

SureFIRE Doping-2.02**Condensed Aerosol Fire Extinguishing Generator. SureFIRE Doping-2.02.**

Generator Mass: 0,14 kg.
Aerosol Mass: 0,02 kg.
Diameter: 65 mm.
Length: 38 mm.
Initiation Current: 0,7 A.
Protected Volume: 0,2 m3.
Operation/Storage Temperature: -50... +95 C.

Type of Discharge: circle.

Distance from the end of the generator to the point of the correspondent standard temperature:
400°C - no data, 200°C – 0,011 m; 75°C – 0,04 m.

Service Life: 15 years.

The Generator for protection of enclosed rooms: electrical cabinets, computers, TV sets.

SureFIRE Doping-2.160**Condensed Aerosol Fire Extinguishing Generator.****SureFIRE Doping-2.160.**

Generator Mass: 1,45 kg.
Aerosol Mass: 0,16 kg.
Diameter: 79 mm.
Length: 150 mm.
Initiation Current: 0.4 A-0.7 A.
Protected Volume: 2 m3.

Operation/Storage Temperature: -50... +95 C.

Type of Discharge: axial.

Distance from the end of the generator to the point of the correspondent standard temperature:
400°C – 0.24 m; 200°C – 0.52 m; 75°C – 1.04 m.

Service Life: 15 years.

The Generator for protection of enclosed rooms: engine and baggage compartments of vehicles (road, rail, water, etc.) electrical cabinets, safes, vault wealth, etc.

SureFIRE Doping-2.200.

Condensed Aerosol Fire Extinguishing Generator. SureFIRE Doping-2.200.



Generator Mass: 1,8 kg.
 Aerosol Mass: 0.200 kg.
 Diameter: 75 mm.
 Length: 189 mm.
 Initiation Current: 0.4 A – 0.7 A.
 Protected Volume: 2,5 m³.
 Operation/Storage Temperature: -50...+95 C.
 Type of Discharge: axial.

Distance from the end of the generator to the point of the correspondent standard temperature:
 400°C – 0,20 m; 200°C – 0,40 m; 75°C – 0,80 m.

Service Life: 15 years.

The Generator for protection of enclosed rooms: electrical cabinets, engine rooms, vehicles.

SureFIRE Doping-1R.100

Condensed Aerosol Fire Extinguishing Generator. SureFIRE Doping-1R.100.



Generator Mass: 1,00 kg.
 Aerosol Mass: 0,10 kg.
 Diameter: 42 mm.
 Length: 246 mm.
 Initiation Current: 0.4 A - 0,7 A.
 Protected Volume: 1,25 m³.
 Operation/Storage Temperature: -50...+95 C.

Type of Discharge: radial.

Distance from the surface of the generator to the point of the correspondent standard temperature:
 400°C - 0,01 m, 200°C - 0,06 m, 75°C – 0,45 m.

Service Life: 15 years.

- The Generator for protection of enclosed rooms: electrical cabinets, engine rooms, vehicles.

SureFIRE Doping- 2R.100

Condensed Aerosol Fire Extinguishing Generator. SureFIRE Doping-2R.100.



- Generator mass: 1,17kg
- Aerosol forming compound mass: 0,100 kg
- Diameter: 75 mm
- Length: 108 mm
- Initiation device can be electrical or thermal.
- Initiation Current: 0,4 A - 0,7 A
- Protected volume: 1,25 cube meters
- Operation/Storage Temperature: -50 °C...+95 °C
- Type of discharge : radial
- Distance from the surface of the generator to the point of the correspondent standard temperature:
 - 400°C – 0, 02 meter; 200°C – 0, 08 meter; 75°C – 0,52 meter
- Service Life: 15 years.
- The Generator for protection of industrial and storage facilities as well as in engine compartment and other spaces in various transport vehicles such as river and sea vessels, railway locomotives, transformer plants and etc.

SureFIRE Doping-2R.200

Condensed Aerosol Fire Extinguishing Generator. SureFIRE Doping-2R.200.



- Generator Mass: 1,70 kg.
- Aerosol Mass: 0,20 kg.
- Diameter: 79 mm.
- Length: 167 mm.
- Initiation device can be electrical, thermal and combined.
- Initiation Current: 0.4 A - 0,7 A.
- Protected Volume: 2,5 m3.
- Operation/Storage Temperature: -50 °C...+95 °C.
- Type of Discharge: radial.

Distance from the surface of the generator to the point of the correspondent standard temperature:

400°C - 0,02 m, 200°C - 0,08 m, 75°C – 0,52 m.

Service Life: 15 years.

The Generator for protection of enclosed rooms: electrical cabinets, engine rooms, vehicles.

Condensed Aerosol Fire Extinguishing Generator. SureFIRE Doping-2R.400.



