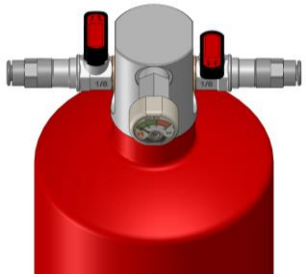
DLP SYSTEMS

Valves 116 and 118



Valves 126 and 128

Basic system

IN CASE OF FIRE

The system actuates automatically when fire or extreme heat is detected.

Indications:

- needle on the pressure gauge points to zero
- BlazeTube is ruptured

System with a pressure switch

Beacon or siren

IN CASE OF FIRE

The system actuates automatically when fire or extreme heat is detected.

Indications:

- needle on the pressure gauge points to zero
- BlazeTube is ruptured
- beacon or siren turns on

System with an alarm panel

Alarm Panel AAP310

IN CASE OF FIRE

The system actuates automatically when fire or extreme heat is detected.

Indications:

- needle on the pressure gauge points to zero
- BlazeTube is ruptured
- constantly lit RED light on the AAP310 and
- constant beep for 120 seconds

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FAULT STATES

Indications:

1. needle on the pressure gauge is in a red zone between zero and green zone
2. needle on the pressure gauge is in a red zone between green zone and 28

Reasons:

1. low pressure in the system
2. high pressure in the system

WORKING ORDER

Indications:

- needle on the pressure gauge is in a green zone

Reasons:

- all active components are working correctly and pressure in the system is optimal

FAULT STATES

Indications:

1. needle on the pressure gauge is in a red zone between zero and green zone
2. needle on the pressure gauge is in a red zone between green zone and 28

Reasons:

1. low pressure in the system
2. high pressure in the system

WORKING ORDER

Indications:

- needle on the pressure gauge is in a green zone

Reasons:

- all active components are working correctly and pressure in the system is optimal

FAULT STATES

Indications:

1. needle on the pressure gauge is in a red zone between zero and green zone

2. needle on the pressure gauge is in a red zone between green zone and 28
3. constantly lit ORANGE light on the AAP310 and beep 1x per 2 sec.

Reasons:

1. low pressure in the system
2. high pressure in the system
3. component is disconnected or
3. component is faulty

WORKING ORDER

Indications:

- needle on the pressure gauge is in a green zone
- constantly lit GREEN light on the AAP310

Reasons:

- all active components are working correctly and pressure in the system is optimal

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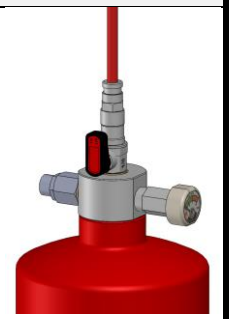
OTHER STATES	OTHER STATES	OTHER STATES
		Indications: ▪ no light indication and sound indication **Reasons:** ▪ the alarm panel could be without power or with a malfunction; ▪ other unmentioned states.

DAILY SYSTEM CHECKS

During inspection of pressure, the ball valve on the cylinder valve must be open to inspect pressure in the system correctly (like during regular operation of the system).

1. Check the system pressure on the pressure gauge situated on the cylinder valve or on the end-of-line adapter.
2. Visually inspect the system: check for loose and/or damage to cylinder assembly, brackets, detection, wiring, etc.
3. Connection between the pressure switch and the alarm panel. (if used)
4. Connection between the pressure switch and a beacon or a siren. (if used)

Open ball valves



Open ball valve

CLEANING AFTER SYSTEM ACTIVATION

During the cleaning process always wear appropriate protective glasses, breathing mask, suitable protective gloves and clothes.

Enter the protected area only after the system operation is finished.

Unless absolutely necessary (e.g., fire is still present and it is necessary to use a portable fire extinguisher), enter the protected area only after it has been properly ventilated and cooled off and make sure that entry is safe.

CLEAN AGENT – HFC-227ea, FK-5-1-12	POWDER AGENT
Extinguishing agent does not leave residue. Ventilate the protected enclosure properly, do not interfere with or work in the area before ventilation.	After the system has activated clean the protected areas as soon as possible preferably by vacuuming the powder or by blowing the powder with air. Try to remove as much powder as possible from affected area to prevent the powder from absorbing moisture and causing corrosion on metal components.

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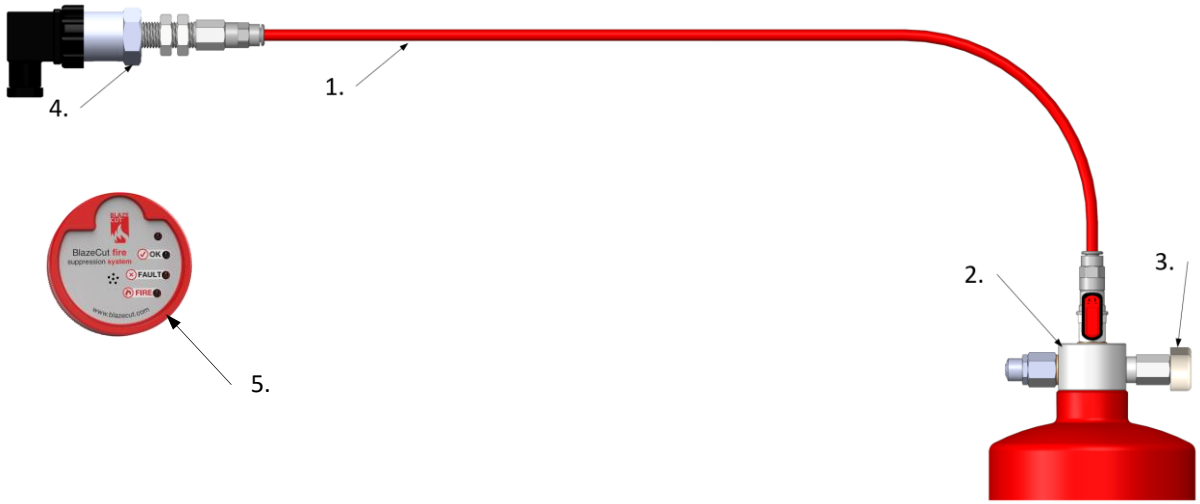
SYSTEM OVERVIEW

System components:

1. Detection tubing BlazeTube
2. Cylinder assembly with the extinguishing agent
3. Pressure gauge
4. Pressure switch
5. Alarm Panel AAP310 with visual and audio signalling
6. Electrical wires

Extinguishing system components and their layout depend on the specific application.



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