

CLEAN AGENT FOR SERVER ROOM/DATA CENTER

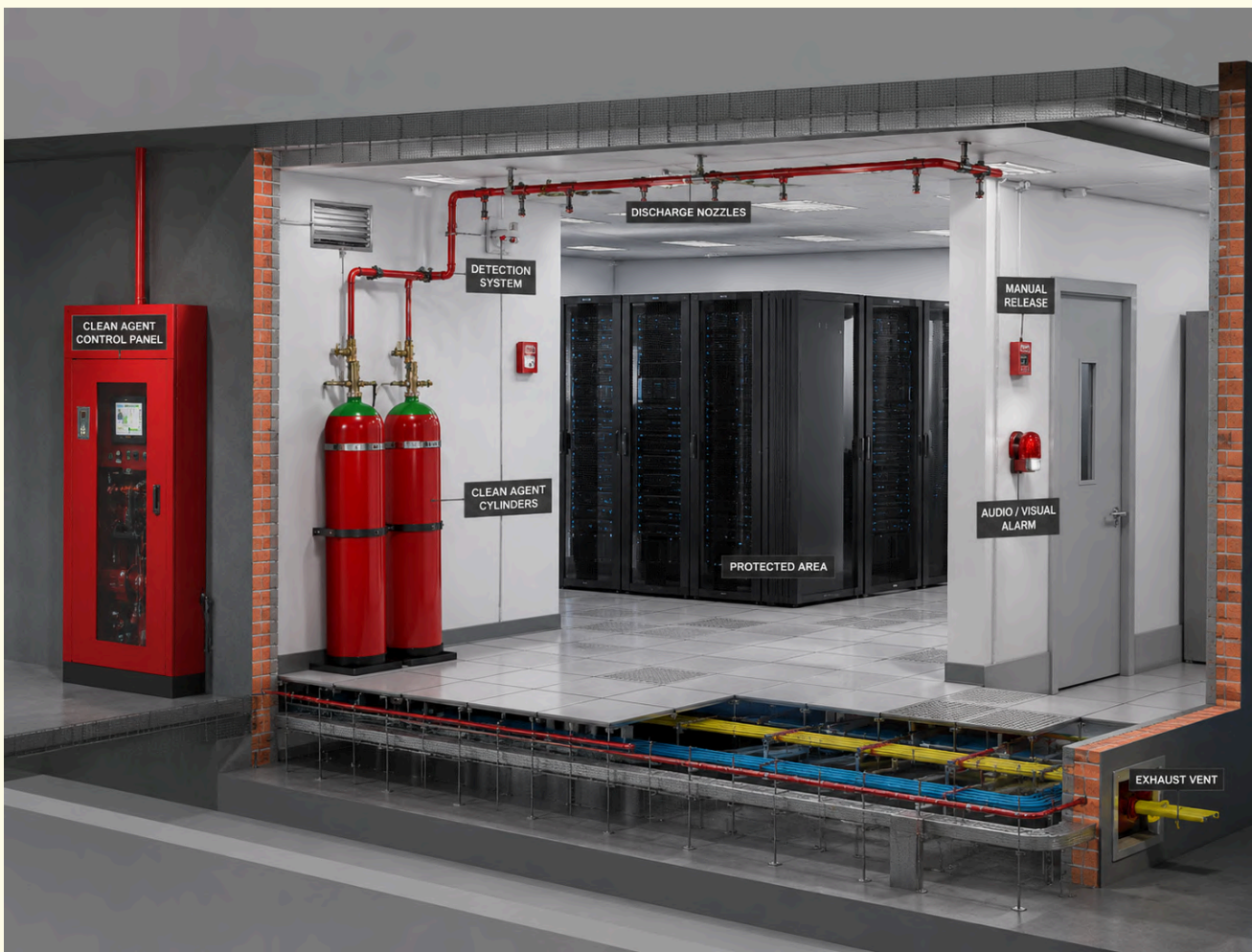


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A **Clean Agent Fire Suppression System** is an advanced automatic fire protection solution specially designed for sensitive electronic environments such as server rooms, data centers, control rooms, UPS rooms, telecom facilities, and IT infrastructure areas. The system rapidly detects and suppresses fire using a clean gaseous agent that leaves no residue, causes no damage to electronic equipment, and minimizes operational downtime.

Unlike traditional water-based fire protection systems, clean agent systems extinguish fire without harming servers, networking devices, storage systems, or electrical panels. The agent is discharged quickly through specially designed nozzles, reducing oxygen concentration or interrupting the chemical combustion process to suppress fire within seconds.

KEY FEATURES

- Fast fire detection and suppression
- Safe for sensitive electronic equipment
- No residue after discharge
- Non-conductive and non-corrosive agent
- Minimal downtime and equipment damage
- Automatic and manual release options
- Compact cylinder storage design
- Environmentally acceptable clean extinguishing agents
- Integrated alarm and control panel system

APPLICATIONS

- Data Centers
- Server Rooms
- Network Operation Centers (NOC)
- UPS & Battery Rooms
- Electrical Control Panels
- Telecom Rooms
- Archive & Record Storage Rooms
- Banking & Financial IT Facilities

WORKING PRINCIPLE

The system continuously monitors the protected area through smoke and heat detectors. When fire is detected, the control panel activates alarms and initiates agent discharge after a preset delay. The clean agent floods the enclosure uniformly and suppresses the fire rapidly before it spreads, protecting critical equipment and business operations.