- Generator Mass: 3,10 kg.
- Aerosol Mass: 0,40 kg.
- Diameter: 75 mm.
- Length: 292 mm.
- Initiation device can be electrical, thermal and combined.
- Initiation Current: 0.4 A-0,7 A.
- Protected Volume: 5,0 m3.
- Operation/Storage Temperature: -50...+95 C.
- Type of Discharge: radial.

Distance from the surface of the generator to the point of the correspondent standard temperature:

400°C - 0,02 m, 200°C - 0,08 m, 75°C – 0,52 m.

Service Life: 15 years.

The Generator for protection of enclosed rooms: electrical cabinets, engine rooms, vehicles.

SureFIRE Doping-4R.800

Condensed Aerosol Fire Extinguishing Generator. SureFIRE Doping-4R.800



- Generator mass: 5,5kg
- Aerosol forming compound mass: 0,800 kg
- Diameter: 105 mm
- Length: 292 mm
- Initiation device can be electrical or thermal.
- Initiation Current: 0,4 A - 0,7 A
- Protected volume: 5,7 cube meters
- Operation/Storage Temperature: -50 °C...+95 °C
- Type of discharge: radial

The Generator for protection of industrial and storage facilities as well as in engine compartment and other spaces in various transport vehicles such as river and sea vessels, railway locomotives, transformer plants and etc.

- Distance from the surface of the generator to point of correspondent standard temperature:
- 400 °C – 0,17 meter; 200 °C – 0, 2 meter; 75 °C – 0, 4 meter
- Service Life: 15 years.

SureFIRE Doping-2E.160

Condensed Aerosol Fire Extinguishing Generator. SureFIRE Doping-2E.160



- Generator mass: 1,4kg
- Aerosol forming compound mass: 0,160 kg
- Diameter: 90 mm
- Length: 198 mm with a bracket
- Initiation device can be electrical or thermal.
- Initiation Current: 0,4 A - 0,7 A
- Protected volume: 5,7 cube meters

- Operation/Storage Temperature: - 50 °C...+95 °C
- Type of discharge: conical
- Distance from the surface of the generator to the point of the correspondent standard temperature:
 - 400°C – 0, 05 meter; 200°C – 0, 17 meter; 75°C – 0, 95 meter
- Service Life: 15 years.
- The Generator for protection of industrial and storage facilities as well as in engine compartment and other spaces in various transport vehicles such as river and sea vessels, railway locomotives, transformer plants and etc.

SureFIRE Doping-2E.225

Condensed Aerosol Fire Extinguishing Generator. SureFIRE Doping-2E.225



- Generator mass: 1,4 kg
- Aerosol forming compound mass: 0,230 kg
- Diameter: 90 mm
- Length: 203 mm
- Initiation device can be electrical or thermal.
- Initiation Current: 0,4 A - 0,7 A
- Protected volume: 8.0 cube meters

- Operation/Storage Temperature: - 50 °C...+95 °C
- Type of discharge: conical
- Distance from the surface of the generator to the point of the correspondent standard temperature:
 - 400°C – 0, 17 meter; 200°C – 0, 35 meter; 75°C – 0, 9 meter
- Service Life: 15 years.
- The Generator for protection of industrial and storage facilities as well as in engine compartment and other spaces in various transport vehicles such as river and sea vessels, railway locomotives, transformer plants and etc.

SureFIRE Doping-4.500

Condensed Aerosol Fire Extinguishing Generator. SureFIRE Doping-4.500.



Generator Mass: 4.00 kg.

Aerosol Mass: 0,50 kg.

Diameter: 105 mm.

Length: 242 mm.

Initiation device can be electrical, thermal and combined.

Initiation Current: 0.4 A - 0,7 A.

Protected Volume: 8 m³.

Operation/Storage Temperature: -50...+95 C.

Type of Discharge: axial.

Distance from the end of the generator to the point of the correspondent standard temperature:

400°C – 0,32 m; 200°C – 0,74 m; 75°C – 2,6 m.

Service Life: 15 years.

The Generator for protection of enclosed rooms: engine and baggage compartments of vehicles (road, rail, water, etc.), the room with the presence of flammable substances, including flammable liquids and combustible gases, electrical cabinets, safes, vault wealth, etc.

SureFIRE Doping-5.1000

Condensed Aerosol Fire Extinguishing Generator. SureFIRE Doping-5.1000.



Generator Mass: 6.65 kg.

Aerosol Mass: 1,00 kg.

Diameter: 117 mm.

Length: 289 mm.

Initiation device can be electrical, thermal and combined.

Initiation Current: 0.4 A - 0,7 A.

Protected Volume: 15 m³.

Operation/Storage Temperature: -50...+95 C.

