire extinguishing agents to the fire scene.

Key performance parameters

Chassis configuration - 4 x 4.
Appliance crew seating capacity - 6.
Water capacity - 5.0 m^3.
Foaming agent capacity - 0.5 m^3.
Fire water pump - NTsP-40/NH35.

Certificate of the Russian Federation.

Countries of export: Republic of Uzbekistan.

VzPPSO JSC



TN VED Code 8705 30 000 1

Fire water tender

ATs 8.0-40 (43118)

It is designed to deliver appliance crew, fire-fighting equipment, water supply and foaming agent to the fire scene. It is used as a self-contained fire-fighting unit or as a pumping unit being operated in "pumping" mode jointly with one or more water tenders when extinguishing fires with water, air-filled foam.

Key performance parameters

Water tank capacity - 8000 L.
Foaming agent tank capacity - 480 L.
Centrifugal fire pump NTsPN-40/100.
Monitor LS-S40U.
Appliance crew - 6-7 people.

Certificate of the Russian Federation.

Countries of export: Republic of Azerbaijan, Socialist Republic of Vietnam, Republic of Kazakhstan, Mongolia, Islamic Republic of Afghanistan, Turkmenistan.

UralPOZHTEKHNIKA JSC



TN VED Code 8705 30 000 1

Fire water tender

ATs 5.0-70 (43118)

It is designed to deliver appliance crew, fire-fighting equipment, water supply and foaming agent to the fire scene. It is used as a self-contained fire-fighting unit or as a pumping unit being operated in "pumping" mode jointly with one or more water tenders when extinguishing fires with water, air-filled foam.

Key performance parameters

Water tank capacity - 5000 L.
Foaming agent tank capacity - 350 L.
Centrifugal fire pump NTsPN-70/100.
Monitor LS-S60U.
Appliance crew - 6-7 people.

Certificate of the Russian Federation.

Countries of export: Republic of Azerbaijan, Socialist Republic of Vietnam, Republic of Kazakhstan, Mongolia.

UralPOZHTEKHNIKA JSC



TN VED Code 8705 30 000 1

Fire water tender

ATs 6.0-40 (43118)

It is designed to deliver appliance crew, fire-fighting equipment, water supply and foaming agent to the fire scene. It is used as a self-contained fire-fighting unit or as a pumping unit being operated in "pumping" mode jointly with one or more water tenders when extinguishing fires with water, air-filled foam.

Key performance parameters

Water tank capacity - 6000 L.
Foaming agent tank capacity - 360 L.
Centrifugal fire pump NTsPN-40/100.
Monitor LS-S40U.
Appliance crew - 6-7 people.

Certificate of the Russian Federation.

Countries of export: Republic of Azerbaijan.

UralPOZHTEKHNIKA JSC



TN VED Code 8705 30 000 1

Fire water tender

ATs 8.0-40 (65115)

It is designed to deliver appliance crew, fire-fighting equipment, water supply and foaming agent to the fire scene. It is used as a self-contained fire-fighting unit or as a pumping unit being operated in "pumping" mode jointly with one or more water tenders when extinguishing fires with water, air-filled foam.

Key performance parameters

Water tank capacity - 8000 L.
Foaming agent tank capacity - 480 L.
Centrifugal fire pump NTsPN-40/100.
Monitor LS-S40U.
Appliance crew - 6-7 people.

Certificate of the Russian Federation.

Countries of export: Republic of Azerbaijan.

UralPOZHTEKHNIKA JSC



TN VED Code 8705 30 000 1

Airport crash tender

AA-8.0/(30-60) (43118)

It is designed to extinguish fires and carry out rescue operations in aircraft and ground facilities at airports.

Key performance parameters

Supply of delivered fire extinguishing agents - 8000 L.
Centrifugal fire pump.
Monitor LSD-S60U.
Bumper unit LSD-S20U.
Appliance crew - 6 people.
Carbon-dioxide fire extinguishing station.
Runway foam flooding station.

Certificate of the Russian Federation.

Countries of export: Republic of Azerbaijan, Georgia, Republic of Uzbekistan.

UralPOZHTEKHNIKA JSC



TN VED Code 8705 30 000 1

Airport crash tender

AA-9.0/(30-60) (65224)

It is designed to extinguish fires and carry out rescue operations in aircraft and ground facilities at airports.

Key performance parameters

Supply of delivered fire extinguishing agents - 9000 L.
Centrifugal fire pump.
Monitor LSD-S60U.
Bumper unit LSD-S20U.
Appliance crew - 6 people.
Carbon-dioxide fire extinguishing station.
Runway foam flooding station.

Certificate of the Russian Federation.

Countries of export: Republic of Angola, Republic of Kazakhstan.

UralPOZHTEKHNIKA JSC



TN VED Code 8705 30 000 1

Airport crash tender

AA-12/60 (63501)

It is designed to extinguish fires and carry out rescue operations in aircraft and ground facilities at airports.

Key performance parameters

Supply of delivered fire extinguishing agents - 12000 L.
Centrifugal fire pump.
Monitor LSD-S60U.
Bumper unit LSD-S20U.
Appliance crew - 6 people.
Carbon-dioxide fire extinguishing station.
Runway foam flooding station.

Certificate of the Russian Federation.

Countries of export: Republic of Kazakhstan, Republic of Uzbekistan.

UralPOZHTEKHNIKA JSC



TN VED Code 8705 30 000 1

Fire pumper truck

ANR 100-2.0 (43118)

It is designed to deliver appliance crew, fire-fighting equipment and the stock of delivery hoses to the fire scene. It is used for mechanized laying and removal of supply lines, and for extinguishing fires with water and air-filled foam.

Key performance parameters

Intake of extinguishing agents from a third-party container.
Centrifugal fire pump NtsPN-100/100.
Stock of delivery hoses ø 80 mm - 800 m,
ø 150 mm - 120 m.
Appliance crew - 3 people.

Certificate of the Russian Federation.

Countries of export: Republic of Azerbaijan, Socialist Republic of Vietnam, Republic of Kazakhstan, Mongolia, Islamic Republic of Afghanistan, Turkmenistan.

UralPOZHTEKHNIKA JSC



TN VED Code 8705 30 000 1

Emergency rescue vehicle

ASA-20 (43118)

It is designed to deliver appliance crew, special rescue tools, equipment, communication and lighting means to the fire and accident scene to carry out rescue operations using electromechanical tools and devices, to illuminate fire extinguishing and accident places, to developing building structures and to lift loads using crane.

Key performance parameters

Electric generator GS-250-20/4 (20 kW).
Hydraulic crane (30 kNm).
Handling radius - 6 m.
Appliance crew - 3 people.

Certificate of the Russian Federation.

Countries of export: Republic of Kazakhstan.

UralPOZHTEKHNIKA JSC



TN VED Code 8705 30 000 1

Normal pressure centrifugal fire pump

NTsPN-40/100

It is designed to be installed on all types of fire engines used to extinguish fires.

Key performance parameters

Rated supply - 40 l/s.
Rated head - 100 m.
Rated shaft speed - 2700 rpm.

The pump is available in various configurations, including those with automatic or manual filling and foam mixing systems, as well as with the CAFS system.

Certificate of the Russian Federation.

Countries of export: Mongolia, People's Republic of China, Republic of India, Republic of Indonesia, Arab Republic of Egypt, Syrian Arab Republic, Federal Democratic Republic of Ethiopia, Bolivarian Republic of Venezuela, United Republic of Tanzania, Islamic Republic of Iran, Republic of Iraq, Algerian People's Democratic Republic, Republic of Angola, State of Libya, Socialist Republic of Vietnam.

Pozhgidravlika JSC



TN VED Code 8413 70 510 0

Normal pressure centrifugal fire pump

NTsPN-50/100

It is designed to be installed on all types of fire engines used to extinguish fires.

Key performance parameters

Rated supply - 50 l/s.
Rated head - 100 m.
Rated shaft speed - 2700 rpm.

The pump is available in various configurations, including those with automatic or manual filling and foam mixing systems, as well as with the CAFS system.

Certificate of the Russian Federation.

Countries of export: Mongolia, People's Republic of China, Republic of India, Republic of Indonesia, Arab Republic of Egypt, Syrian Arab Republic, Federal Democratic Republic of Ethiopia, Bolivarian Republic of Venezuela, United Republic of Tanzania, Islamic Republic of Iran, Republic of Iraq, Algerian People's Democratic Republic, Republic of Angola, State of Libya, Socialist Republic of Vietnam.

Pozhgidravlika JSC



TN VED Code 8413 70 510 0

Normal pressure centrifugal fire pump

NTsPN-70/100

It is designed to be installed on all types of fire engines used to extinguish fires.

Key performance parameters

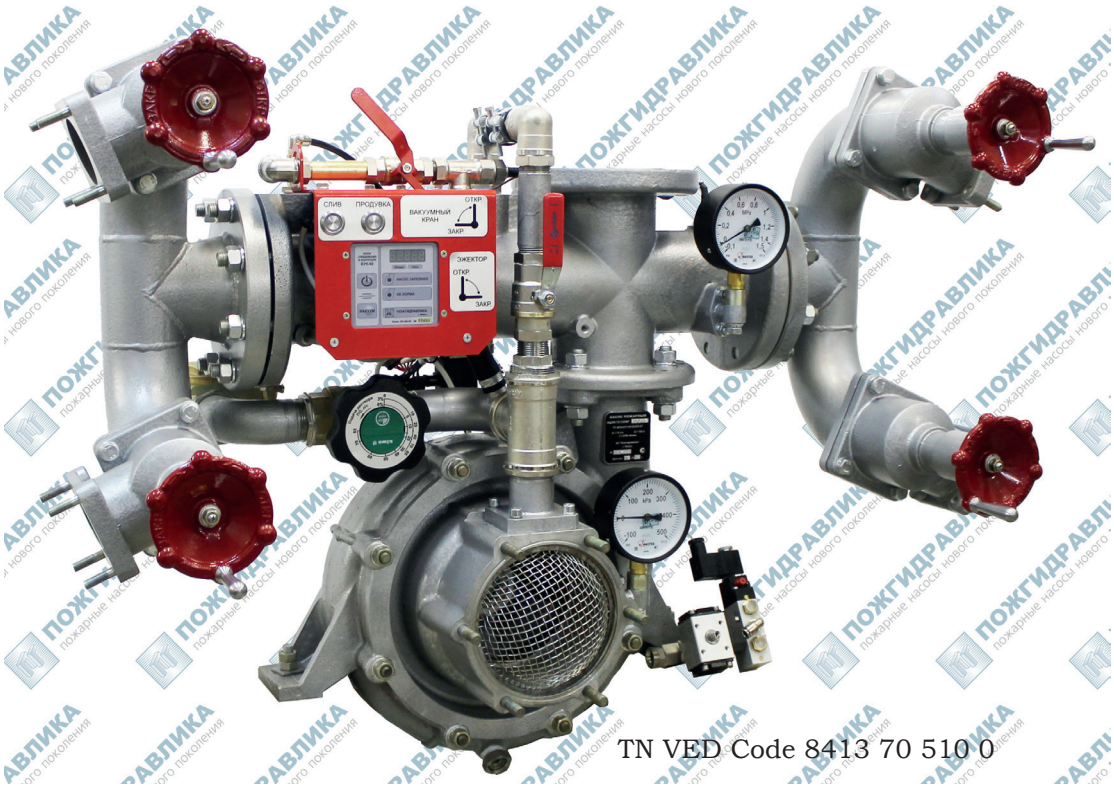
Rated supply - 70 l/s.
Rated head - 100 m.
Rated shaft speed - 2000 (2700) rpm.

The pump is available in various configurations, including those with automatic or manual filling and foam mixing systems, as well as with the CAFS system.

Certificate of the Russian Federation.

Countries of export: Mongolia, People's Republic of China, Republic of India, Republic of Indonesia, Arab Republic of Egypt, Syrian Arab Republic, Federal Democratic Republic of Ethiopia, Bolivarian Republic of Venezuela, United Republic of Tanzania, Islamic Republic of Iran, Republic of Iraq, Algerian People's Democratic Republic, Republic of Angola, State of Libya, Socialist Republic of Vietnam.

Pozhgidravlika JSC



TN VED Code 8413 70 510 0

Normal pressure centrifugal fire pump

NTsPN-100/100

It is designed to be installed on all types of fire engines used to extinguish fires.

Key performance parameters

Rated supply - 100 l/s.
Rated head - 100 m.
Rated shaft speed - 2000 rpm.

The pump is available in various configurations, including those with automatic or manual filling and foam mixing systems, as well as with the CAFS system.

Certificate of the Russian Federation.

Countries of export: Mongolia, People's Republic of China, Republic of India, Republic of Indonesia, Arab Republic of Egypt, Syrian Arab Republic, Federal Democratic Republic of Ethiopia, Bolivarian Republic of Venezuela, United Republic of Tanzania, Islamic Republic of Iran, Republic of Iraq, Algerian People's Democratic Republic, Republic of Angola, State of Libya, Socialist Republic of Vietnam.

Pozhgidravlika JSC



TN VED Code 8413 70 510 0

Normal pressure centrifugal fire pump

NTsPN-120/100

It is designed to be installed on all types of fire engines used to extinguish fires.

Key performance parameters

Rated supply - 120 l/s.
Rated head - 100 m.
Rated shaft speed - 2000 rpm.

The pump is available in various configurations, including those with automatic or manual filling and foam mixing systems, as well as with the CAFS system.

Certificate of the Russian Federation.

Countries of export: Mongolia, People's Republic of China, Republic of India, Republic of Indonesia, Arab Republic of Egypt, Syrian Arab Republic, Federal Democratic Republic of Ethiopia, Bolivarian Republic of Venezuela, United Republic of Tanzania, Islamic Republic of Iran, Republic of Iraq, Algerian People's Democratic Republic, Republic of Angola, State of Libya, Socialist Republic of Vietnam.

Pozhgidravlika JSC



TN VED Code 8413 70 510 0

Combined centrifugal fire pump

NTsPK-40/100-4/400

It is designed to be installed on all types of fire engines used to extinguish fires.

Key performance parameters

1) Rated supply - 40 l/s.
Rated head - 100 m.

2) Rated supply - 4 l/s.
Rated head - 400 m.
Rated shaft speed - 2700 rpm.

The pump is available in various configurations, including those with automatic or manual filling and foam mixing systems, as well as with the CAFS system.

Certificate of the Russian Federation.

Countries of export: Mongolia, People's Republic of China, Republic of India, Republic of Indonesia, Arab Republic of Egypt, Syrian Arab Republic, Federal Democratic Republic of Ethiopia, Bolivarian Republic of Venezuela, United Republic of Tanzania, Islamic Republic of Iran, Republic of Iraq, Algerian People's Democratic Republic, Republic of Angola, State of Libya, Socialist Republic of Vietnam.

Pozhgidravlika JSC



TN VED Code 8413 70 510 0

Combined centrifugal fire pump

NTsPK-50/100-4/400

It is designed to be installed on all types of fire engines used to extinguish fires.

Key performance parameters

1) Rated supply - 50 l/s.
Rated head - 100 m.

2) Rated supply - 4 l/s.
Rated head - 400 m.
Rated shaft speed - 2700 rpm.

The pump is available in various configurations, including those with automatic or manual filling and foam mixing systems, as well as with the CAFS system.

Certificate of the Russian Federation.

Countries of export: Mongolia, People's Republic of China, Republic of India, Republic of Indonesia, Arab Republic of Egypt, Syrian Arab Republic, Federal Democratic Republic of Ethiopia, Bolivarian Republic of Venezuela, United Republic of Tanzania, Islamic Republic of Iran, Republic of Iraq, Algerian People's Democratic Republic, Republic of Angola, State of Libya, Socialist Republic of Vietnam.

Pozhgidravlika JSC



TN VED Code 8413 70 510 0

Combined centrifugal fire pump

NTsPK-70/100-4/400

It is designed to be installed on all types of fire engines used to extinguish fires.

Key performance parameters

1) Rated supply - 70 l/s.
Rated head - 100 m.

