



AUTOMATIC FIRE SUPPRESSION SYSTEMS DIRECT LOW PRESSURE SYSTEMS (DLP)

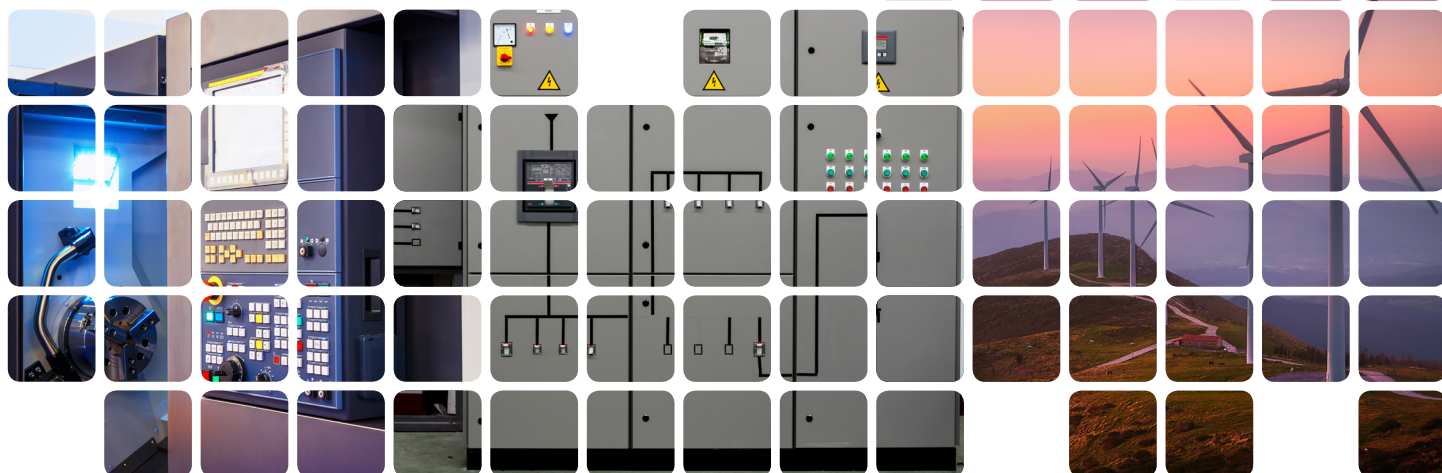
BLAZECUT C-SERIES DLP SYSTEMS

C-SERIES ADVANTAGES

- Novec™ 1230 (FK-5-1-12) clean agent
- Suitable for Class A, Class B, and Class C fires
- Zero ozone depletion potential (ODP)
- Global warming potential (GWP) of less than 1
- Cylinders are available in 1.25, 2.5, and 5 kg sizes

TYPICAL APPLICATIONS

- CNC Machines
- Server Racks
- Electrical Cabinets
- Fume Cabinets
- Generator Enclosures
- Telecom Tower Shelters
- Ventilation Devices
- Elevator Engines



TECHN SWITCH
FIRE DETECTION & SUPPRESSION



INDOOR PROTECTION

The BlazeCut C-Series systems provide automatic fire suppression systems for indoor protection.

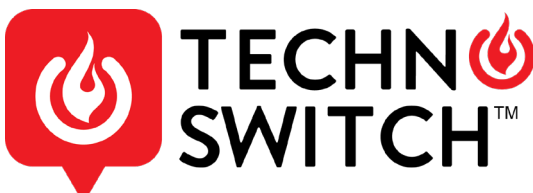
The systems operate with Novec™ 1230 (FK-5-1-12) clean agent, the ideal choice to protect sensitive devices because it leaves no residues after extinguishing. The agent is completely non-corrosive, electrically non-conductive, safe for people, and suitable for Class A, Class B, and Class C fires. It also has zero ozone depletion potential (ODP) and a global warming potential (GWP) of less than one.

System operation is based on a pneumatic detection tubing technology that is sensitive to high temperatures. The pneumatic tube is pressurised with nitrogen to 15 bar, and when a fire occurs, the heat build-up causes the tube to burst at approximately 170 °C, which releases the suppressant.

The C-Series system is a direct low pressure (DLP) system and operates automatically and independently of any power supply, a key advantage because it functions effectively and suppresses fire even when the area is unoccupied.

Cylinders are available in 1.25, 2.5, and 5 kg sizes.

With the addition of a pressure switch, the system can be monitored for leaks or activation by connection to a third-party fire detection control panel.



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NOVEC™ 1230 (FK-5-1-12) EXTINGUISHING AGENT

Novec 1230 fluid is a next-generation halon and HFC replacement designed to address concerns for human safety, performance and the environment.