The Generator for protection of enclosed rooms: engine and baggage compartments of vehicles (road, rail, water, etc.), the room with the presence of flammable substances, including flammable liquids and combustible gases, electrical cabinets, safes, vault wealth, etc.

Distance from the end of the generator to the point of the correspondent standard temperature:

400°C – 0,36 m; 200°C – 0,805 m; 75°C – 2,81 m.

Service Life: 15 years.

SureFIRE TOR-0.02A

Condensed Aerosol Fire Extinguishing Generator. SureFIRE TOR-0.02A.



- Operation/Storage temperature: -50 °C...+95 °C.
- Type of discharge: axial.
- Service Life: 15 years.
- The Generator for protection of enclosed rooms: electrical cabinets, computers, TV sets.
- Generator mass: 0,05 kg.
- Aerosol forming compound mass: 0,008 kg.
- Diameter: 65 mm.
- Length: 35 mm.
- Initiation device: thermal.
- Protected volume: 0,2 m3.

SureFIRE TOR-1000

Condensed Aerosol Fire Extinguishing Generator. SureFIRE TOR-1000.



- Generator mass: 3,1kg
- Aerosol forming compound mass: 1,0 kg
- Diameter: 240 mm
- Height: 57 mm
- Initiation device can be electrical or thermal.
- Initiation Current: 0,4 A - 0,7 A
- Protected volume: 45,45 cube meters
- Operation/Storage Temperature: -50 °C...+95 °C
- Type of discharge: circular
- Distance from the surface of the generator to the point of the correspondent standard temperature:
- 400 °C – 0, 14 meter; 200 °C – 0, 28 meter; 75 °C – 0, 75 meter
- Service Life: 15 years.
- The Generator for protection of industrial and storage facilities as well as in engine compartment and other spaces in various transport vehicles such as river and sea vessels, railway locomotives, transformer plants and etc.

SureFIRE TOR-1400

Condensed Aerosol Fire Extinguishing Generator. SureFIRE TOR-1400.



- Generator mass: 3,6kg
 - Aerosol forming compound mass: 1,4 kg
 - Diameter: 240 mm
 - Height: 69 mm
 - Initiation device can be electrical or thermal.
 - Initiation Current: 0,4 A - 0,7 A
 - Protected volume: 63,63 cube meters
 - Operation/Storage Temperature: -50 °C...+95 °C
- Type of discharge: circular
 - Distance from the surface of the generator to the point of the correspondent standard temperature:
 - 400°C – 0, 14 meter; 200°C – 0, 28 meter; 75°C – 0, 75 meter
 - Service Life: 15 years.
 - The Generator for protection of industrial and storage facilities as well as in engine compartment and other spaces in various transport vehicles such as river and sea vessels, railway locomotives, transformer plants and etc.

SureFIRE TOR-1500

Condensed Aerosol Fire Extinguishing Generator. SureFIRE TOR-1500.



- Generator mass: 7,30 kg.
 - Aerosol forming compound mass: 1,50 kg.
 - Diameter: 240 mm.
 - Length: 400 mm.
 - Initiation device can be electrical, thermal and combined.
 - Initiation current: 0,4 A - 0,7 A.
 - Protected Volume: 34,0 m3.
 - Operation/Storage temperature: -50 °C...+95 °C.
- Type of discharge: bidirectional
 - Distance from the end of the generator to the point of the correspondent standard temperature:
 - 400°C - no data; 200 °C – 0,30 m; 75 °C – 1,85 m.
 - Service life: 15 years.
 - The Generator for protection of industrial and storage facilities as well as engine rooms of vehicles, boats and ships.

SureFIRE TOR-2800 Condensed Aerosol Fire Extinguishing Generator.

SureFIRE TOR-2800.



- Generator mass: 5,5kg
- Aerosol forming compound mass: 2,8 kg
- Diameter: 240 mm
- Height: 110 mm
- Initiation device can be electrical or thermal.
- Initiation Current: 0,4 A - 0,7 A
- Protected volume: 127,00 cube meters
- Operation/Storage Temperature: -50 °C...+95 °C
- Type of discharge: circular
- Distance from the surface of the generator to the point of the correspondent standard temperature:
 - 400 °C – 0, 14 meter; 200 °C – 0, 28 meter; 75 °C – 0, 75 meter
- Service Life: 15 years.
- The Generator for protection of industrial and storage facilities as well as in engine compartment and other spaces in various transport vehicles such as river and sea vessels, railway locomotives, transformer plants and etc.

SureFIRE TOR-2800OU

Condensed Aerosol Fire Extinguishing Generator. SureFIRE TOR-2800 OU.