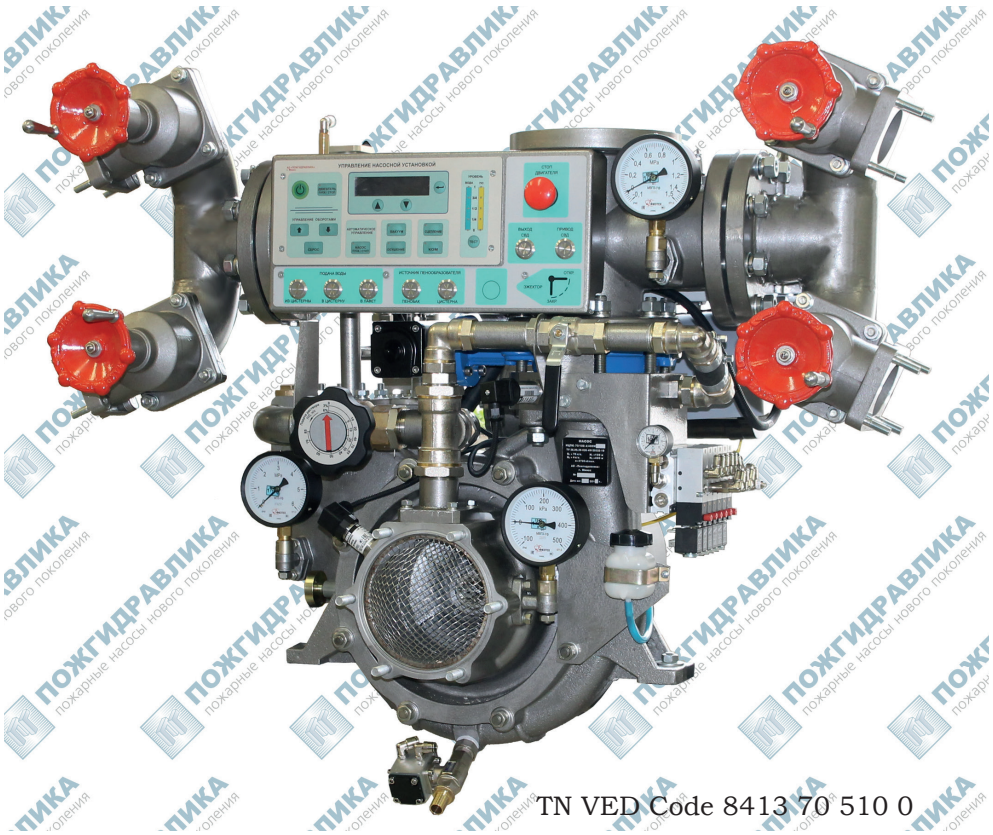
2) Rated supply - 4 l/s.
Rated head - 400 m.
Rated shaft speed - 2700 rpm.

The pump is available in various configurations, including those with automatic or manual filling and foam mixing systems, as well as with the CAFS system.

Certificate of the Russian Federation.

Countries of export: Mongolia, People's Republic of China, Republic of India, Republic of Indonesia, Arab Republic of Egypt, Syrian Arab Republic, Federal Democratic Republic of Ethiopia, Bolivarian Republic of Venezuela, United Republic of Tanzania, Islamic Republic of Iran, Republic of Iraq, Algerian People's Democratic Republic, Republic of Angola, State of Libya, Socialist Republic of Vietnam.

Pozhgidravlika JSC



TN VED Code 8413 70 510 0

Normal pressure hose reel

KRND-32/30

It is designed to transfer the flow of fire-extinguishing liquids from the pumping unit to the fire-fighting hand nozzle.

Key performance parameters

Delivery hose nominal bore - DN32.
Delivery hose length - 30 m.
Maximum operating pressure - 16 bar.

The reel is available in various versions, including those with manual or power driven drum.

It is not subject to mandatory certification.

Countries of export: Mongolia, People's Republic of China, Republic of India, Republic of Indonesia, Arab Republic of Egypt, Syrian Arab Republic, Federal Democratic Republic of Ethiopia, Bolivarian Republic of Venezuela, United Republic of Tanzania, Islamic Republic of Iran, Republic of Iraq, Algerian People's Democratic Republic, Republic of Angola, State of Libya, Socialist Republic of Vietnam.

Pozhgidravlika JSC



TN VED Code 8424 89 000 9

High pressure manual fire nozzle with hose reel

SRVDK-3/400-60

It is designed to equip fire engines complete with high-pressure pumps. The product is intended for generating and aiming solid or sprayed jets of water or low expansion air-filled foam.

Key performance parameters

Delivery hose nominal bore - DN25.
Delivery hose length - 60 m.
Maximum operating pressure - 50 bar.
Rated nozzle capacity - 3 l/s.

The reel is available in various versions, including those with manual or power driven drum.
The nozzle enables supplying continuous, spray and foam jets.

Certificate of the Russian Federation.

Countries of export: Mongolia, People's Republic of China, Republic of India, Republic of Indonesia, Arab Republic of Egypt, Syrian Arab Republic, Federal Democratic Republic of Ethiopia, Bolivarian Republic of Venezuela, United Republic of Tanzania, Islamic Republic of Iran, Republic of Iraq, Algerian People's Democratic Republic, Republic of Angola, State of Libya, Socialist Republic of Vietnam.

Pozhgidravlika JSC



TN VED Code 8424 89 000 9

High pressure manual fire nozzle with hose reel

SRVDK-2/400-60

It is designed to equip fire engines complete with high-pressure pumps. The product is intended for generating and aiming solid or sprayed jets of water or low expansion air-filled foam.

Key performance parameters

Delivery hose nominal bore - DN20.
Delivery hose length - 60 m.
Maximum operating pressure - 50 bar.
Rated nozzle capacity - 2 l/s.

The reel is available in various versions, including those with manual or power driven drum.
The nozzle enables supplying continuous, spray and foam jets.

Certificate of the Russian Federation.

Countries of export: Mongolia, People's Republic of China, Republic of India, Republic of Indonesia, Arab Republic of Egypt, Syrian Arab Republic, Federal Democratic Republic of Ethiopia, Bolivarian Republic of Venezuela, United Republic of Tanzania, Islamic Republic of Iran, Republic of Iraq, Algerian People's Democratic Republic, Republic of Angola, State of Libya, Socialist Republic of Vietnam.

Pozhgidravlika JSC



TN VED Code 8424 89 000 9



TN VED Code 8414 10 250 0

Self-contained vacuum filling system

AVS-01E

It is designed to be installed on pumping units for fire engines. It is used to fill pumps with water when it is taken from surface water bodies.

Key performance parameters

Maximum suction - at least 0.85 bar.
Supply voltage (DC) - 24 V (12 V).

The system has a built-in electric drive powered by rechargeable batteries for the base fire engine chassis.

Certificate of the Russian Federation.

Countries of export: Mongolia, People's Republic of China, Republic of India, Republic of Indonesia, Arab Republic of Egypt, Syrian Arab Republic, Federal Democratic Republic of Ethiopia, Bolivarian Republic of Venezuela, United Republic of Tanzania, Islamic Republic of Iran, Republic of Iraq, Algerian People's Democratic Republic, Republic of Angola, State of Libya, Socialist Republic of Vietnam.

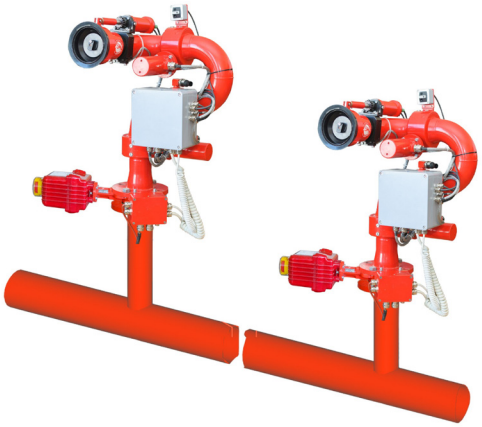
Pozhgidravlika JSC



SECTION 8

FIRE-FIGHTING ROBOTS





TN VED Code 8424 89 000 9

Robotic fire-fighting system RUP 4PR-LSD-S20(15.25)U based on fire monitors according to GOST R 51115-97, stationary, water and foam, multipurpose, with program (remote) control

RUP 4PR-LSD-S20(15.25)U

It is used to protect industrial and public buildings, high-span structures and outdoor facilities (hangars for airplanes and helicopters; industrial buildings; turbine halls of nuclear power plants and thermal power plants; warehouses, including the rack ones; timber yards; tank farms for oil products; fuel transfer railway terminals; berths and berthing systems; rail and road tunnels; deep-sea vessels, including tankers, dry-cargo vessels, container ships; offshore platforms, multipurpose building; buildings for sports and entertainment events; wooden architecture monuments).

Key performance parameters

Composition:
- 4 stationary fire robots (robotized monitors);
- control system;
- motor-operated lock and release devices.

Purpose:
- suppression or localization of fire;
- cooling down the roof framing of protected buildings and facilities located in the immediate vicinity of the fire seat.

Technical means for fire hazardous areas (installed at the protected facility):
- fire-fighting robot;
- IR-scanners;
- the DZE motor-operated butterfly valve;
- BP-2R-P power supply unit.

Technical controls (installed in the 24-hour duty room):
- ShK-USO facility resistance device cabinet;
- ShK-SK network controller cabinet;
- PDU-P panel connecting station;
- PDU-P remote control station;
- BK-16 switching unit for 16 inputs, 16 outputs.

Software SW.

Certificate of the Russian Federation.
EAEU Certificate.

Countries of export: Republic of Belarus.

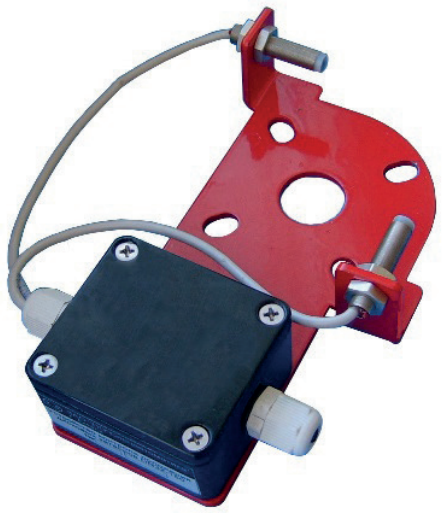
Engineering centre FR LLC



SECTION 9

FIRE-FIGHTING EQUIPMENT





TN VED Code 8531 10 300 0

BVPMD butterfly valve position monitoring device

BVPMD

It is designed to monitor the "Open" - "Closed" positions of the DN32-250 butterfly valves.

Key performance parameters

V1 - power supply 9-30 V, current consumption not more than 0.05 A.
V2 - for connection to industrial controllers; power supply 9-30 V, current consumption - not more than 0.05 A.
V3 - RS485 interface with MODBUS-RTU exchange protocol; power supply 9-30 V, current consumption - 20 mA, ADC input.

Certificate of the Russian Federation.
EAEU Certificate.
Certificate of the Republic of Kazakhstan.
Certificate of the Republic of Belarus.

Countries of export: Republic of Belarus, Republic of Uzbekistan, Kyrgyz Republic, Republic of Azerbaijan, Republic of Moldova, Mongolia.

PA Spetsavtomatika JSC



TN VED Code 9026 10 890 0

UKU-1 liquid level controller

It is designed to control the liquid level in control units, in tanks, storage tanks, decanters, etc.

Key performance parameters

The principle of operation of the device is based on changes in dielectric properties of the medium in the area of electrodes during flooding (or drying). Contact of the liquid with electrodes causes a change in the response of the electrical pulse signal at the device electronic module input, triggers the relay and changes the indicator state.

Certificate of the Russian Federation.
EAEU Certificate.
Certificate of the Republic of Kazakhstan.
Certificate of the Republic of Belarus.

Countries of export: Republic of Belarus, Republic of Uzbekistan, Kyrgyz Republic, Republic of Azerbaijan, Republic of Moldova, Mongolia.

PA Spetsavtomatika JSC



TN VED Code 8481 80 990 7

"Rosa" indoor fire extinguishing device

UVP 0.01/1.0-0.082 KSh 19-15.O4-"Rosa" (0.1/1.0 - minimum/maximum operating pressure; 0, 082 (0,060; 0,091) - efficiency factor; KSh - complete with ball valve; 19 - hose internal diameter; 15 - hose length, m; O - general climatic version; 4 - location category).

It is intended for use as an emergency means of extinguishing fires at an early stage, before the arrival of a special-purpose fire-fighting unit.

Key performance parameters

The UVP "ROSA" diffuser branch creates a finely dispersed phase of extinguishing water flow, which excludes damage to household goods, and allows extinguishing small sources of fire of combustible and flammable liquids.

Certificate of the Russian Federation.
EAEU Certificate.
Certificate of the Republic of Kazakhstan.
Certificate of the Republic of Belarus.

Countries of export: Republic of Belarus, Republic of Uzbekistan, Kyrgyz Republic, Republic of Azerbaijan, Republic of Moldova, Mongolia.

PA Spetsavtomatika JSC



AMK butterfly valve

Butterfly valve ZT50 (65, 80, 100, 125, 150, 200, 250)/1.6 (R)-F.U2-"AMK-50(65, 80, 100, 125, 150, 200, 250)

It is designed for use as a shut-off device in various industries in water supply systems, as well as on main pipelines.

Key performance parameters

The valve is equipped with a butterfly valve position monitoring device (BVPMD). The valve may not be equipped with the BVPMD on demand.
Leakage class: A.
Nominal pressure, MPa: 1.6.
Operating temperature, °C: from -15 to +75.
Control: manual.
Service life, years: 10.

Certificate of the Russian Federation.
EAEU Certificate.
Certificate of the Republic of Kazakhstan.
Certificate of the Republic of Belarus.

Countries of export: Republic of Belarus, Republic of Uzbekistan, Kyrgyz Republic, Republic of Azerbaijan, Republic of Moldova, Mongolia.

PA Spetsavtomatika JSC

"Purga-2" combined fire extinguishing system

Manual monitor complete with shut-off device

It is designed to obtain low- and medium expansion air-filled foam with increased effective jet range. It can be used to extinguish fires of flammable and combustible liquids, solid combustible materials, and to create light and thermal protection shields in areas of accidents, disasters, natural disasters, for degassing and decontamination, masking civilian and military facilities, as well as during the process of explosion and fire prevention at LHG and LNG facilities.

Key performance parameters

Water (foaming agent solution) throughput: 2 l/s.
Effective range of medium expansion foam jet: 15-17 m.
Inlet pressure: 0.8 MPa.
Foam expansion ratio: 70;
Foaming agent flow rate: 0.15 l/s.

Certificate of the Russian Federation.

Countries of export: Republic of Belarus, Republic of Kazakhstan, Ukraine, Republic of Uzbekistan, People's Republic of China, Republic of Poland, Republic of Latvia, Republic of Lithuania, Republic of Estonia, Republic of Cuba, Republic of India, Kingdom of Norway, Republic of Azerbaijan, Georgia, Republic of Chile.

SPA SOPOT LLC



TN VED Code 8424 89 000 9



TN VED Code 8424 89 000 9

"Purga-2" combined fire extinguishing system knapsack extinguishing unit

knapsack extinguishing unit complete with the "Purga-2" monitor

It is designed to obtain low- and medium expansion air-filled foam with increased range of stream. It can be used to extinguish fires of flammable and combustible liquids, solid combustible materials, and to create light and thermal protection shields in areas of accidents, disasters, natural disasters, for degassing and decontamination, masking civilian and military facilities, as well as during the process of explosion and fire prevention at LHG and LNG facilities.

Key performance parameters

Water (foaming agent solution) throughput: 2 l/s.
Effective range of medium expansion foam jet: 15-17 m.
Inlet pressure: 0.8 MPa.
Foam expansion ratio: 70.
Foaming agent flow rate: 0.15 l/s.

Certificate of the Russian Federation.

Countries of export: Republic of Belarus, Republic of Kazakhstan, Ukraine, Republic of Uzbekistan, People's Republic of China, Republic of Poland, Republic of Latvia, Republic of Lithuania, Republic of Estonia, Republic of Cuba, Republic of India, Kingdom of Norway, Republic of Azerbaijan, Georgia, Republic of Chile.

SPA SOPOT LLC



"Purga-5" combined fire extinguishing system

Manual monitor complete with shut-off device

It is designed to obtain low and medium expansion air-filled foam with increased range of stream. It can be used to extinguish fires of flammable and combustible liquids, solid combustible materials, and to create light and thermal protection shields in areas of accidents, disasters, natural disasters, for degassing and decontamination, masking civilian and military facilities, as well as during the process of explosion and fire prevention at LHG and LNG facilities.

Key performance parameters

Water (foaming agent solution) throughput: 5 l/s.
Medium expansion foam throughput: 21,000 l/min.
Effective range of medium expansion foam jet: 20-25 m.
Inlet pressure: 0.8 MPa.
Foam expansion ratio: 70.
Foaming agent flow rate: 0.36 l/s.