COMMON CLEAN AGENTS USED

1. FK-5-1-12 (NOVEC 1230 TYPE)



FEATURES :

- Environment friendly
- Zero ozone depletion
- Very low global warming impact
- Fast fire suppression
- Safe for occupied areas
- Leaves no residue

APPLICATIONS :

- Data centers
- Server rooms
- Electrical rooms
- Archives
- Telecom rooms

2. FM-200 (HFC-227EA)

FEATURES :

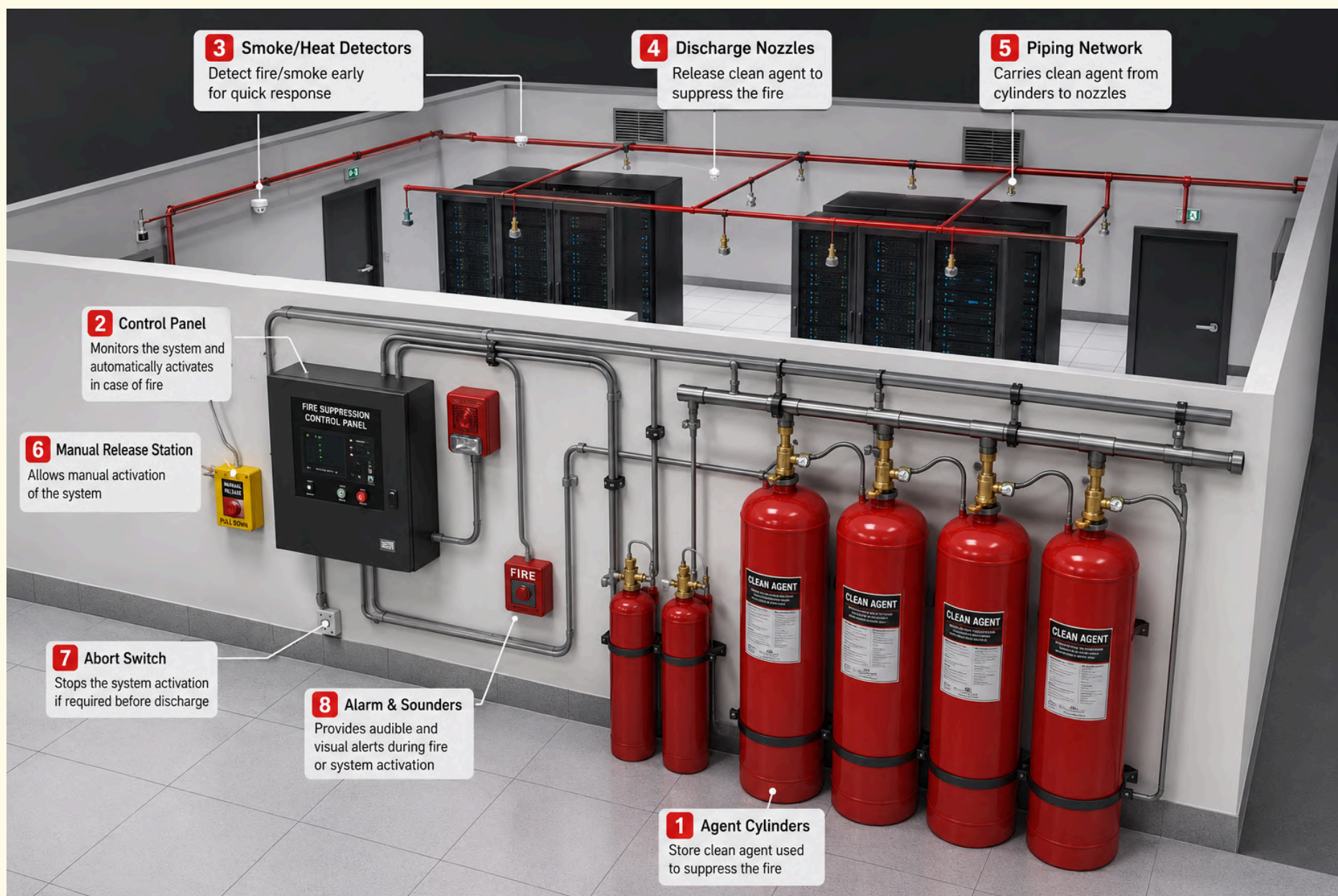
- Rapid discharge within 10 seconds
- Non-conductive gas
- No water damage
- Minimal cleanup required
- Widely used globally

APPLICATIONS :

- IT rooms
- Banking data centers
- UPS rooms
- Control panels
- Medical equipment rooms



MAIN COMPONENTS OF CLEAN AGENT SYSTEM



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