Novec 1230 is stored as a liquid; however, it turns into gas upon discharge. The fluid combines the key features of HFC gases with sustainable clean agent protection.

MAIN FEATURES

- Zero ODP (ozone depletion potential)
- A global warming potential of less than one
- A five-day atmospheric lifetime
- A large margin of safety for occupied spaces
- FM approved & UL recognised

APPLICATION

Novec 1230 is a clean agent that leaves no residues and will not affect sensitive electronics and devices. It is an ideal choice for the environment due to a significant reduction in greenhouse gas emissions. The agent is suitable for Class A, Class B, and Class C fires.



DIRECT LOW PRESSURE SYSTEMS (DLP)

A DLP fire suppression system operates by detecting fire and applying the agent using a detection tube fastened to a cylinder valve. The detection tube is placed in the protected enclosure and is under constant pressure. When a fire occurs, the temperature increase will cause the detection tube to burst, and the agent will be released. The operation of the DLP system is independent of any electrical supply, which is a significant advantage.

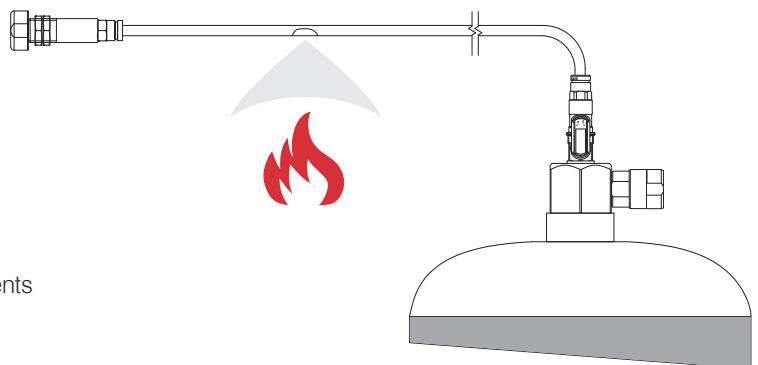
The DLP system is suitable for smaller applications and combines easy installation with simple operation.

KEY FEATURES

- Activation and distribution of the agent is managed through the detection tube
- Suitable for small, compact environments
- Operates independently of any power supply
- Easy installation and maintenance
- Supplied as a ready-to-install kit
- Optional monitoring of the system via pressure switch

ADVANTAGES

- Cost-effective
- Automatic operation without any power supply
- Fast detection and high extinguishing efficiency
- Easy installation
- Low maintenance costs
- Easily adaptable to any enclosure type
- Long operation life-span
- Designed to sustain harsh environments
- Environmentally friendly and harmless extinguishing agents
- Safe for people

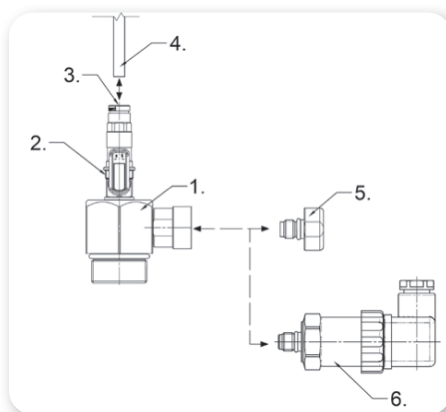




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OUTLET SYSTEM OPTIONS

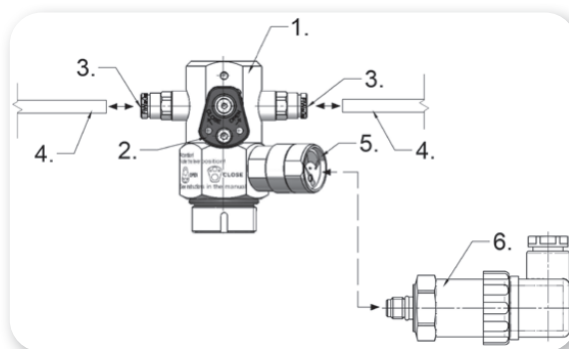
1-OUTLET SYSTEM



DETAIL OF THE VALVE

1. Body of the valve
2. Open/Close lever of integrated ball valve
3. Detection tube connector
 - 1-Outlet system: Ø 6 mm
 - 2-Outlet system: Ø 6 mm or Ø 8 mm
4. Detection tube
 - 1-Outlet system: Ø 6 mm
 - 2-Outlet system: Ø 6 mm or Ø 8 mm
5. Pressure gauge
6. Pressure switch (Optional Component)

2-OUTLET SYSTEM



OPTIONAL ACCESSORIES



Pressure Switch



End-of-Line Adapter



Protective Spiral



Quick Connect Fittings



Cable Ties, Clamps & Mounts



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