Certificate of the Russian Federation.

Countries of export: Republic of Belarus, Republic of Kazakhstan, Ukraine, Republic of Uzbekistan, People's Republic of China, Republic of Poland, Republic of Latvia, Republic of Lithuania, Republic of Estonia, Republic of Cuba, Republic of India, Kingdom of Norway, Republic of Azerbaijan, Georgia, Republic of Chile.

SPA SOPOT LLC



TN VED Code 8424 89 000 9

"Purga-7" combined fire extinguishing system

Hand nozzle

It is designed to obtain low and medium expansion air-filled foam with increased range of stream. It can be used to extinguish fires of flammable and combustible liquids, solid combustible materials, and to create light and thermal protection shields in areas of accidents, disasters, natural disasters, for degassing and decontamination, masking civilian and military facilities, as well as during the process of explosion and fire prevention at LHG and LNG facilities.

Key performance parameters

Water (foaming agent solution) throughput: 7 l/s.
Medium expansion foam throughput: 29,400 l/min.
Effective range of medium expansion foam jet: 30 m.
Inlet pressure: 0.8 MPa.
Foam expansion ratio: 70.
Foaming agent flow rate: 0.4 l/s.

Certificate of the Russian Federation.

Countries of export: Republic of Belarus, Republic of Kazakhstan, Ukraine, Republic of Uzbekistan, People's Republic of China, Republic of Poland, Republic of Latvia, Republic of Lithuania, Republic of Estonia, Republic of Cuba, Republic of India, Kingdom of Norway, Republic of Azerbaijan, Georgia, Republic of Chile.

SPA SOPOT LLC



TN VED Code 8424 89 000 9

"Purga-20" combined fire extinguishing system

Mobile version

It is designed to obtain low- and medium expansion air-filled foam with increased effective jet range. It can be used to extinguish fires of flammable and combustible liquids, solid combustible materials, and to create light and thermal protection shields in areas of accidents, disasters, natural disasters, for degassing and decontamination, masking civilian and military facilities, as well as during the process of explosion and fire prevention at LHG and LNG facilities.

Key performance parameters

Water (foaming agent solution) throughput: 20 l/s.
Medium expansion foam throughput: 48,000 l/min.
Effective range of medium expansion foam jet: 35 m.
Inlet pressure: 0.8 MPa.
Foam expansion ratio: 40.
Foaming agent flow rate: 1.6 l/s.

Certificate of the Russian Federation.

Countries of export: Republic of Belarus, Republic of Kazakhstan, Ukraine, Republic of Uzbekistan, People's Republic of China, Republic of Poland, Republic of Latvia, Republic of Lithuania, Republic of Estonia, Republic of Cuba, Republic of India, Kingdom of Norway, Republic of Azerbaijan, Georgia, Republic of Chile.

SPA SOPOT LLC



TN VED Code 8424 89 000 9

"Purga-20" combined fire extinguishing system

Remotely controlled turntable ladder nozzle

It is designed to obtain low- and medium expansion air-filled foam with increased effective jet range. It can be used to extinguish fires of flammable and combustible liquids, solid combustible materials, and to create light and thermal protection shields in areas of accidents, disasters, natural disasters, for degassing and decontamination, masking civilian and military facilities, as well as during the process of explosion and fire prevention at LHG and LNG facilities.

Key performance parameters

Water (foaming agent solution) throughput: 20 l/s.
Medium expansion foam throughput: 48,000 l/min.
Effective range of medium expansion foam jet: 35 m.
Inlet pressure: 0.8 MPa.
Foam expansion ratio: 40.
Foaming agent flow rate: 1.6 l/s.

Certificate of the Russian Federation.

Countries of export: Republic of Belarus, Republic of Kazakhstan, Ukraine, Republic of Uzbekistan, People's Republic of China, Republic of Poland, Republic of Latvia, Republic of Lithuania, Republic of Estonia, Republic of Cuba, Republic of India, Kingdom of Norway, Republic of Azerbaijan, Georgia, Republic of Chile.

SPA SOPOT LLC



TN VED Code 8424 89 000 9

"Purga-30" combined fire extinguishing system

Mobile version

It is designed to obtain low- and medium expansion air-filled foam with increased effective jet range. It can be used to extinguish fires of flammable and combustible liquids, solid combustible materials, and to create light and thermal protection shields in areas of accidents, disasters, natural disasters, for degassing and decontamination, masking civilian and military facilities, as well as during the process of explosion and fire prevention at LHG and LNG facilities.

Key performance parameters

Water (foaming agent solution) throughput: 30 l/s.
Medium expansion foam throughput: 54,000 l/min.
Effective range of medium expansion foam jet: 45-50 m.
Inlet pressure: 0.8 MPa.
Foam expansion ratio: 30.
Foaming agent flow rate: 108 l/min.

Certificate of the Russian Federation.

Countries of export: Republic of Belarus, Republic of Kazakhstan, Ukraine, Republic of Uzbekistan, People's Republic of China, Republic of Poland, Republic of Latvia, Republic of Lithuania, Republic of Estonia, Republic of Cuba, Republic of India, Kingdom of Norway, Republic of Azerbaijan, Georgia, Republic of Chile.

SPA SOPOT LLC



TN VED Code 8424 89 000 9

"Purga-40" combined fire extinguishing system

Mobile version

It is designed to obtain low- and medium expansion air-filled foam with increased effective jet range. It can be used to extinguish fires of flammable and combustible liquids, solid combustible materials, and to create light and thermal protection shields in areas of accidents, disasters, natural disasters, for degassing and decontamination, masking civilian and military facilities, as well as during the process of explosion and fire prevention at LHG and LNG facilities.

Key performance parameters

Water (foaming agent solution) throughput: 40 l/s.
Medium expansion foam throughput: 72,000 l/min.
Effective range of medium expansion foam jet: 45-50 m.
Inlet pressure: 0.8 MPa.
Foam expansion ratio: 30.
Foaming agent flow rate: 144 l/min.

Certificate of the Russian Federation.

Countries of export: Republic of Belarus, Republic of Kazakhstan, Ukraine, Republic of Uzbekistan, People's Republic of China, Republic of Poland, Republic of Latvia, Republic of Lithuania, Republic of Estonia, Republic of Cuba, Republic of India, Kingdom of Norway, Republic of Azerbaijan, Georgia, Republic of Chile.

SPA SOPOT LLC



TN VED Code 8424 89 000 9

"Purga-80" combined fire extinguishing system

Nozzle for foam tower complete with a camlock on the flange

It is designed to obtain low- and medium expansion air-filled foam with increased effective jet range. It can be used to extinguish fires of flammable and combustible liquids, solid combustible materials, and to create light and thermal protection shields in areas of accidents, disasters, natural disasters, for degassing and decontamination, masking civilian and military facilities, as well as during the process of explosion and fire prevention at LHG and LNG facilities.

Key performance parameters

Water (foaming agent solution) throughput: 80 l/s.
Medium expansion foam throughput: 144,000 l/min.
Effective range of medium expansion foam jet: 70 m.
Inlet pressure: 0.8 MPa.
Foam expansion ratio: 30.
Foaming agent flow rate: 4.8 l/s.

Certificate of the Russian Federation.

Countries of export: Republic of Belarus, Republic of Kazakhstan, Ukraine, Republic of Uzbekistan, People's Republic of China, Republic of Poland, Republic of Latvia, Republic of Lithuania, Republic of Estonia, Republic of Cuba, Republic of India, Kingdom of Norway, Republic of Azerbaijan, Georgia, Republic of Chile.

SPA SOPOT LLC



TN VED Code 8424 89 0009

"Purga-90" combined fire extinguishing system

Remotely controlled nozzle for foam tower complete with a camlock on the flange

It is designed to obtain low- and medium expansion air-filled foam with increased effective jet range. It can be used to extinguish fires of flammable and combustible liquids, solid combustible materials, and to create light and thermal protection shields in areas of accidents, disasters, natural disasters, for degassing and decontamination, masking civilian and military facilities, as well as during the process of explosion and fire prevention at LHG and LNG facilities.

Key performance parameters

Water (foaming agent solution) throughput: 90 l/s.
Medium expansion foam throughput: 162,000 l/min.
Effective range of medium expansion foam jet: 75-80 m.
Inlet pressure: 0.8 MPa.
Foam expansion ratio: 30.
Foaming agent flow rate: 5.4 l/s.

Certificate of the Russian Federation.

Countries of export: Republic of Belarus, Republic of Kazakhstan, Ukraine, Republic of Uzbekistan, People's Republic of China, Republic of Poland, Republic of Latvia, Republic of Lithuania, Republic of Estonia, Republic of Cuba, Republic of India, Kingdom of Norway, Republic of Azerbaijan, Georgia, Republic of Chile.

SPA SOPOT LLC



TN VED Code 8424 89 000 9

"Purga-100" combined fire extinguishing system

Nozzle for foam tower complete with a camlock on the flange without remote control

It is designed to obtain low- and medium expansion air-filled foam with increased effective jet range. It can be used to extinguish fires of flammable and combustible liquids, solid combustible materials, and to create light and thermal protection shields in areas of accidents, disasters, natural disasters, for degassing and decontamination, masking civilian and military facilities, as well as during the process of explosion and fire prevention at LHG and LNG facilities.

Key performance parameters

Water (foaming agent solution) throughput: 100 l/s.
Medium expansion foam throughput: 180,000 l/min.
Effective range of medium expansion foam jet: 85-90 m.
Inlet pressure: 1.0-1.2 MPa.
Foam expansion ratio: 30.
Foaming agent flow rate: 6 l/s.

Certificate of the Russian Federation.

Countries of export: Republic of Belarus, Republic of Kazakhstan, Ukraine, Republic of Uzbekistan, People's Republic of China, Republic of Poland, Republic of Latvia, Republic of Lithuania, Republic of Estonia, Republic of Cuba, Republic of India, Kingdom of Norway, Republic of Azerbaijan, Georgia, Republic of Chile.

SPA SOPOT LLC



TN VED Code 8424 89 000 9



TN VED Code 7326 90 980 8

Heat shield

Sogda 1V

It is designed to ensure protection against thermal radiation.

Key performance parameters

Reduction of heat flux density by 50 times.

Certificate of the Russian Federation.

Countries of export: State of Kuwait, People's Republic of China, Slovak Republic, Republic of Kazakhstan.

SpetsPozhTech LLC



TN VED Code 7326 90 980 8

Heat shield

Sogda 1A.01

It is designed to ensure protection against thermal radiation.

Key performance parameters

Reduction of heat flux density by 50 times.

Certificate of the Russian Federation.

Countries of export: State of Kuwait, People's Republic of China, Slovak Republic, Republic of Kazakhstan.

SpetsPozhTech LLC



Heat shield

Sogda 3

It is designed to ensure protection against thermal radiation.

Key performance parameters

Reduction of heat flux density by 50 times.

Certificate of the Russian Federation.

Countries of export: Republic of Kazakhstan.

SpetsPozhTech LLC

TN VED Code 7326 90 980 8



Heat shield

Sogda 4

It is designed to ensure protection against thermal radiation.

Key performance parameters

Reduction of heat flux density by 50 times.

Certificate of the Russian Federation.

Countries of export: Republic of Kazakhstan.

SpetsPozhTech LLC

TN VED Code 7326 90 980 8

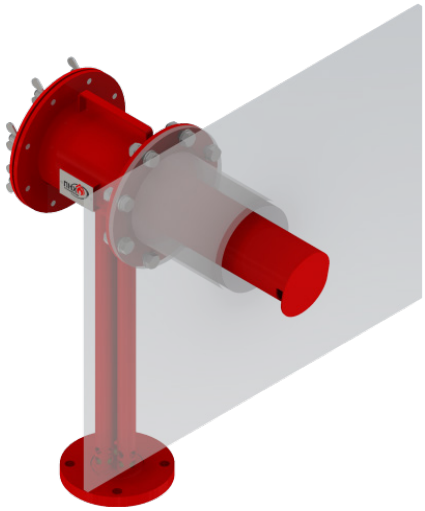
The "SOGDA" heat shields are products, the design of which is based on an innovative technology to drastically reduce heat fluxes.
The know-how of the shields is protected by a number of patents in Russia and abroad, including the USA, Great Britain, France, Germany, Italy, China, Canada and other countries.
The shields consist of a metal frame and mesh panels, between which water is sprayed in a special way by nozzles of an original design.
The "Sogda" shields ensure a 50-fold attenuation of heat fluxes due to a combination of thermal and physical and optical effects. The shields are designed to be operated at heat fluxes with a density of up to 60 kW/m^2*, and allow localizing fires with temperatures of up to 12,000°C.
*The maximum heat flux value for a firefighter in turnout gear without protective equipment - 4.2 kW/m^2.

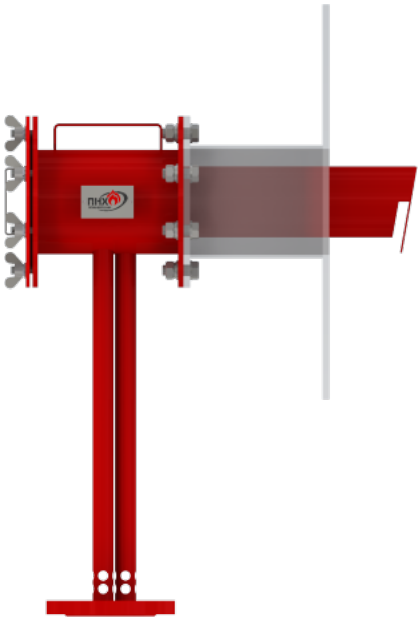
Unique properties of the shields

Full protection against open flames.
It is possible to evacuate people from the fire area with the help of corridors made of shields, as well as the installation of fences to stop the spread of fire.
Unlimited operation time in case of fires.
The restrictions for the time of work of people and equipment at extreme heat radiation and fire exposure are removed.
Partial transparency to ensure light emission.
The visibility of burning objects is ensured through the screen, which allows assessing the situation in the burning area and taking prompt decisions.

Shield applications

The shields can be used to extinguish fires at the facilities of the gas, oil, fuel, chemical, nuclear, forestry, woodworking industries, power generation facilities, metallurgy and mechanical engineering enterprises, in residential and office premises.





TN VED Code 8424 89 000 9

Low expansion chamber (LEC) complete with foam pourer FP

"Vega" low expansion chamber (LEC)
LEC complete with foam pourer FP (VST)
LEC complete with foam pourer FP (VSTP)
LEC complete with foam pourer FP (VSTFR)
KNP-5; KNP-10; KNP-15; KNP-20; KNP-25; KNP-30

They are designed to obtain low expansion foam and deliver it to storage tanks for oil products.

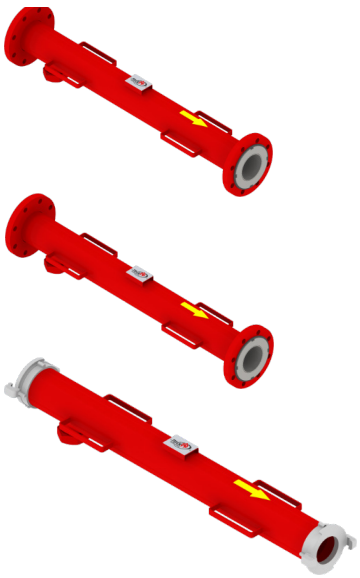
Key performance parameters

Rated consumption - 5-30 l/min.
Nominal pressure - 0.5 MPa (or on demand).
Operating pressure - 0.5-1.0 MPa.
Foam expansion ratio - 4-12.

Certificate of the Russian Federation.

Countries of export: Republic of Azerbaijan, CIS, countries of Africa and Asia.

Pozhneftekhim LLC



TN VED Code 8424 89 000 9

High-pressure foam generator (HPFG)

"Shturm" high-pressure foam generator (HPFG)
VPG-15; VPG-20; VPG-25; VPG-30; VPG-35; VPG-40

It is designed to obtain low expansion foam and deliver it to the oil product layer.

