

CLEAN AGENT FOR ELECTRICAL PANEL



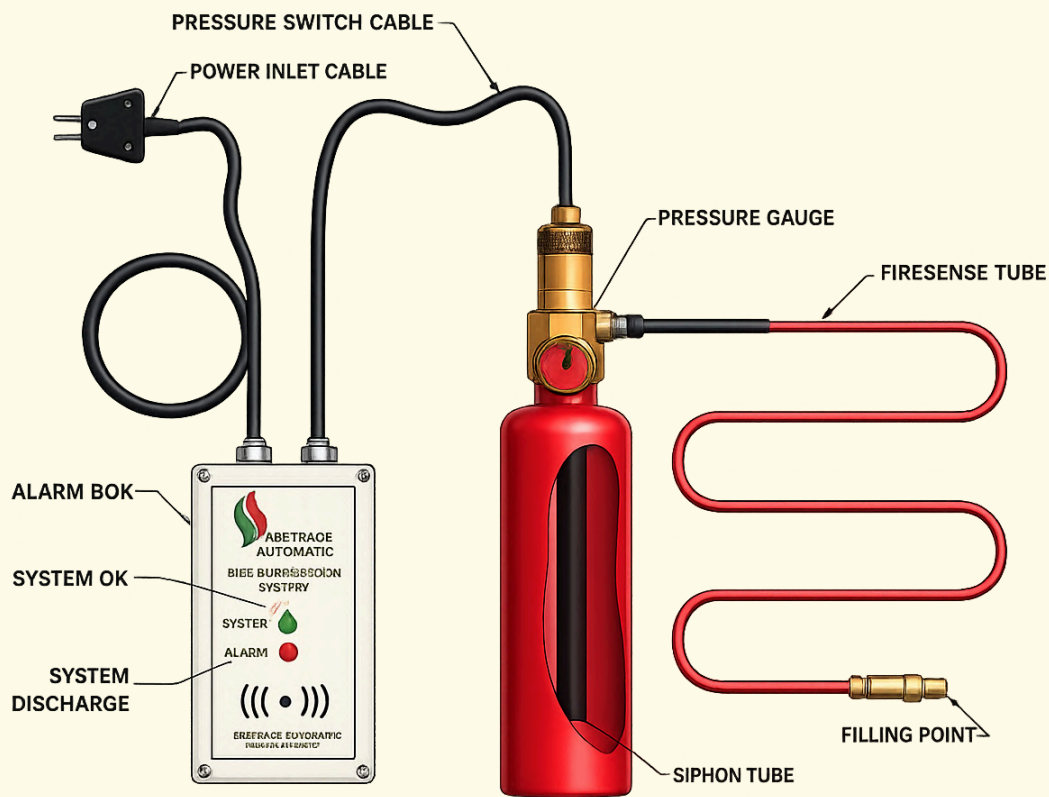
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DIRECT LOW PRESSURE SYSTEM



A Direct Low Pressure (DLP) Clean Agent Fire Suppression System is an automatic tube-based fire protection system specially designed for electrical panels, control cabinets, server racks, CNC machines, UPS systems, battery banks, and other enclosed electrical equipment.

The system detects fire at the source using a heat-sensitive detection tube and immediately releases a clean extinguishing agent directly onto the fire point without damaging electrical components.

A Direct Low Pressure Clean Agent Fire Suppression System is an automatic tube-based fire protection solution designed for electrical panels and enclosed hazards. The system uses a heat-sensitive detection tube that bursts at the fire source and directly releases a clean extinguishing agent such as Novec 1230 or FM-200 onto the fire. It provides fast, residue-free, non-conductive fire suppression without damaging sensitive electrical equipment, ensuring minimal downtime and maximum safety.

MAIN COMPONENTS OF DLP SYSTEM

1. Clean Agent Cylinder
2. Heat Sensing Detection Tube
3. Pressure Gauge
4. Pressure Switch
5. Alarm / Control Module
6. Mounting Accessories