- Generator mass: 5,5kg
- Aerosol forming compound mass: 2,8 kg
- Diameter: 240 mm
- Height: 107 mm
- Initiation device can be electrical or thermal.
- Initiation Current: 0,4 A - 0,7 A
- Operation/Storage Temperature: -50 °C...+95 °C
- Type of discharge: circular
- Protected volume: 127,00 cube meters
- Distance from the surface of the generator to the point of the correspondent standard temperature:
 - 400 °C – 0, 14 meter; 200 °C – 0, 28 meter; 75 °C – 0, 75 meter
- Service Life: 15 years.

The Generator for protection of industrial and storage facilities as well as in engine compartment and other spaces in various transport vehicles such as river and sea vessels, railway locomotives, transformer plants and etc.

SureFIRE TOR-3000

Condensed Aerosol Fire Extinguishing Generator. SureFIRE TOR-3000.



- Generator mass: 12,30 kg.
- Aerosol forming compound mass: 3,00 kg.
- Diameter: 310 mm.
- Length: 500 mm.
- Initiation device can be electrical, thermal and combined.
- Initiation current: 0,4 A - 0,7 A.
- Protected volume: 60,0 m³.
- Operation/Storage temperature: -50 °C...+95 °C.
- Type of discharge: bidirectional.
- Distance from the end of the generator to the point of the correspondent standard temperature:
 - 400°C - no data; 200°C – 0,53 m; 75°C – 2,50 m.
- Service life: 15 years.
- The Generator for protection of industrial and storage facilities, engine rooms of vehicles, boats and ships.

SureFIRE TOR-3500

Condensed Aerosol Fire Extinguishing Generator. SureFIRE TOR-3500.



- Generator mass: 7,2kg
- Aerosol forming compound mass: 3,5 kg
- Diameter: 240 mm
- Height: 126 mm
- Initiation device can be electrical or thermal.
- Initiation Current: 0,4 A - 0,7 A
- Protected volume: 159,00 cube meters
- Operation/Storage Temperature: -50 °C...+95 °C
- Type of discharge: circular
- Distance from the surface of the generator to the point of the correspondent standard temperature:
 - 400°C – 0, 14 meter; 200°C – 0, 28 meter; 75°C – 0, 75 meter
- Service Life: 15 years.

The Generator for protection of industrial and storage facilities as well as in engine compartment and other spaces in various transport vehicles such as river and sea vessels, railway locomotives, transformer plants and etc.

SureFIRE TOR-6300

Condensed Aerosol Fire Extinguishing Generator. SureFIRE TOR-6300.



Generator Mass: 23,60 kg.

Aerosol Mass: 6,30 kg.

Diameter: 377 mm.

Length: 500 mm.

Initiation device can be electrical, thermal and combined.

Initiation Current: 0.4 A - 0,7 A.

Protected Volume: 105,0 m3.

Operation/Storage Temperature: -50...+95 C.

Type of Discharge: bidirectional.

Distance from the end of the generator to the

point of the correspondent standard temperature:
200 C – 1,40 m; 75 C – 4,00 m.

Service Life: 15 years.

The Generator for protection of enclosed rooms: engine rooms, vehicles, boats.

SureFIRE Automatic System for Vehicles



**SureFIRE AUTOMATIC FIRE DETECTION AND
EXTINGUISHING
SYSTEM FOR VEHICLES**

PURPOSE

For automatic detection of high temperature, fire and fire extinguishing.

The linear heat detectors and automatic fire extinguishers should be mounted in the protected rooms. If the temperature in the rooms is increased (fire) the system makes sound and luminous signals.

The driver stops the vehicle and makes evacuation of passengers. The fire extinguishers are actuated automatically or in hand regime by the driver that presses the start button.

Consist of the System:

Device of control (mark SureFIRE BSU-0.2M-01) with functions of integrity of loops of heat detectors and extinguishers, sound and luminous control and the device of actuation of extinguishers by the driver in hand mode.

Fire detectors with the thresholds: + 87 C – in the room of a heater of the liquid engine and + 138 C in the engine room.

Condensed Aerosol Generators SureFIRE Doping-2TR or Impulse Dry Powder Generators SureFIRE BURAN-0.5.

Device of Control (mark BSU-0.2M-01).



The device is intended to inform the driver on emergency temperature or fire in the protected rooms and directional actuation fire extinguishers by pressing of the button by the driver or automatically.

Voltage	12...30 v
Electric current in stand-by mode	60 ma
Temperature range of exploitation	-40...+85 C
Number of fire detector channels	4
Number of channels for fire extinguishing	4
Reaction time of fire detector	5 msec
Maximum electric current of a channel for fire extinguishing	8 A
Maximum electric current of a control circuit	5 ma
Maximum level of sound signal	4 db
Weight of the device	0,4 kg

Linear Heat Fire Detector.



The detector is intended for temperature control in protected rooms of vehicles. The detector should be placed in an upper part of the protected room. The detector is in oil-petrol-resistant version.