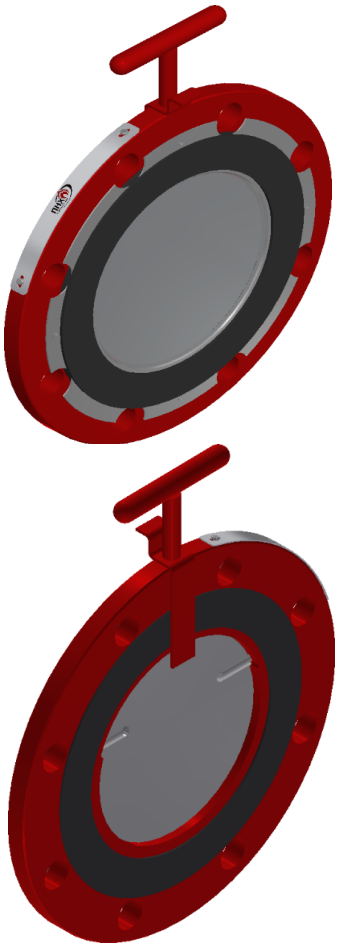
Key performance parameters

Foaming agent solution rated consumption - 10-40 l/s.
Nominal pressure - 0.8 MPa (or on demand).
Operating pressure - 0.8-1.0 MPa.
Pressure conversion coefficient - not less than 40%.
Foam expansion ratio - at least 4.

Certificate of the Russian Federation.

Countries of export: CIS, countries of Africa and Asia.

Pozhneftekhim LLC



TN VED Code 7326 90 940 9

Rupture disc (RD)

"Shchit" rupture disc (RD)
MR-80; MR-100; MR-150; MR-200; MR-250; MR-300

It is designed to prevent oil products contained in the tank from getting into the dry-pipe foam line. It is used in the systems for subsurface fire extinguishing of tanks.

Key performance parameters

The maximum allowable oil or oil product column pressure on the part of vessel - 0.3 MPa.
The minimum excess pressure of foam over the oil or oil product column pressure on the part of vessel, required to open the flow area, is 0.02 MPa.
Nominal pressure - 1.6 MPa.

Certificate of the Russian Federation.

Countries of export: CIS, countries of Africa and Asia.

Pozhneftekhim LLC



TN VED Code 8424 90 000 0

Foam nozzle (FN)

"Subsurface" foam nozzle (FN) PN-80; PN-100; PN-150; PN-200; PN-250

It is used as part of subsurface fire extinguishing systems for petroleum products storage tanks.

Key performance parameters

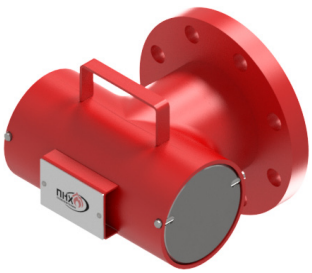
Single outlet port area - 20-170 cm^2.
Gate valve opening pressure - 0.05 MPa max.

Certificate of the Russian Federation.

Countries of export: CIS, countries of Africa and Asia.

Pozhneftekhim LLC







TN VED Code 7326 90 980 7

Multipurpose foam generator (MPFG)

"Turbopen" multipurpose foam generator (MPFG)
MPFG - stationary; manual; mobile
MPFG on the PU-A rotary device
MPFG on the PU-B rotary device
MPFG on the PU-C rotary device
MPFG - twin version
UGP-2; UGP-5; UGP-7; UGP-10; UGP-15; UGP-20; UGP-30
UGP-40(2 x 20); UGP-60(2 x 30)

It is designed to obtain extinguishing jets of medium expansion foam.

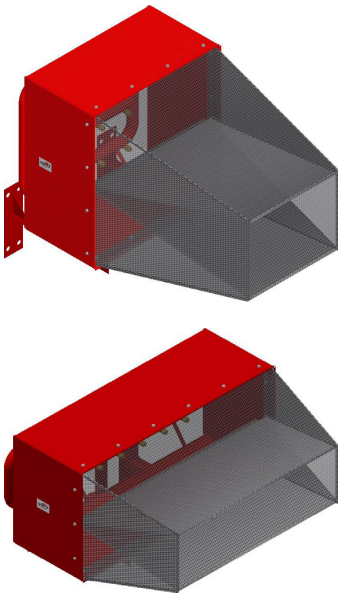
Key performance parameters

Nominal pressure - 0.6 MPa.
Operating pressure - 0.4-1.0 MPa.
Foaming agent solution flow rate - 2-60 l/s.
Foam expansion ratio - 30.
Moving the foam generator on rotary devices within 0-360 deg.

Certificate of the Russian Federation.

Countries of export: CIS, countries of Africa and Asia.

Pozhneftekhim LLC



TN VED Code 7326 90 980 7

Ejection high expansion foam generator (EHEFG)

"Favorti" ejection high expansion foam generator (EHEFG)
GVPE-50; GVPE-100; GVPE-150; GVPE-200; GVPE-250; GVPE-300; GVPE-350; GVPE-400; GVPE-450; GVPE-500; GVPE-600; GVPE-700; GVPE-800; GVPE-900; GVPE-1000

It is designed to obtain high expansion air-filled foam.

Key performance parameters

Foaming agent solution rated consumption - 50-1000 l/min.
Nominal pressure - 0.5-1.0 MPa.
Foam expansion ratio - 400-800.

Certificate of the Russian Federation.

Countries of export: Republic of Azerbaijan, CIS, countries of Africa and Asia.

Pozhneftekhim LLC



TN VED Code 8481 30 990 8

Multipurpose fire filter (MPFF)

"Tower" multipurpose fire filter (MPFF)
PFU-50; PFU-80; PFU-100; PFU-150; PFU-200;
PFU-250; PFU-300; PFU-350; PFU-400

It is designed for filtering water, foaming agents and foaming agent solutions.

Key performance parameters

Inside diameter - 50-400 mm.
Nominal pressure - 1.6 MPa.
Effective capacity - 400-82,600 cm^3.
Filter element mesh size - 1 x 1 - 6 x 6 мм.

Certificate of the Russian Federation.

Countries of export: Republic of Azerbaijan, CIS, countries of Africa and Asia.

Pozhneftekhim LLC



TN VED Code 8424 20 000 0

Multipurpose combined hand fire nozzle

RSKU-70A

It is intended for extinguishing fires, cooling down building and process structures, depositing clouds of poisonous or radioactive gases, vapors and dust.
The nozzle is intended for generating and aiming solid or sprayed (with a variable spray angle) jets of water, jets of low expansion air-filled foam. The flow rate can be adjusted in the range of from 0 l/s (the nozzle is closed) to 15 l/s. The monitor provides for flushing mode (without disconnecting from the fire hose) in case of clogging.

Key performance parameters

Nominal diameter - 70.
Nominal pressure - 0.4 MPa.
Operating pressure, MPa - 0.4-0.6.
Solid jet flow rate, l/s - 6, 9, 12, 15.
Foaming agent solution flow rate, l/s - 6, 9, 12, 15.
Throwing range according to distant drops at 0.4 MPa l/s, min:

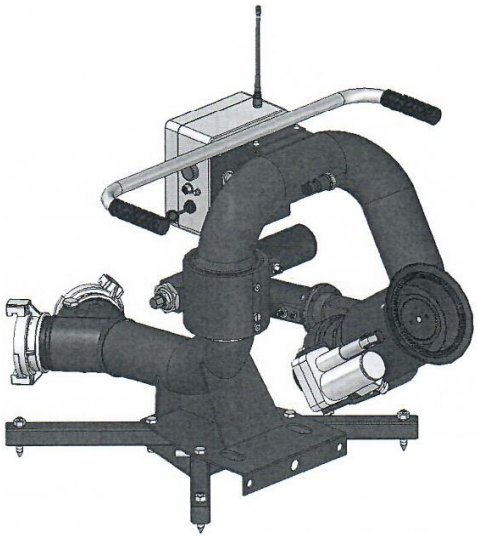
- solid - 47 m;
- sprayed with a cone of 40 ° - 24 m;
- foam - 37 m.

Climatic version acc. to GOST 15150 N1; NF 1.1; MU1.
Monitor overall dimensions (length), mm - not more than 320.
Weight, kg - not more than 2.5.

Certificate of the Russian Federation.
EAEU Certificate.

Countries of export: Italian Republic.

Engineering centre FR LLC



TN VED Code 8424 20 000 0

Portable fire monitor equipped with an automatic nozzle

LSD-P80Ua

It is designed for extinguishing fires, cooling down building and process structures, depositing clouds of poisonous or radioactive gases, vapors and dust, to form a stream of a sprayed jet of extinguishing agent with a variable spray angle from a solid jet to a protective shield of 90 °.

Key performance parameters

Operating pressure, MPa - 0.4~0.7.
The range of flow rate variation when changing pressure from 0.4 to 0.7 MPa, l/s - 18-70.
Throwing range at a pressure of 0.7 MPa, min:

- solid - 65 m;
- sprayed with a cone of 40 ° - 45 m;
- foam - 60 m.

Monitor movement:

- in vertical plane, degrees, from +35 to +75;
- in horizontal plane, deg. 180.

Oscillation angles, deg. - up to 180.
Climatic version - N1, NF 1.1.
Weight, kg - not more than 50.

Certificate of the Russian Federation.
EAEU Certificate.

Countries of export: People's Republic of China.

Engineering centre FR LLC



TN VED Code 8424 20 000 0

Portable fire monitor equipped with an automatic nozzle

LS-P60Ua

It is intended for extinguishing fires, cooling down building and process structures, depositing clouds of poisonous or radioactive gases, vapors and dust.
It is equipped with an automatic nozzle (a) with automatic pressure stabilization to maintain an optimal stream within the flow range of 8–80 l/s.

Key performance parameters

Operating pressure - 0.4~1.0 MPa.
The range of flow rate variation when changing pressure, l/s - 20-80.
Throwing range at a pressure of 0.67 MPa, min:

- solid - 80 m;
- sprayed with a cone of 40 ° - 49 m;
- foam - 68 m.

Maximum water jet throwing range - 88 m.
Weight, kg - not more than 21.

Certificate of the Russian Federation.
EAEU Certificate.

Countries of export: People's Republic of China

Engineering centre FR LLC



TN VED Code 8424 20 000 0

Multipurpose stationary water and foam ball fire monitor

LSD-S60Usha

It is designed for extinguishing fires, cooling down building and process structures, depositing clouds of poisonous or radioactive gases, vapors and dust, to form an extinguishing agent jet with a variable spray angle from a solid jet to a protective shield of 90 °.

Key performance parameters

Operating pressure - 0.4~0.67 MPa.
The range of flow rate variation when changing pressure from 0.4 to 0.67 MPa, l/s - 18-65.
Throwing range at a pressure of 0.67 MPa, min:
- solid - 83 m;
- sprayed with a cone of 40 ° - 49 m;
- foam - 70 m.

Monitor movement:
- in vertical plane, degrees, from -15 to +75;
- in horizontal plane, deg., 345.

Travel speed:
- during spraying, deg./s - 3;
- during pointing, deg./s - 9.

Power supply voltage, V - 24 ± 5.
Climatic version - N1, NF 1.1.
Weight, kg - not more than 42.

Certificate of the Russian Federation.
EAEU Certificate.

Countries of export: People's Republic of China

Engineering centre FR LLC



TN VED Code 8424 20 000 0

Normal pressure adjustable hand fire nozzle

RSKU-20TRV

It is designed for extinguishing fires, cooling down building and process structures, depositing clouds of poisonous or radioactive gases, vapors and dust, to form a water spray (WS) jet with the ability to change spray angle from a solid jet to a protective shield with a spray-cone angle of 120 °.

Key performance parameters

Nominal diameter - 20.
Nominal pressure - 0.5 MPa.
Operating pressure, MPa - 0.5-1.7.
Solid jet flow rate, l/s - 0.5-0.8.
Sprayed jet flow rate - 0.5-0.8.
Throwing range according to distant drops at 3 MPa, min (m):

- solid - 8-10;
- sprayed with a cone of 30 ° - 5 m.
- sprayed with a cone of 90 ° - 3 m.

Spray-cone angle variation range, deg. - 0-120.
Protective shield discharge angle, deg. - 120.
Climatic version acc. to GOST 15150 - N1, NF 1.1, MU1.
Nozzle overall dimensions (length), mm - 269 max.
Weight, kg - not more than 1.4.

Certificate of the Russian Federation.

Countries of export: People's Republic of China

Engineering centre FR LLC



TN VED Code 8424 20 000 0

Multipurpose portable water and foam ball fire monitor

LS-P40(20,30)Ush-sk

It is used for extinguishing fires, cooling down building and process structures, depositing clouds of poisonous or radioactive gases, vapors and dust.
It is designed to form a stream of a fire-extinguishing agent sprayed jet with a variable spraying angle, from a solid jet to a spray jet with a spray cone of 90 degrees.

Key performance parameters

Nominal pressure - 0.6 MPa.
Operating pressure - 0.4-1 MPa.
Flow rate at a pressure of 0.6 MPa:
- water, l/s 20, 30, 40;
- foaming agent solution, l/s - 20, 30, 40.

Throwing range according to distant drops at 0.4 MPa l/s, min (m):
- solid - 47 m;
- sprayed with a cone of 40 ° - 24 m;
- foam - 37 m.

Foam expansion ratio - 7.
Climatic version acc. to GOST 15150 - N1, NF 1.1, MU1.
Monitor overall dimensions (length), mm, max 269.
Weight, kg - not more than 1.4.

Certificate of the Russian Federation.
EAEU Certificate.

Countries of export: People's Republic of China

Engineering centre FR LLC



TN VED Code 8424 20 000 0

Multipurpose combined hand fire nozzle

RSKU-50A

It is used for extinguishing fires, cooling down building and process structures, depositing clouds of poisonous or radioactive gases, vapors and dust.
It is intended for generating and aiming solid or sprayed (with a variable spray angle) jets of water, jets of low and medium expansion (with a foam generator) air-filled foam.
The flow rate can be adjusted in the range of from 0 l/s (the monitor is closed) to 8 l/s. To perform connection to the fire hose, a rotating coupling head GM-50 GOST 28352-89 is installed on the monitor.
The monitor provides for flushing mode (without disconnecting from the fire hose) in case of clogging.

Key performance parameters

Nominal diameter - 50.
Operating pressure - 0.4-0.6 MPa.
Solid jet flow rate - 2.0; 4.0; 8.0 l/s.
Sprayed jet flow rate - 2.0; 4.0; 8.0 l/s.
Throwing range according to distant drops at 0.4 MPa l/s, min (m):
- solid - 35 m;
- sprayed with a cone of 40 ° - 18 m;

Sprayed jet discharge angle range, deg. - 0-120.
Protective shield discharge angle, deg., not less than 120.
Protective shield discharge diameter, m, not less than 6.
Foaming agent solution flow rate - 2.0; 4.0; 8.0 l/s.
Foam spray throwing range at 0.6 MPa, m, min:
- without foam nozzle - 25;
- with foam nozzle - 19.

Climatic version - N1; NF 1.1; MU.
Monitor overall dimensions, mm, max:
- length - 280;
- length with foam nozzle - 480.

Weight, max - 2.1 kg.
Foam nozzle weight, max - 1 kg.

Certificate of the Russian Federation.
EAEU Certificate.

Countries of export: Republic of Belarus.

Engineering centre FR LLC



TN VED Code 8424 20 000 0

Multipurpose combined hand fire nozzle

RSKU-70A hand nozzle

It is used for extinguishing fires, cooling down building and process structures, depositing clouds of poisonous or radioactive gases, vapors and dust.
The nozzle is intended for generating and aiming solid or sprayed (with a variable spray angle) jets of water, jets of low expansion air-filled foam.
The flow rate can be adjusted in the range of from 0 l/s (the nozzle is closed) to 15 l/s.
The nozzle provides for flushing mode (without disconnecting from the fire hose) in case of clogging.

Key performance parameters

Nominal diameter - 70.
Nominal pressure - 0.4 MPa.
Operating pressure - 0.4-0.6 MPa.
Solid jet flow rate - 6, 9, 12, 15 l/s.
Foaming agent solution flow rate - 6, 9, 12, 15 l/s.
Throwing range according to distant drops at 0.4 MPa l/s, min (m):

- solid - 47 m;
- sprayed with a cone of 40 ° - 24 m;
- foam - 37 m.

Climatic version acc. to GOST 15150 - N1; NF 1.1; MU.
Monitor overall dimensions (length), not more than 320 mm.
Weight, kg - not more than 2.5.

Certificate of the Russian Federation.
EAEU Certificate.

Countries of export: Republic of Belarus.

Engineering centre FR LLC



TN VED Code 8424 20 000 0

Multipurpose stationary remotely controlled water and foam fire monitor

LSD-S40(20,30)U

The monitors are used in fire hazardous areas to extinguish fires, to cool down building and process structures, and to deposit clouds of poisonous or radioactive gases, vapors and dust.
It is designed to form a stream of a fire-extinguishing agent sprayed jet with a variable spraying angle, from a solid jet to a protective shield of 90 deg.