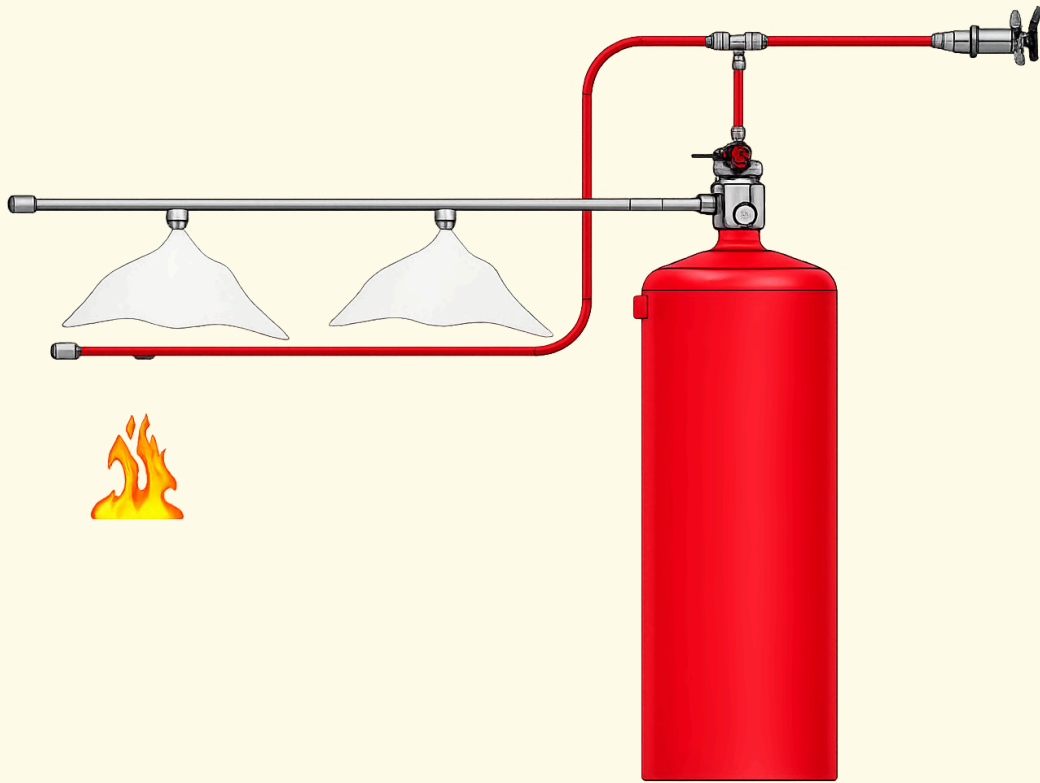
APPLICATIONS

- MCC Panels
- PCC Panels
- LT/HT Panels
- PLC Panels
- VFD Panels
- Server Racks
- UPS Cabinets
- Battery Banks
- CNC Machines
- Telecom Cabinets
- Generator Control Panels
- Solar Inverter Panels

ADVANTAGES OF DIRECT LOW PRESSURE SYSTEM

- **Fast Fire Detection** : Detects fire exactly at ignition point.
- **Instant Suppression** : Discharges directly on the fire source.
- **No External Power Required** : Fully mechanical operation.
- **Residue-Free Protection** : No damage to electrical equipment.
- **Compact Design** : Easy installation inside panels.
- **Low Maintenance** : Minimal servicing required.
- **Prevents Downtime** : Stops fire before spreading.
- **Automatic Operation** : 24/7 protection without human intervention.

IN DIRECT LOW PRESSURE SYSTEM



An Indirect Low Pressure Clean Agent Fire Suppression System is a specialized fire protection system designed to protect electrical and electronic equipment from fire without causing water damage, corrosion, or electrical short circuits.

The system detects fire at an early stage and releases a clean extinguishing agent through pipes and nozzles into the protected enclosure or room. The term indirect system means the extinguishing agent is stored remotely in cylinders and discharged through a piping network rather than directly mounted inside the panel.

MAIN COMPONENTS OF ILP SYSTEM

1. Clean Agent Cylinder
2. Detection System
3. Releasing Control Panel
4. Piping Network
5. Nozzles
6. Abort Switch
7. Alarm Devices

APPLICATIONS

- LT/HT panels
- MCC panels
- PCC panels
- VFD panels
- PLC cabinets
- SCADA systems
- Transformer control cabinets

ADVANTAGES OF IN DIRECT LOW PRESSURE SYSTEM

- **Equipment Safety** : No water damage
- **Non-Conductive** : Safe for live electrical systems
- **No Residue** : No cleanup after discharge
- **Fast Response** : Suppresses fire quickly
- **Minimal Downtime** : Critical systems remain protected
- **Compact Design** : Suitable for small electrical rooms



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