Key performance parameters

Nominal pressure - 0.6 MPa.
Operating pressure range - 0.4~1.0 MPa.
Water (foaming agent aqueous solution) consumption rate - at least 40 l/s.
Throwing range at nominal pressure, minimum:
- solid water - 65 m;
- sprayed (at a spray-cone angle of 30 deg.) - 42 m;
- solid foam - 55 m.

Maximum water jet throwing range - 73 m.
Supply voltage:
- from on-board network - 24 V;
- from field network - 220 (50 Hz), 380/220 (50 Hz).

Monitor movement working area:
- in horizontal plane - 345 °;
- in vertical plane - from +90 ° to -45 °;

Weight - 30 kg max.

Certificate of the Russian Federation.
EAEU Certificate.

Countries of export: Republic of Belarus.

Engineering centre FR LLC



TN VED Code 8424 20 000 0

Multipurpose stationary manually controlled water and foam fire monitor

LS-S40(20,30)Un

The monitors are used in fire hazardous areas to extinguish fires, to cool down building and process structures, and to deposit clouds of poisonous or radioactive gases, vapors and dust.
It is designed to form a stream of a fire-extinguishing agent sprayed jet with a variable spraying angle, from a solid jet to a protective shield of 90 deg.

Key performance parameters

Nominal pressure - 0.6 MPa.
Operating pressure range - 0.4~1.0 MPa.
Water (foaming agent aqueous solution) consumption rate, l/s - at least 40.
Throwing range (according to distant drops) at nominal pressure, m - minimum:
- solid water - 65;
- sprayed (at a spray-cone angle of 30 deg.) - 42;
- solid foam - 55.

Maximum water jet throwing range, m - 73.
Monitor movement working area, deg.:
- in horizontal plane - 360;
- in vertical plane - 90, 40.

Weight, kg - not more than 15.

Certificate of the Russian Federation.
EAEU Certificate.

Countries of export: Republic of Belarus.

Engineering centre FR LLC



TN VED Code 8424 20 000 0

Multipurpose stationary manually controlled water and foam fire monitor complete with oscillator

LS-S40(20,30)Uo

The monitors are used in fire hazardous areas to extinguish fires, to cool down building and process structures, and to deposit clouds of poisonous or radioactive gases, vapors and dust.
It is designed to form a sprayed jet of fire extinguishing agent with a variable spray angle, from a solid jet to a protective shield of 90 degrees, with the ability to move (swing) the monitor in a given sector due to the energy of the water flow supplied to the monitor.

Key performance parameters

Nominal pressure, MPa - 0.6.
Operating pressure, MPa - 0.4~0.8.
Water consumption, l/s - at least 40.
Throwing range (according to distant drops) at nominal pressure, m, minimum:

- solid water - 62;
- sprayed (at a spray-cone angle of 30 deg.) - 40;
- solid foam - 52.

Maximum water jet throwing range, m - 69.
Monitor movement speed during oscillation, deg./s - 2-6.
Oscillation angles - 110±5.
Weight, kg - not more than 27.

Certificate of the Russian Federation.
EAEU Certificate.

Countries of export: Republic of Bulgaria.

Engineering centre FR LLC



TN VED Code
8424 20 000 0

Multipurpose combined hand fire nozzle

RSKU-50A

The manual nozzle is used to extinguish fires, to cool down building and process structures, and to deposit clouds of poisonous or radioactive gases, vapors and dust.
It is intended for generating and aiming solid or sprayed (with a variable spray angle) jets of water, jets of low and medium expansion (with a foam generator) air-filled foam.
The flow rate can be adjusted in the range of from 0 l/s (the nozzle is closed) to 8 l/s. To perform connection to the fire hose, a rotating coupling head GM-50 GOST 28352-89 is installed on the monitor.
The monitor provides for flushing mode (without disconnecting from the fire hose) in case of clogging.

Key performance parameters

Nominal diameter - 50.
Operating pressure - 0.4-0.6 MPa.
Solid jet flow rate, l/s - 2.0; 4.0; 8.0.
Sprayed jet flow rate, l/s - 2.0; 4.0; 8.0.
Throwing range according to distant drops at 0.4 MPa, m - minimum:
- solid - 35;
- sprayed with a cone of 40 ° - 18 m.

Sprayed jet discharge angle range, deg. - 0-120.
Protective shield discharge angle, deg. - at least 120.
Protective shield discharge diameter, m - at least 6.
Foaming agent solution flow rate, l/s - 2.0; 4.0; 8.0.
Foam spray throwing range at 0.6 MPa, m - min:
- without foam nozzle - 25;
- with foam nozzle - 19.

Climatic version - N1; NF 1.1; MU.
Overall dimensions, mm - max:
- length - 280;
- length with foam nozzle - 480.

Weight, kg - not more than 2.1.
Foam nozzle weight, kg - not more than 1.

Certificate of the Russian Federation.
EAEU Certificate.

Countries of export: Republic of Bulgaria.

Engineering centre FR LLC

SUPPLY TANK

BDP-ZEOTEK

It is designed for storage and mixing of fire extinguishing agent (foaming agents, wetting agents) in the required proportion.

Key performance parameters

Operating pressure - 1.6 MPa.
Volume - from 500 L.
Operating pressure - from 0°C to +55°C.

Certificate of the Russian Federation.
Certificate of the Republic of Belarus.

Countries of export: Republic of Belarus, Republic of Kazakhstan, Republic of Uzbekistan.

ZEOTEK LLC



TN VED Code 7309 00 590 0



TN VED Code 8424 90 000 0

FOAM EDUCTOR

ZEOTEK PS-SHD
ZEOTEK PS-D

It is intended for mixing the foaming agent in the required proportion.

Key performance parameters

Operating pressure - 1.6 MPa.
Operating pressure - from 0°C to +55°C.
Capacity - from 11 to 2400 l/min.

Certificate of the Russian Federation.
Certificate of the Republic of Belarus.

Countries of export: Republic of Belarus, Republic of Kazakhstan, Republic of Uzbekistan.

ZEOTEK LLC



TN VED Code 8424

KORUFIRE multipurpose robotized remotely controlled fire monitor (complete with foam nozzle)

KORUFIRE KRF-LSD-S20(25,30)U

It is designed to make solid and sprayed water jets with a variable spray-cone angle of water jet (up to the protective shield), as well as the jets of low expansion air-filled foam for extinguishing fires. The monitor is used for extinguishing fires, cooling down building and process structures, depositing clouds of radioactive and poisonous gases, vapors and dust.

Key performance parameters

The effective range of a solid water jet with a capacity of 20 l/s at a head upstream of the monitor of 80 m wg, when the fire monitor is located at an angle of 30 ° to the horizon, is 63 m.

The effective range of a sprayed water jet (spray-cone angle of 30 °) with a capacity of 20 l/s at a head upstream of the monitor of 80 m wg, when the fire monitor is located at an angle of 30 ° to the horizon, is 47 m. Spray spot sizes: 15.5 m in length and 10 m in width.

Overall dimensions - 600 x 500 x 630 mm.
Container - 800 x 800 x 1000 mm.
Net weight - 45.0 kg.
Gross weight - 130.0 kg.

Certificate of the Russian Federation.

Countries of export: People's Republic of China, Federal Republic of Germany, Republic of Bulgaria, Romania, Republic of Korea, Socialist Republic of Vietnam, Republic of Indonesia, Malaysia.

KORIFIRE LLC

KORUFIRE multipurpose robotized remotely controlled fire monitor

KORUFIRE KRF-LSD-S80(60,90)U

It is designed to make solid and sprayed water jets with a variable spray-cone angle of water jet (up to the protective shield), as well as the jets of low expansion air-filled foam for extinguishing fires. The monitor is used for extinguishing fires, cooling down building and process structures, depositing clouds of radioactive and poisonous gases, vapors and dust.

Key performance parameters

The effective range of a solid water jet with a capacity of 80 l/s at a head upstream of the monitor of 80 m wg, when the fire monitor is located at an angle of 30 ° to the horizon, is at least 80 m.

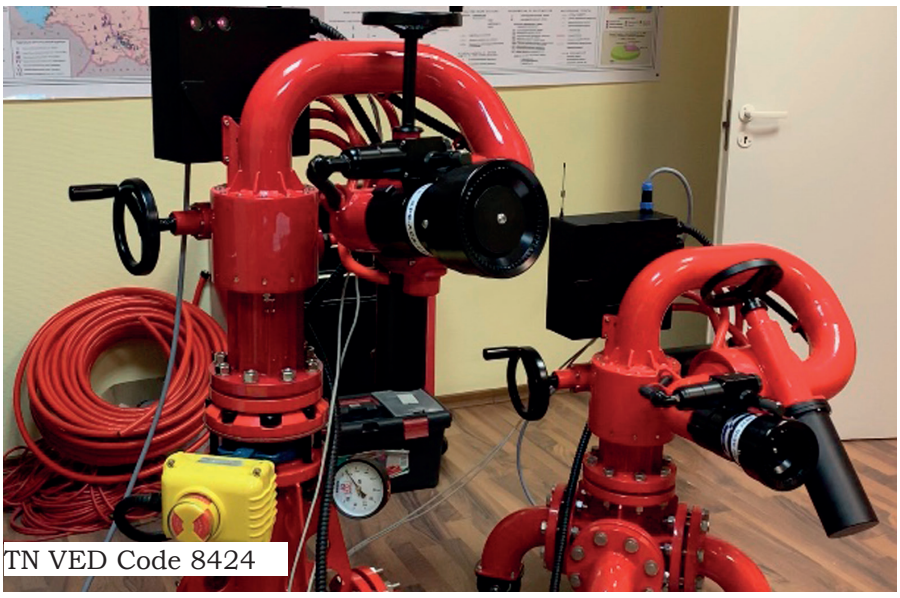
The effective range of a sprayed water jet (spray-cone angle of 30 °) with a capacity of 80 l/s at a head upstream of the monitor of 80 m wg, when the fire monitor is located at an angle of 30 ° to the horizon, is at least 55 m.

Overall dimensions - 700 x 650 x 700 mm.
Container - 800 x 800 x 1500 mm.
Net weight - 75.0 kg.
Gross weight - 150.0 kg.

Certificate of the Russian Federation.

Countries of export: People's Republic of China, Federal Republic of Germany, Republic of Bulgaria, Romania, Republic of Korea, Socialist Republic of Vietnam, Republic of Indonesia, Malaysia.

KORIFIRE LLC



TN VED Code 8424

"Standard" frost-resistant delivery fire hoses

RPM (V) 1.6-NF 1 TU

They are designed to be installed on fire-fighting vehicles, and can be used at industrial facilities, sea and river vessels. They are the most cost effective, while they have high performance characteristics, a water-repellent surface and an improved adhesion.

Key performance parameters

Nominal diameter (DN) inside diameter, mm - 50 (51 ±2), 65 (66 ± 2), 80 (77 ± 2), 150 (150 ± 3).
Operating pressure - 1.6 MPa.
Test pressure - not less than 2.0 MPa.
Burst pressure - not less than 3.5 MPa.
Operating temperature range - from -60°C to +40°C.
They have a water-repellent surface.
They don't become caked and require no talcing.
They are resistant to rotting, decomposition and effects of mold.
They are elastic and they have longer service life.
They are easy to maintain and operate.
They have light weight.
They have improved adhesion.

Certificate of the Russian Federation.
Certificate of the Republic of Belarus.

Countries of export: CIS states.

TH Bereg LLC



TN VED Code 5909

"Latex" delivery fire hoses with an inner latex waterproofing layer

RPM (P) 1.6-NF 1

They are designed to be installed on fire-fighting vehicles, and can be used at industrial facilities, sea and river vessels. They have an advantage over other fire hoses, as they are made of natural latex, and as a results, they have high plasticity, and the water-repellent inner surface contributes to the rapid passage of water flow at a maximum pressure.

Key performance parameters

Nominal diameter (DN) inside diameter, mm - 25 (25 ± 2), 40 (38 ± 2), 50 (51 ± 2), 65 (66 ± 2), 80 (77 ± 2), 90 (89 ± 2), 150 (150 ± 3).
Operating pressure - 1.6 MPa.
Test pressure - not less than 2.0 MPa.
Burst pressure - not less than 3.5 MPa.
Operating temperature range - from -60°C to +40°C.
They have high elasticity.
They are compact, easy to maintain and reliable in operation.
They are highly resistant to effects of mold, and do not rot in wet conditions.
Inner surface of hoses - water-repellent flat surface of the waterproofing chamber, which contributes to the rapid passage of water flow at a maximum pressure.

Certificate of the Russian Federation.
Certificate of the Republic of Belarus.

Countries of export: CIS states.

TH Bereg LLC



TN VED Code 5909

Rubberized fire hoses of "Armtex" type (with double-sided polymer coating)

RPM (D) -50-1.6-TU1

They are designed to be installed on a mobile fire fighting equipment and to supply water and aqueous solutions of foaming agents with a pH value of 7-10 at a distance, under an operating pressure of up to 1.6 MPa in the range of operating temperatures of from -40°C to +45°C, in areas with moderate climate.

Key performance parameters

Nominal diameter (DN) inside diameter, mm - (25 ± 2), (38 ± 2), (51 ± 2), (66 ± 2), (77 ± 2).
Test pressure - not less than 2.0 MPa.
Burst pressure - not less than 3.5 MPa.
Operating temperature range - from -40°C to +45°C.
They have increased resistance to wear, to corrosive media (oil, gasoline).
They have high-tensile strength.

Certificate of the Russian Federation.
Certificate of the Republic of Belarus.

Countries of export: CIS states.

TH Bereg LLC



TN VED Code 5909

"Armtex" delivery fire hoses

RPM (D) 1.6-TU1

They are designed to be installed on fire fighting vehicles, and can be used at industrial and civil facilities to transfer liquids, at sea and river vessels, they have a double-sided polymer coating, which ensures reliable protection of the hose frame from various external effects. They have extended operating life.

Key performance parameters

Hose length: 20 ± 1 m and 18.5 ± 0.5 m.
Inside diameter - 25, 40, 50, 65 and 80 mm. Nominal diameter (DN) inside diameter, mm - 25 (25 ± 2), 40 (38 ± 2), 50 (51 ± 2), 65 (66 ± 2), 80 (77 ± 2).
Operating pressure - 1.6 MPa.
Test pressure - not less than 2.0 MPa.
Burst pressure - not less than 3.5 MPa.
Operating temperature range - from -30°C to +40°C.

Certificate of the Russian Federation.
Certificate of the Republic of Belarus.

Countries of export: CIS states.

TH Bereg LLC



TN VED Code 5909

"Universal" delivery fire hose

RPK-N/V(V)-50-1.0 NF1

It is designed to be installed on fire hydrants (cabinets), portable motorized fire pumps, and can be used at civil and industrial facilities.

Key performance parameters

Nominal diameter (DN) inside diameter, mm – 25 (25 ± 2), 40 (40 ± 2), 50 (51 ± 2), 65 (66 ± 2).
Operating pressure - 1.0 MPa.
Test pressure - not less than 1.25 MPa.
Burst pressure - not less than 2.0 MPa.
Operating temperature range - from -60°C to +40°C.
It retains marketable condition and functional properties when used repeatedly.
It is easily unrolled and rolled back.
It is resistant to rotting, decomposition and effects of mold.
It does not become cracked or caked, and requires no talcing.
The inner lining is made of high-quality polymer materials, which ensure long-term operation in regions with moderate and cold climates.

Certificate of the Russian Federation.
Certificate of the Republic of Belarus.

Countries of export: CIS states.

TH Bereg LLC



TN VED Code 5909



SECTION 10

EXTINGUISHING TOOLS, EQUIPMENT, LIGHTING DEVICES









TN VED Code 8479

"Labirint" luminescent guide cable for the GSPT unit, 50 meters

It is intended for informational designation of escape routes during low visibility rescue operations.

Key performance parameters

Luminescent cable length - 50 m.
Number of glowing modes (continuous glowing or flashing) - 2.
Glowing time in continuous glowing mode, when operating from a self-contained battery, h, at least 1.5.
Glowing time in blinking mode, when operating from a self-contained battery, h, at least 3.
Cable glow time, when powered from a third-party power supply source, h, at least 5.
Supply voltage, V - 12.
Battery capacity, Ah, - 1.2.
Stainless steel cable diameter, mm - 1.
Wire diameter, mm - 5.
Battery recharging from an external power source 24 V, 220 V.
Mean operating time, h, not more than 1000.
Overall dimensions, mm - 300 x 400 x 220.
Weight, kg, max - 5.

Certificate of the Russian Federation.

Countries of export: Federal Republic of Germany.

UralPozhTekhVooruzhenie LLC



TN VED Code 8479

"Labirint" luminescent guide cable for the GSPT unit with light and acoustic annunciation, 50 meters

It is intended for informational designation of escape routes during low visibility rescue operations.

Key performance parameters

Unlike a standard luminescent cable, there are 3 LED lights and two speakers in the reel body (illumination of LED lights in the reel body at a distance of 1 m, lux, at least 570 lux, a sound signal emitted from the reel body at a distance of 1 m, dB, not less than 90 dB). LED lights can be switched on in two modes - continuous and flashing modes. The speakers alternately emit a siren signal and a white noise signal. These two additional functions help to navigate more accurately in a smoky environment.

Certificate of the Russian Federation.

Countries of export: Federal Republic of Germany.

UralPozhTekhVooruzhenie LLC



TN VED Code 8207 70 900 0

Alpha disc (for professional use)

Flat version

Accessories for angle grinders. Treatment of flat surfaces to significantly improve adhesion properties before applying fire retardants. Alpha disc is an equivalent of coarse-grained glazing wheels, exceeding their service life several hundred-fold.

Key performance parameters

Disc diameter: 125 mm.
Mounting bore: 22.2 mm.
Body material: steel.
Disc working face shape: flat.
Abrasive material: tungsten carbide WC.
Available grain sizes of the WC abrasive: 0.5, 1, 2, 3, 4 mm.
Maximum tool power: up to 1800 W.
Maximum tool speed: 12,250 rpm.

Certificate of the Russian Federation.

Countries of export: Ukraine, Republic of Belarus, Republic of Kazakhstan.

RCC OPYTNOE LLC



TN VED Code 8207 70 900 0

Alpha disc (for professional use)

Round version

Accessories for angle grinders. Treatment of flat surfaces to significantly improve adhesion properties before applying fire retardants. Alpha disc is an equivalent of coarse-grained glazing wheels, exceeding their service life several hundred-fold.

Key performance parameters

Disc diameter: 125 mm.
Mounting bore: 22.2 mm.
Body material: steel.
Disc working face shape: round.
Abrasive material: tungsten carbide WC.
Available grain sizes of the WC abrasive: 0.5, 1, 2, 3, 4 mm.
Maximum tool power: up to 2000 W.
Maximum tool speed: 12,250 rpm.

Certificate of the Russian Federation.

Countries of export: Ukraine, Republic of Belarus, Republic of Kazakhstan.

RCC OPYTNOE LLC





TN VED Code 8467 89 000 0

"Pyrotechnic scissors" rescue tool

NP4

It is intended for cutting metal structures (other structures) during rescue operations, including provision of access to victims of road accidents, fires, other emergencies, terrorist acts, as well as when carrying out restoration, construction and repair, assembly and dismantling and other special work in hard-to-reach places and under extreme conditions (at negative temperatures of up to -50°C, in the vicinity of open flame, under the conditions of strong smoke, at atmospheric precipitation and in a rarefied atmosphere at height).

Key performance parameters

Type of work - self-contained.
Power source - the IP-54R tool pyrotechnic cartridge.
Mode of operation - from tool pyrotechnic cartridge.
The diameter of steel bar cut with a single action of the scissors powered by the tool pyrotechnic cartridge is 20–25 mm.
Number of specialists required to operate the scissors - 1 person.
Scissors weight - 15.8 + 10% kg.
Scissors dimensions - 870 x 170 x 130 mm.
Scissors recharge time - not more than 7 s.
Operational readiness - constant, without preparatory operations.
Frequency of operation of the scissors - unlimited.

Certificate of the Russian Federation.
EAEU Certificate.

Countries of export: Australia, Republic of Korea, Ireland, United States of America, People's Republic of China.

SAVETOOL LLC



SECTION 11

SPECIAL DEVICES AND UNITS





TN VED Code 8531 10 300 0

"OLYMPUS" hardware software package

"OLYMPUS" HWSWP

It is designed for sprinkler fire-extinguishing system control equipment.

Key performance parameters

The system information capacity allows connecting up to 96,000 addresses, which can provide protection for facilities with an area of more than 100,000 m^2.

Certificate of the Russian Federation.

Countries of export: Republic of Kazakhstan, Republic of Belarus.

Gefest Holding LLC
FRDE GEFEST LLC
E-Sprinkler

ALPHABETICAL INDEX OF ORGANIZATIONS

Altonika SB, LLC

PO Box 343, 115230, Moscow.

OKPO Code 14134566

www.altonika-sb.ru

Director General
Aleksandr Nikolaevich Gerasimchuk

Commercial Director
Dmitry Anatolievich Taranenko

One of the main activities of Altonika SB company is the development and production of security systems, car security systems and theft protection equipment. "Altonika SB" produces a wide range of equipment ensuring the protection of individuals, organizations, enterprises and strategic facilities. To address the issues of organizing security and fire monitoring, we produce centralized radio channel notification transmission systems, sets generating alarms, fire alarm control panels and accessories. For the purpose of individual protection, Altonika SB offers self-contained GSM-alarms, sets of alarm radio buttons, car security and theft protection equipment: car alarms, security theft protection systems, immobilizers.

ARGUS-SPECTRUM, LLC

65, Serdobolskaya st., 197342, St. Petersburg

OKPO Code 01043951

www.argusspectrum.com

Director General
Sergey Anatolievich Levchuk

Head of SDO technical support department
Mikhail Sergeevich Elkin

ARGUS-SPECTRUM is the global leader in the development and production of wireless security systems. The company was founded in 1993 by scientists of Peter the Great Polytechnic University.

Collaboration with the leading universities of St. Petersburg enables the plant to apply state of the art technologies and scientific achievements in its developments, and to replenish the ranks of its employees with young talents. Of 350 company employees, 50 highly qualified engineers and programmers work in the development department, who are responsible for innovations that enable ARGUS-SPECTRUM to maintain a leading position in the security equipment market.

The key product of the company is the radio channel alarm, warning and localization system STRELETS. The company has got over 100 patents. The company's employees were presented 2 awards from the Government of the Russian Federation in the field of science and technology for the development and implementation of security and fire alarm systems. The enterprise has also repeatedly received awards for participation in all-Russian competitions and exhibitions. In 2017, ARGUS-SPECTRUM plant, among the "National champions", became a member of the priority project of the Ministry of Economic Development of Russia "Support for Private High-Tech Companies-Leaders".

The company's quality management system is certified by the world's largest certification body LPCB (United Kingdom) for compliance with ISO9001. ARGUS-SPECTRUM became the first Russian enterprise in the security systems market having received a bronze medal from Toyota Engineering Corporation for its production management system.

Over 150 ths. facilities in Russia and abroad are equipped with the ARGUS-SPECTRUM equipment. The company's systems protect such iconic facilities around the world as the State Hermitage Museum, the Tretyakov Gallery, the Vnukovo Air Traffic Control Center, the British Parliament building, the Multidisciplinary Clinic of the Military Medical Academy in St. Petersburg, incorporating more than 20,000 wireless devices.

Bereg, TH, LLC

126 A, Mayakovsky st., 142541, settlement Bolshie Dvory, Pavlovo-Posadskiy District, Moscow Oblast

OKPO Code 42252477

www.po-bereg.ru

Director General
Andrey Viktorovich Kovshutin

Contact person
Victoria Viktorovna Fedorovskaya
+7 (49643) 79-090 (ext.12-04)

Bereg Group, which includes Bereg Production Association, Bereg Production Company and Bereg Trading House, is one of the leading designers and manufacturers of fire-fighting equipment in Russia, whose products are well known both in our country and near abroad due to the high quality and wide range of products.

We are currently producing all types of fire hoses and connecting fittings, fire engines of more than 20 configurations. Mass production of fire hoses was launched in 1929.

BOLID, RIC, JSC

4, Pionerskaya st., 141070, Korolyov, Moscow Oblast

OKPO Code 18072856

www.bolid.ru

Director General -
General Designer
Igor Aleksandrovich Babanov

The main areas of activity of "Bolid" are designing, manufacturing and supplying security, automation and scheduling engineering systems and facilities.

The "SIGNAL" fire alarm control panels are among the most commonly used in security systems. Set of hardware and software tools "Egida" successfully addresses the issues of the console central security.

Redundant power sources "RIP" - uninterrupted supply of energy to security systems.

The company's quality management system is certified according to ISO GOST R ISO 9001-2015, and is provided with automation and continuous 4-level control of all production processes.

We offer a wide range of our own equipment, as well as equipment and assembly materials from leading Russian and foreign manufacturers, which enables us to resolve the problem of purchasing from one supplier.

Warranty and post-warranty services are provided in any of 10 repair centers.

BFK-Proekt, LLC

Vitebsky pr., 11, lit. C, office 2010, 196105, St. Petersburg

OKPO Code 20161283

Director General
Anton Valerievich Selyutin

Contact person
Vladimir Andreevich Andreev
+7 (921) 993-22-82

BFK-SYSTEMA LLC is a company, the core business of which is the production of "ALFA-FOG" automatic high-pressure fine water spray extinguishing system, and the installation of fire-fighting and related systems. Additional activities of the company are: construction of water supply and sewerage utilities, carrying out electric installation work, and supporting security systems.

VzPPSO, JSC

83, Kirov st., 641231, urban-type settlement Vargashi, Kurgan Oblast, Russia

OKPO Code 8717447

www.vargashi.com

Director General
Vladimir Nikolaevich Kazakov

Contact person
Aleksey Vladimirovich Kulikov
+7 (3523) 32-18-49

Vargashinsky plant of fire-fighting and special equipment JSC is rooted in the last mid century and has more than seventy-eight years of successful experience in the field of production of fire and special equipment.

As of today, the plant is a modern, fast developing enterprise that has gained a reputation as a reliable partner that supplies products not only to the domestic market, but also to the CIS states and European Union countries. The vast experience, considerable production and engineering capabilities, synergy of the engineering potential of specialists from our own R&D department and foreign partners, proven quality of manufactured equipment have ensured a wide range of regular customers, including the EMERCOM of Russia, the Ministry of Internal Affairs of Russia, the Ministry of Defense of the Russian Federation, the Federal Security Service of the Russian Federation, Gazprom JSC, AK Transneft JSC, ANK Bashneft JSC, NK Rosneft JSC, Lukoil JSC, Rosenergoatom Concern JSC, airports in the cities of Samara, Krasnoyarsk, Yakutsk, Kirov and many others.

VMP, RPH, JSC

PO Box 115, 620016, Yekaterinburg

OKPO Code 12288779

www.vmp-holding.ru

Director General
Aleksey Mikhailovich Tkachuk

Contact person
Rafis Amiryanovich Khaidarov
+7 (343) 385-77-87 (ext.172)

One of the leading Russian manufacturers of protective coatings that increase the service life and safety level of industrial and civil facilities.

GEFEST, FRDE, LLC

65, Serdobolskaya st., lit. "A", 197342, St. Petersburg.

OKPO Code 98632430

www.gefest-spb.ru

Director General
Aleksandr Valerievich Arakcheev

Lead Manager
Mikhail Vladimirovich Peganov

Gefest FRDE LLC is a production unit for manufacturing fire-fighting products, where fire-resistant junction boxes, fire retardants, visual annunciators and cable line components are manufactured.

Gefest, Holding, LLC

65, Serdobolskaya st., lit. "A", 197342, St. Petersburg

OKPO Code 98632430

www.gefest-spb.ru

Director General
Andrey Nikolaevich Kulakov

Lead Manager
Mikhail Vladimirovich Peganov

Gefest Holding LLC is a production unit for manufacturing fire-fighting equipment, where the "Aqua-Gefest" sprinklers (controlled sprinklers, general-purpose sprinklers, water spray sprinklers with forced launch) are manufactured.

Granit-Salamandra, NPG JSC

PO Box 26, 127411, Moscow.

OKPO Code 54876390

www.granit-salamandra.ru

Director General
Leonid Olegovich Dubrava

Contact person
Yekaterina Nikolaevna Shikova
+7 (968) 400-29-31

Grundfos Istra, LLC

Leshkovo village, bldg. 188, 143581, Istrinsky district, Moscow Oblast

OKPO Code 59379130

www.ru.grundfos.com

Director General
Anatoly Alekseevich Slobodinsky

Contact person
Sergey Vladimirovich Zhidkov
+7 (495) 737-91-01

Grundfos Istra LLC is a leader in manufacturing pumps and pumping equipment. 40-50 thousand pumps, control systems and components are produced annually. Grundfos Istra LLC attaches great importance to the concept of absolute quality as an integral part of the concern organization, and considers the quality assurance system to be a decisive factor in constant development and growth.

Diamond, JSC

46, Ozyornaya st., bldg. 2, room 13, PO Box 26, 119361, Moscow.

OKPO Code 81524446

www.daimond.pro

Director General
Ivan Nikolaevich Sadovsky

Contact person
Ivan Nikolaevich Sadovsky
+7 (926) 329-89-26

Russian manufacturer and designer of innovative fire extinguishing equipment and personal protective equipment.

DEKO LLC

Sovietskaya st., 112 B., 431774,
Povodimovo settlement, Dubensky district,
Republic of Mordovia, Russian Federation.

OKPO Code 12943630

www.dekoterm.ru

Director General
Kirill Yurievich Kulev

Contact person
Kirill Yurievich Kulev
+7 (903) 771-27-21

DEKO is one of the leading Russian manufacturers of flame retardant coatings and paints for general construction needs.

The key activity of the company is the production of high-tech fire-retardant materials for metal structures of the "DEKOTERM" trademark.

ZEOTEK, LLC

5, Khlebozavodskaya st., office 52, 454038,
Chelyabinsk 52

OKPO Code 21640502

www.zeotek.ru

Company Manager
IE Dmitry Sergeevich Kalmakov

Contact person
Dmitry Petrovich Volgapkin
+7 (351) 729-91-06 ext. 156
+7 (912) 317-15-63
proekt@chzmek.ru

Plant of Energy Efficient and Capacitive Equipment LLC was founded in August 2013. The company is developing dynamically, demonstrating continuous improvement of technologies and increase in sales.

The plant produces various types of equipment, fully covering market demands:

industrial foam fire extinguishing equipment: supply tanks (horizontal, vertical, twin); foaming agent storage tanks (foam concentrate); process water storage tanks; diaphragm expansion tanks; diaphragm-type foam mixers and wide range foam mixers; elastic diaphragms for supply tank; foam extinguishing cabinet;

air treatment equipment: industrial receivers and air collectors for compressed air, nitrogen, oxygen and other inert gases; cold regeneration adsorption dehumidifiers;

vertical steel tanks (VST) for storing oil, oil products, fire water supply, light and black oils, etc.;

steel tanks: underground tanks (UT type); heated underground tanks (HUT type); above-ground horizontal steel tanks (AGHST tanks); underground horizontal steel tanks (UHST tanks).

Istochnik Plus, JSC

1, Sotsialisticheskaya st., 659322,
Biysk, Altai Kray, Russian Federation

OKPO Code 54572789

www.antifire.org

Chairman of Board of Directors
Valery Nikolaevich Osipkov

Lead Marketing Manager
Vladimir Vitalievich Samoukin
+7 (3854) 30-58-30

Istochnik Plus JSC is a designer and manufacturer of modular water spray fire extinguishing systems, gas fire extinguishing generators, fire extinguishing aerosol generators and powder fire extinguishing modules under the Tungus trademark.

Kalancha, LLC

Zheleznodorozhnaya st., 22/1, 141313, Sergiev Posad, Moscow Oblast

OKPO Code 14134566

www.kalancha.ru

Director General

V.A. Tarasenko
+7 (495) 781-92-48

Since 1994, Kalancha LLC has been engaged in research and development of its own unique technologies and equipment in the field of fire-fighting. Some of the inventions have no analogies in the world and are protected by Russian and international patents.

Main areas of activity:

- production of unique fire-fighting equipment;
- development of state-of-the-art fire-fighting systems;
- design and installation of automatic fire extinguishing systems.

Kalancha LLC has a quality management system complying with ISO 9001:2015.

KAMPO, JSC

1, Gagarina st.,
Orekhovo-Zuevo, Moscow Oblast.

OKPO Code 23435930

www.kampo.ru

Director General
Sergey Aleksandrovich Balyasnikov

Regional Manager
for Foreign Markets
Vladislav Vladimirovich Skripka
+7 (910) 796-77-92

KAMPO JSC (before corporization in 1993 - Orekhovo-Zuevskoye oxygen equipment design bureau) was founded in 1953 based on the decree of the Council of Ministers of the USSR, and is one of the oldest enterprises in the industrial sector, the designer and commercial manufacturer in the field of instrumentation for aviation, astronautics, medicine, diving, fire and emergency rescue services.

KORUFIRE, LLC

9, Marii Ulyanovoy st., bldg. 2, floor C, unit IA, room 11, 119331, Moscow

OKPO Code 49129225

www.korufire.ru

Director General
Sergey Sergeevich Skvortsov

Contact person
Sergey Sergeevich Skvortsov
+7 (495) 725-43-46

Due to the constant development and mastering the state-of-the-art automatic and robotized fire-fighting technologies, KORUFIRE LLC produces fire extinguishing and fire prevention equipment that is unique from the point of its self-sufficiency parameters. Many years of experience in the production of fire-fighting equipment and high-tech equipment ensure manufacturing high-tech products.

Krilak, Association, SPA

9, Lyotnaya st., 141700, Dolgoprudny, Moscow Oblast.

OKPO Code 40366225

www.krilak.ru

Director General
Irina Romanovna Ladygina

Lead Manager
Sergey Mikhailovich Kuznetsov
+7 (903) 716-55-48

Krilak Association SPA was founded by the specialists of V.A. Kucherenko CSRIBS that is the oldest scientific organization of the country's building complex, a leading developer in the field of building structures and technologies.

Krilak Association SPA is a recognized leader in providing integrated and fire safety, is a scientific and production association with a high level of advanced technologies. Main areas and types of activity:

- development, production, delivery and installation of elements for filling openings in fire barriers, automatic fire extinguishing, personal protective equipment, security and fire alarm systems, CCTV and access control systems;
- development, production, supply and application of fire retardant coatings, impregnating compounds and paintwork materials.

Magnito-Kontakt, RDE, LLC

Novaya st., bldg. 51v, unit N4, 390027, Ryazan

OKPO Code 42336168

www.m-kontakt.ru

Director
Oleg Vladimirovich Vystavkin

Contact person
Elena Trykina
+7 (4912) 45-16-94

The company develops, manufactures and supplies sensors for security and fire alarm systems.

NORT, SPA, LLC

PO Box 5089, 426077, Izhevsk, Udmurt Republic, Russian Federation.

OKPO Code 24505934

www.nort-udm.ru

Director General
Andrey Petrovich Kislyakov

Deputy Head of the Regulatory and Technical Information, Certification and Quality Assurance Department
Rinaz Rashitovich Karimov
+7 (922) 686-50 -95

NORT is a designer and manufacturer of fire retardants for wood and materials based on it, textile materials and carpets, fire retardants for metal structures, bituminous roofing materials, cables, antiseptic compounds for wood impregnation, concrete, stone, brick, protective and decorative compositions, water-dispersion paints and varnishes, and a wide range of wood, fire-proof, fire-resistant and interior doors.

OPYTNOE, RCC, LLC

microdistrict n.a. Yu.A. Gagarin, 6, PO Box 289,
143913, Balashikha, Moscow Oblast

OKPO Code 63679978

www.4tool.ru

Director General
Aleksandr Alekseevich Daylov

Contact person
Anton Mikhailovich Nikitin
+7 (906) 010-90-00

RCC OPYTNOE LLC was founded in 2014 by a group of talented engineers who had worked for many years at the country's closed defense enterprises, performing the most daunting and complex tasks. Excellent knowledge of business and invaluable experience gained over the years of service enabled our founders to follow the path of conversion, introducing their own technologies into peaceful life. The core business RCC OPYTNOE LLC is the customized designing and manufacturing abrasive tools for professional use. All our products are tested in our own laboratory, undergo a multi-stage quality control cycle, and comes into the market only after the successful testing.

Peredovie tekhnologii, SPA, LLC

Fryanovskoe Shosse, bldg. 1, unit 178,
141100, Shchyolkovo, Moscow Oblast.

OKPO Code 37612399

www.bontel.ru

Director General
Roman Ivanovich Bulin

Contact person
Roman Ivanovich Bulin
+7 (929) 641-32-91

SPA Peredovie tekhnologii LLC is a Russian company specializing in the production of fire-fighting equipment, the development of technical and design documentation, and the implementation of modern high-tech solutions in the field of fire and industrial safety at facilities for various applications.

PiroKhimika, LLC

4, Sharikopodshipnikovskaya st., 115088,
Moscow

OKPO Code 41215712

www.pirohim.ru

Director General
Vyacheslav Vyacheslavovich Tyurin
+7 (499) 579-83-75
+7 (905) 597-47-00

Since 2010, PiroKhimika LLC has been developing, manufacturing and introducing new products and technologies in the field of fire extinguishing.

The company develops safe and efficient equipment for detection, suppression and neutralization of flame, preventing it from spreading into a fire. The company's developments in various scientific fields enable us to offer new fire extinguishing concepts, making fire prevention earlier and extinguishing more efficient.

The PiroKhimika products are used for:

- protection of electrical equipment from fires;
- protection of local volumes, including cable ducts and passages;
- prevention and early suppression of household fires;
- extinguishing clothes on human body;
- extinguishing automotive and special vehicles;
- ensuring fire safety in crowded areas.

In Russia, PiroKhimika products are regularly supplied to transport and subway facilities, the armed forces and EMERCOM of Russia, education and healthcare, gas distribution and power supply facilities.

PLAMYA, RDA, LLC

7, Pobedy st., office 408/13, 143966, Reutov, Moscow Oblast.

OKPO Code 1065012025704

www.nto-plamya.ru

Director General
Vyacheslav Ivanovich Skorikov

Lead Manager
Dmitry Valerievich Ekimovsky
+7 (903) 504-20-24
d.ekimovsky@nto-plamya.ru

Private enterprise that designs and manufactures automatic fire extinguishing equipment.

Pozhgidravlika, JSC

31, Mendeleeva st, 456320, Miass, Chelyabinsk Oblast

OKPO Code 63740471

www.пожгидравлика.рф
www.pozhgidravlika.ru

Director General
Vitaly Evgenievich Mayorov

Commercial Director
Vitaly Sergeevich Selivanov
+7 (3513) 53-00-01
+7 (3513) 53-00-07
+7 (3513) 54-87-33

Production of pumping equipment for all types of fire-fighting vehicles: from first aid light vehicles to heavy-duty vehicles, fire pump trucks, fire boats, airfield rescue trucks and other special vehicles; as well as the production of portable motorized fire pumps.

Pozhneftekhim, LLC

Moskovsky prospekt, 130, lit. "A", unit 17N., 196006, St. Petersburg.

OKPO Code 72410778

www.pnx-spb.ru

Director General
Evgeny Dmitrievich Veselov

Contact person
Igor Aleksandrovich Kudryavtsev
+7 (812) 3099109

The Pozhneftekhim company was founded in 2004 with the aim of introducing modern fire protection systems at the facilities of the oil and chemical industry. We want production facilities to be reliably protected from fire using the technologies taking into account the best Russian and international practice in resolving fire safety issues.

Main areas of activity of Pozhneftekhim Group:

Development, manufacturing and shipment of firefighting equipment and foaming agents;

development of regulatory documents at various levels;

development of Concepts for fire protection;

organizational and technical support of designing complex fire safety systems;

conducting front end engineering designs;

scientific and technical advice on the use of fire-fighting equipment and foaming agents manufactured by Pozhneftekhim Group;

carrying out a specialized examination of organizational and engineering solutions to ensure fire safety;

scientific and technical advice on the issues of fire safety in designing, building, retrofitting, upgrading and operating facilities for various applications;

organization and implementation of scientific research, design, and testing work in the field of creating new types of fire vehicles, fire equipment and fire extinguishing agents;

conducting training for industrial and fire safety specialists on the course "Modern foam fire extinguishing and water cooling systems at the facilities of the oil, petrochemical and oil and gas industries", license of the Ministry of Education of Tula Oblast No. 0133/03315 as of 30.09.2016

Pozhkhimzashchita, RPC, LLC

43, Sosinskaya st., bldg. 8, office 225, 109316, Moscow.

OKPO Code 20216972

npk-phz.ru
Пожхимзащита.рф

Director General
Sergey Viktorovich Gvozdev

Contact person
Nikolay Sergeevich Zherdev
+7 (495) 540-50-37 ext. 119

RPC Pozhkhimzashchita LLC develops and manufactures protection, rescue, warning and fire extinguishing equipment under the "Shans" trademark. It is an export-oriented, small innovative enterprise located in Moscow, and a member of the Moscow Innovation Cluster. The originality of design, and the composition of the materials and components used, made it possible to include the "Shans"-E MFSSR in the List of innovative, high-tech products and technologies of Moscow (order of the Department of Science, Industrial Policy and Entrepreneurship of Moscow No. P-18-12-286/6 as of 25.11.2016).

Potok - Pipe Company, LLC

7, Malaya Tikhoretskaya st, 450059, Ufa, Republic of Bashkortostan

OKPO Code 12689780

www.fireproff.ru

Director General
Viktor Aleksandrovich Kurbatov

Angelina Solovyova
+7 (917) 42-48-272
Vadim Vladimirovich Lukyanov
+7 (917) 34-25-044
Svetlana Biktasheva
+7 (927) 335-01-56

The first Russian manufacturer of innovative fire-resistant plastic pipes and fittings for the FIREPROFF™ fire extinguishing system.

The company has been working in the field of integrated security of real estate properties on the territory of the Russian Federation for over 20 years, and it has its own design department. Over 370 projects in Russia and the CIS states have been accomplished.

Prioritet, LTD

ulitsa 8 marta, bldg. 4, 456317, Miass, Chelyabinsk Oblast

OKPO Code 49144986

www.prioritetmiass.ru

Director
Sergey Aleksandrovich Ponomarev

Head of Marketing Department
Aleksandr Yurievich Pilipenko
+7 (904) 800-48-00

Prioritet Ltd. is a large car manufacturing plant with a continuous production cycle - from pre-production to issuing ready-made special purpose vehicles. An individual approach to each customer, clear logistics, competent management and marketing decisions, skilled personnel, modern technologies and equipment, quality control at all stages of production operations, maintenance service and after-sales service - all of these things enable us to complete orders of any complexity level in the shortest possible time, and to hold the position of one of the leading players in the Russian special purpose equipment market.

PTS, JSC

Slashchovo village 1, bldg. 1, 142184, Podolsk city district, Moscow Oblast

OKPO Code 38996367

www.pto-pts.ru

Director General
Vladimirovich Zhidkov Khan

Contact person
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PTS JSC is one of the leading Russian developers and manufacturers of personal protective equipment, special equipment and facilities for the units of EMERCOM, Ministry of Defence, Ministry of Internal Affairs, National Guard of Russia, emergency rescue units and various departmental services. The quality of our products is confirmed by certificates under ISO 9001-2011 and GOST RV 0015-002-2012.

Radar mms, RDE, JSC

37, Novoselkovskaya st.,
lit. A, 197375, St. Petersburg St. Petersburg

OKPO Code 11154321

www.radar-mms.com

Director General -
General Designer
Georgy Vladimirovich Antsev

Contact person
Dmitry Sergeevich Ivanov
+7 (812) 777-50-51 ext. 919

Established in 1950, Research and Development Enterprise Radar mms Joint-Stock Company has been one of the global leaders in the field of homing systems for high-precision weapons, military and civil avionics, monitoring and navigation systems, special equipment using microwave and digital technologies, precision instruments industry and complex software for over 65 years. The company's products are used for civil, dual and military purposes, and comply with the requirements of international ISO standards.

Radar mms RDE JSC is one of the leaders in the Russian market of microelectronics and microsystems engineering. The enterprise develops and manufactures products for acoustic electronics and microsystems using nanotechnologies: fire detectors, heat sensors, humidity sensors and strain gauges including the identification within surface acoustic waves (SAW); precision quartz pressure sensors, level gauges and piezometers; SAW-based bandpass filters; dispersive acoustoelectronic delay lines; thin-film and microstrip boards for microwave modules.

RUBEZH, TH, LLC

2nd settlement n.a. Ye.I. Pugachyov, line 4, bldg. 128, lit. A, office 6 (floor 3), 410019, Saratov

OKPO Code 51425959

www.td.rubezh.ru

Director
Anna Vladimirovna Gusarova

Deputy Director for Operation Affairs
Vladimir Vitalievich Zhuravlyov

RUBEZH is the largest manufacturer of technical security systems in Russia and the CIS states. The products are presented in all key segments of the industry: security and fire alarm systems, fire-fighting automation, video surveillance, access control systems, public address and evacuation control systems, and cable products.

SAVETOOL LLC

Karl Marx st., 144001, Elektrostal, Moscow Oblast

OKPO Code 15892412

www.savetool.ru

Director General
Andrey Dmitrievich Klishin

Contact person
Andrey Dmitrievich Klishin
+7 (985) 968-93-80

The private enterprise that develops and manufactures an innovative, high-tech and self-contained rescue tools.

Sibirskiy Arsenal, SPA, LLC

Gorsky microdistrict, 8a., 630073, Novosibirsk

OKPO Code 12690085

www.arsenalnpo.ru

Director General
Leonid Petrovich Satyshev

Contact person
Leonid Natanovich Feldman
+7 (913) 903-6988

For many years, Sibirskiy Arsenal SPA has been one of the leaders of the domestic market in the field of production of a wide range of fire safety products. Sibirskiy Arsenal SPA is experienced with the development of fire detectors, control and monitoring devices, fire warning devices and fire extinguishing control systems. The company develops both wired and radio channel systems. The company has powerful in-house production facilities, covering the full cycle of equipment production - from production of printed circuit boards to casting product housings. Consistent high quality of products is ensured by the quality management system certified for compliance with the ISO 9001 international standard.

Sibirskiy Proekt, PC, LLC

63, Zyryanovskaya st.,
office 404, 630102, Novosibirsk.

OKPO Code 74936504

www.npksp.ru

Director
Daniel Ekbertovich Godman

Contact person
Sergey Aleksandrovich Bragin
+7 (913) 751-55-99

Sibirskiy Proekt Production Company has been operating in the fire safety market for more than 15 years as a manufacturer of fire-fighting equipment, "Uragan" fire-extinguishing modules for modern and efficient automatic fire-extinguishing systems. The experience gained in this area helps to develop complex projects related to automatic fire extinguishing systems at various facilities.

Our activities are aimed at developing automatic fire extinguishing systems and their subsequent installation. Our company produces not only the "Uragan" fire extinguishing modules, but also offers the Customer new progressive fire extinguishing technologies. Among them are patented technologies for large warehouse complexes and logistics depots with a storage height of more than 5.5 m, based on the "Uragan" powder fire extinguishing systems. These automatic fire extinguishing systems were made taking into account the technologies developed jointly with the Academy of State Fire-Fighting Service of EMERCOM of Russia.

Since 2002, Sibirskiy Proekt has been taking part in international exhibitions and fairs in Moscow, St. Petersburg, Novosibirsk, Kemerovo and Novokuznetsk. "Uragan" PEM was awarded gold and silver medals of these exhibitions, and a number of certificates of appreciation.

The company's goal is to create a wide range of fire-fighting equipment, introduce new efficient fire-extinguishing technologies, and provide this extinguishing equipment to organizations and individuals throughout Russia and abroad. Out motto is to be an industry leader!

SNV, LLC

Novaya st., bldg. 51v, lit A, unit N1, 390027,
Ryazan.

OKPO Code 14067396

www.snv62.ru

Director
Natalia Vasilievna Gulyanova

Contact person
Elena Trykina
+7 (4912) 45-16-94

The company manufactures and supplies sensors for security and fire alarm systems.

SOPOT, SPA, LLC

Doroga na Metallostroy, bldg. 5, lit. A, 196641,
Metallostroy town, St. Petersburg

OKPO Code 52142821

www.sopot.ru

Director General
Gennady Nikolaevich Kuprin
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+7 (812) 464-61-45

SPA SOPOT LLC is a patent owner, developer and manufacturer of the latest fire and explosion prevention equipment at fuel and energy complex facilities. The most common products are "Purga" combined fire extinguishing systems with a capacity of 2 to 300 l/s, with an effective range of fire extinguishing agents of up to 120 m. The company is also a designer of a new fire extinguishing agent: fast-hardening foam based on structured silica particles for extinguishing flammable and combustible liquids, solid combustible materials, including explosives and ammunition, forest fires, chemical protection and masking.

"FCDT "Soyuz", FSUE

ulitsa Akademika Zhukova, 42,
140090, Dzerzhinsky, Moscow Oblast.

OKPO Code 7509505

www.fcdt.ru

Director General
Yuri Mikhailovich Milekhin

Contact person
Ya.M. Kaushansky
+7 (495) 551-76-51

FSUE FCDT Soyuz is one of the leading enterprises of the Russian Federation in the field of chemistry and technology of solid propellants, development of power units for missile systems of different appointment, space systems, systems of direct energy conversion, as well as the development of dual-use technologies. Traditionally remaining a manufacturer of the newest defense products, our enterprise from the beginning of the 90-th has been actively developing the conversion activities, creating knowledge-based competitive products for general industrial and civil use based on the dual-use technologies. One of the main developing areas of business of the company in the field of civilian products is the designing innovative fire extinguishing equipment and systems. These products are delivered to the Russian and world markets. FSUE FCDT Soyuz is a developer and manufacturer of the self-contained solid-fuel extinguishing systems UPAT, fire-extinguishing aerosol generators GOA of the MAG and AUPA series, small-sized self-actuating GOAs, manual aerosol fire extinguishing equipment, explosion-suppressing aerosol and gas locks ZAG, automatic fire fighting equipment and systems; it provides services for the design of fire automation systems.

Spectron, TPE, LLC

Lenina st., 2D, 623700, Beryozovsky,
Sverdlovsk Oblast

OKPO Code 67725043

www.spectron-ops.ru

Director General
Yuri Aleksandrovich Kozyrin

Contact person
Elmira Sergeevna Baranova
+7 (343) 379-07-95, ext.103

TPP Spectron LLC is one of the largest manufacturers of industrial and explosion-proof components for fire-fighting systems.

The core business is the development and production of high quality products that ensure early detection and warning of fires to localize fires at an early stage.

Spetsavtomatika, PA, JSC

10, Lesnaya st., 659316, Biysk, Altai Kray,
Russia.

OKPO Code 226827

www.sa-biysk.ru

Director General
Aleksandr Mikhailovich Chudaev

Contact person
Natalia Anatolievna Tronenko
+7 (3854) 44-91-14 (ext. 315).

PA Spetsavtomatika JSC is a Russian company that offers comprehensive solutions for providing facilities with integrated security systems, from site inspection to turnkey operation.

Spetsavtotekhnika, FTP, LLC

Sibirsky trakt, 12, bldg. 8,
office 210 A, 620100, Yekaterinburg.

OKPO Code 49537562

www.zavodsat.ru

Director General
Aleksandr Viktorovich Nikolashkin

Contact person
Elena Aleksandrovna Arbenina
+7 (912) 052-32-52

Spetsavtotekhnika fire engine production plant has been one of the largest manufacturers of fire and rescue equipment in Russia for over 20 years. The plant produces over 100 models of vehicles. The vehicles are produced on any chassis. Customer can choose both standard stock vehicles and order the vehicles according to their needs.

The company has implemented a multi-level quality control over the design and production processes according to ISO 9001:2015 quality system. FTP Spetsavtotekhnika is also an active member of the Chamber of Commerce and Industry of the Russian Federation, which indicates its reliability and stability.

Employees of the company provide a full cycle of customer support - from the moment of receiving an application to delivery of finished products, as well as the entire range of after-sales support of vehicles.

FTP Spetsavtotekhnika is an innovative company. The plant is a designer and manufacturer of a unique innovative product that is unparalleled in Russia, owing to a low cost of use and maintenance. It is a highly efficient NATISK compressed foam fire extinguishing system (fire engines and mobile fire extinguishing systems).

SpetsPozhTech, LLC

Kashirskoe shosse, 3, bldg. 2, unit 9, 115230,
Moscow

OKPO Code 81399550

спецпожтех.рф
www.spt-rus.com

Director General
Vasily Yurievich Shimko

Contact person
Askar Akhmedov
+7 (495) 181-57-71

SpetsPozhTech, was founded in 2007 and currently holds a strong position in the market of fire-fighting equipment. "Sogda" fire barriers and heat shields produced by the company using innovative technology, ensure protection of people and equipment from thermal effects, withstand temperatures of up to 1800°C and reduce heat flux 50 times. The know-how of the products is protected by a number of patents in Russia and abroad, including the USA, Great Britain, France, Germany, Italy, China, Canada and other countries. The unique character of "Sogda": full protection against open flames; unlimited operation time in case of fires; protection of tanks containing LNG and LHG; reduction of the distance between fire hazardous facilities. To date, barriers and shields are widely used in operational units of EMERCOM of Russia, the Ministry of Defense of Russia, and Rosatom State Nuclear Energy Corporation. They are actively used at various facilities of the oil and gas sector of the country, including Gazprom PJSC, Rosneft Oil Company PJSC, Lukoil PJSC, etc.

Spetssystemy, RPC, LLC

Prospekt Pobedy, bldg. 71-V, 170037 Russia, Tver.

OKPO Code 21333071

www.specsystem.ru

Director
Gennady Mikhailovich Karnaukhov

Contact person
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+7 (4822) 327-661

Since 1993, the company has been developing, producing and supplying fire detectors, devices and automatic fire-fighting systems for industrial facilities: power generation, metallurgy, oil and gas processing, food industry, mines, transport and agriculture. The equipment is designed for severe operating conditions: temperature range of from -50°C to +80°C, increased vibration and impacts, electromagnetic and electrostatic interference, dust, moisture, salt fog, corrosive media, including the explosive ones. A modern developing enterprise is a participant in exhibitions and conferences, a supplier of Gazprom JSC and Russian Railways JSC, and a manufacturer of reliable patented equipment.

Fire-Fighting Special Technics, PA, JSC

5, Avtozavodskaya st., Post Office No. 280, PO Box 60, 115280, Moscow, Russia

OKPO Code 88302708

www.paffst. com

Director General
Denis Vyacheslavovich Leleko

Contact person
Ilya Mikhailovich Lubkov
+7 (916) 381-34-85

Tambovmash, JSC

proezd Montazhnikov, 10, 392000, Tambov

OKPO Code 5808014

www.tambovmash.ru

Production Director
L.V. Mechkovsky

Reception office
+7 (4752) 63-68-12

Tambovmash JSC is an industrial enterprise for manufacturing RPE, founded on March 17, 1944. At the beginning of its activity, the plant produced chemical equipment and spare parts for it, and since 2009 it switched to the production of industrial filtering, isolating gas masks, respirators and accessories.

Tambov Experimental Design and Technical Bureau, JSC

Morshanskoe shosse 17 A, 392000, Tambov
OKPO Code 04872665
www.oktbtambov.ru

Director General
Mikhail Mikhailovich Aristokesyan
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+7 (4752) 56-08-14

TENZOR, JSC

2, Priborostroiteley st., 141980, Dubna, Moscow Oblast

OKPO Code 08625834

www.tenzor.net

Director General
Viktor Alekseevich Golubev

Commercial Director
Konstantin Zurabovich Rukhadze +7 (495) 745-86-31 ext. 1203, +7 (496) 217-03-88

Instrument Plant TENSOR JSC was founded in 1968 by the Ministry of Medium-scale Machine Building and began its production activity in 1973. Over the years of its activity, the plant has mastered the production of a large range of instruments and equipment for automation and control of nuclear industry enterprises, physical and fire protection systems. Today TENZOR is a group of companies with developed design and production facilities, and a highly qualified team; the significant upgrading of process equipment has been carried out and production capacities have been increased.

The main activities of the company are the production of integrated physical and fire protection systems, automation systems for technological processes designed to equip critical facilities, the implementation of system integration, the development of design estimates, construction, installation and commissioning work including turnkey facilities.

The company carries out the full life cycle of the manufactured equipment, including warranty maintenance and repair, upgrading, training in the rules of operation and use of products and systems, which is especially important for customers that require support of operation and use of equipment for more than 10 years.

TEKHNOLITU, SPA, LLC

Vitebsky pr., 11, lit. C, office 2010, 196105, St. Petersburg 2010.

OKPO Code 32525951

Director General
Anton Valerievich Selyutin

Contact person
Vladimir Andreevich Andreev
+7 (921) 993-22-82

Tekhnologii Livnevogo Tushenia SPA LLS is a developer, manufacturer and supplier of a unique Russian innovative fire extinguishing system based on an improved fire extinguishing principle using low pressure water spray (LP WS) (up to 1.5 MPa) and medium pressure water spray (MP WS) (up to 3, 0 MPa).

TIZOL, JSC

59, Malysheva st., 624223,
Nizhnyaya Tura, Sverdlovsk Oblast

OKPO Code 08621635

www.tizol.com

Director
Mikhail Grigorievich Mansurov

Contact person
Evgeny Borisovich Kuznetsov
+7 (34342) 2-62-70

TIZOL is one of the recognized leaders in the production of basalt-based non-combustible heat and sound insulation materials, structural fire protection systems, technical insulation, civil and military shipbuilding insulation.

Trombonm, SOUE, LLC

1, Skladochnaya st., bldg. 1, office 1720,
127018, Moscow.

OKPO Code 37845583

www.trombon.org

Director General
Vladimir Mikhailovich Ovchinnikov

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Tatiana Burgart
+7 (495) 787-75-67 ext.111

SOUE Trombon is a modern Russian production facility that has made it possible to create a high-quality warning system. An effective combination of innovative technological ideas and a modern Russian production facilities.

The company has over 20 years of experience in creating and implementing evacuation management systems.

Today, the developments of Trombon engineers are fully adapted to solving the most difficult problems in emergency situations, and production control maintains a high level of quality and reliability of equipment.

UNICHIMTEK SPA JSC

2, Zavodskaya st., bldg. 121, 142181,
microdistrict Klimovsk, Podolsk, Moscow Oblast

OKPO Code 75250588

www.unichimtek.ru
www.ograx.ru

Director General
Yekaterina Petrovna Borisova

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+7 (910) 454-12-73

One of the first Russian manufacturers of fire retardant materials. UNIKHIMTEK SPA JSC was founded in 1990 based on the research facilities of the Moscow State University n.a. M.V. Lomonosov.

For over 28 years we have been developing, producing and supplying Ograx fire retardant materials for industrial and civil facilities, as well as providing services in the field of design, designer supervision and performance of fire-retardant work.

The in-house design department and a staff of highly qualified specialists in the application of fire retardant materials with an equipment stock to carry out work in any region.

Investigation of fire protection coating systems with various primers and finishing materials for compatibility, carrying out annealing in a certified furnace.

Prompt coating of test areas, training and inspection control.

High production capacity (more than 7000 tons of materials annually).

Extensive reference list of civil and industrial facilities.

UralPozhTekhVooruzhenie, LLC

Turgoyakskoe Shosse, 11/64, office 4, 456313,
Miass, Chelyabinsk Oblast.

OKPO Code 05277114

www.uralptv.ru

Director
Pavel Aleksandrovich Sergeev

Contact person
Ivan Aleksandrovich Eryomin
+7 (925) 91-911-01

UralPozhTekhVooruzhenie LLC is a dynamically developing company with vast experience in the field of fire safety. One of the successfully developing areas of the company's activity is the production of its own product line of fire-fighting equipment: device for monitoring the location of fire-fighters and rescuers "Poisk-M", luminescent guide cable for the GSPT unit "Labirint", and developing the in-house fire detectors is under way.

UralPOZHTEKHNIKA, JSC

Turgoyakskoe Shosse, 20a, 456313, Miass, Chelyabinsk Oblast

OKPO Code 21621628

www.uralpt.ru

Director
Vadim Nikolaevich Blinov

Contact person
Oleg Borisovich Pyankov
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UralPOZHTEKHNIKA JSC was founded in 1994. The developer, manufacturer and supplier of a wide range of fire-fighting equipment based on chassis KAMAZ, Ural, VOLVO, MAN, IVECO, and fire-fighting equipment.

TsENPiST LLC

PO Box 814, 452755, Tuymazy, Republic of Bashkortostan, Russia

OKPO Code 18002117

www.cenpist.ru

Director General
Andrey Aleksandrovich Gushchin

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+7 (34782) 2-79-30
+7 (34782) 2-79-11

CPA n.a. V.I. Chapaev, JSC

Sotsialisticheskaya st., bldg. 1, 428006, Cheboksary

OKPO Code 24322978

www.chapaew.ru

Executive Director
Mikhail Sergeevich Reznikov

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Joint-Stock Company "Cheboksary production association n.a. V.I. Chapaev" is a diversified enterprise that produces over 1000 items of various types of products, including for defense purposes, which includes pyrotechnic, mechanical rubber goods and other manufacturing facilities.

ENERGOCONTRACT, FPG, JSC

Arbat Business Centre, 9 Karmanitskiy per., office 707, 119002, Moscow, Russia

OKPO Code 56615498

www.energocontract.ru

Director General
Alexey Mikhailovich Melnikov

Contact person
Natalia Sergeevna Enns
+7 (911) 087-90-73

The Energocontract Group of Companies is a leading Russian developer and manufacturer of high-tech personal protective equipment (PPE) to protect against thermal risks. For over 25 years, the main task of the Energocontract Group of Companies has been to ensure the safety of employees of Russian and foreign enterprises in various industries. The company's products are now used in more than 20 countries around the globe. The Energocontract Group of Companies has its own research and production complex, a weaving enterprise and a logistics center in Moscow Oblast, where an almost full cycle of personal protective equipment development is carried out - from the development of materials and weaving to tailoring finished products. Combining all processes into one process chain allows monitoring production at all stages. This approach guarantees the safety and reliability of products. The company's specialists pay special attention to the introduction of new technologies and the continuous study of trends in the global workwear market to offer the state-of-the-art, efficient and comfortable protective clothing. Among the developments of the Energocontract Group of Companies is the Russia's first completely fire-resistant turnout gear for firefighters and other unique developments.

Eridan, JSC

12, Lenina st.,
Beryozovsky, Sverdlovsk Oblast

OKPO Code 43082497

www.eridan.ru

General Manager
Mikhail Dmitrievich Chistyakov

Contact person
Aleksandr Vladimirovich Volynkin
+7 (343) 351-05-07, ext.113

Production of equipment for fire alarm systems and video surveillance systems for hazardous areas and general industrial operating conditions.

Engineering centre FR, LLC

Zavodskaya st. (Northern Industrial Area district), bldg. 4, 185031, Petrozavodsk, Republic of Karelia, Russia

OKPO Code 16820082

www.firerobots.ru

Director General
Sergei Georgievich Nemchinov

Contact person
Natalia Aleksandrovna Rulko
+7 (8142) 77-49-23 ext. 111

FR Engineering Centre of Fire Robots Technology LLC has been operating since 1984, represents an innovative enterprise and specializes in the development and production of fire robots and robotized fire extinguishing systems, fire monitors and hand nozzles. The FR products are widely used in integrated fire protection systems for large industrial buildings and structures, at oil and gas industry facilities, as well as on mobile fire-fighting equipment: fire engines, fire tanks and fire boats. Products are supplied to facilities in Russia, the CIS states, the EU and China. The company is certified for compliance with the ISO 9001 international quality standard.

"EHMZ named after N.D. Zelinsky" OJSC

Karl Marx st., bldg. 1, 144001, Elektrostal,
Moscow Oblast

OKPO Code 05754293

www.zelinskygroup.com

Executive Director
Anton Vladimirovich Nechaev

+7 (499) 638-36-21

EHMZ named after N.D. Zelinsky OJSC is a founder of the industry of protective equipment in the USSR. Since 1937, the plant has been a partner of Ministries and major state corporations.

The area of business is the design and production of high-quality products and technologies that guarantee environmental protection, labor protection and protection of people from negative effects. Our products helps to prevent and eliminate the consequences of industrial accidents and natural disasters.

Yarpozhinvest, LLC

PO Box 33, 150034, Yaroslavl Oblast, Yaroslavl.

OKPO Code 61192961

www.yarpojinvest.ru

Director General
Andrey Olegovich Voronov

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Yarpozhinvest LLC was founded as a manufacturer of fire-fighting equipment in 2004 in the city of Yaroslavl. The enterprise produces carbon dioxide, powder, mechanical foam, air-emulsion fire extinguishers, extinguishing powders for general and special purposes, as well as supports, brackets and fire-fighting equipment. More than 5 million fire extinguishers of various types, designs and sizes are annually supplied to the markets of 11 countries.

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E-Sprinkler Oy is a Finnish company engaged in the production and distribution of fire protection products

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