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Clean Agent

ECS-500™ with Kidde Fluoro-K Fire Suppression Agent

Fire Suppression System

Optimize cylinder storage location for flexible and cost-effective installation

The Kidde ECS-500™ type Clean Agent Suppression System using Fluoro-K provides superior performance compared to standard 360 psi (25 bar) systems. The higher storage pressure of 500 psi (35 bar) enables improvement of agent travel distance for applications where ADS™ performance levels are not required. Now you have the flexibility of a mid-tier solution to meet application size, design requirements and the client's budget.

ECS-500 System Benefits:

The ECS-500 system provides all the benefits of the standard ECS system with added advantages that provide improved system design flexibility and reduced installation and material costs:

- New 1,100 lb. cylinder reduces cylinder quantities and installation time required, while providing enough agent to cover up to a 27,000 cubic feet area with a single cylinder
- Increased system pressure allows for longer pipe runs and use of smaller pipe diameters
- Provides flexibility to remotely locate cylinder storage area more than twice the distance from the hazard area when compared to 360 psi/25 bar systems

ECS-500 System Features:

- A wide range of filling capacities from 6 lbs. to 1,100 lbs.
- Fire protection of up to 27,000 cubic feet with a single cylinder
- Provides economical protection of multiple enclosures when used with directional valves



Why Choose the ECS-500 Clean Agent System with Fluoro-K?

Rapid-Response. In seconds, the ECS System discharges the suppression agent into the hazard area resulting in less damage, fewer repair costs and reduced downtime compared to a standard code-compliant sprinkler system.

Minimizes Damage. Removed from the hazard area by ventilation, the agent allows a virtually immediate return to “business as usual” without the interruption of a costly clean-up and the expense of damage to assets from residue.

People-Safe. The agent is non-toxic, when used in compliance with NFPA Standard 2001, and does not impair breathing or obscure vision in an emergency situation, providing an added measure of safety for personnel.

Environmentally-Responsible. With a zero Ozone Depletion Potential, a low atmospheric lifetime, and its rapid suppression performance, the agent not only offers low environmental impact, but reduces the potentially devastating atmospheric pollutants of an uncontrolled fire.

Laboratory-Tested. Kidde Fluoro-K has been tested and found to be effective on a wide range of Class A surface (wood, paper and cloth), Class B (flammable liquids) and Class C (electrical) fires.

Globally-Accepted. Kidde Fluoro-K agent meets the standards of Underwriters Laboratories, FM Approvals, the National Fire Protection Standard NFPA-2001, and the U.S. EPA SNAP program.

Kidde Stamp of Approval. Kidde quality engineers and chemical experts working alongside third party laboratories have subjected the FK-5-1-12 agent to rigorous testing prior to acceptance – so you can be assured of receiving the same high-quality fire suppression delivery system platforms that we have shipped to you in years past and that you expect to receive from us going forward.

Typical Applications Protected by an ECS-500 Clean Agent System:

- Bank Vaults
- Battery Backup Rooms
- Clean Manufacturing Facilities
- Data Processing Centers
- Document Storage
- Process Control Rooms
- Simulators

Integrated ECS-500 Clean Agent System Components:

- Control Unit
- Smoke Detection
- Heat Detection
- Suppression Cylinders
- Notification Devices
- Manual Pull Stations

ECS-500 System Approvals & Listings:

- cULus Listed
- FM Approved
- Other marine- and land-based approvals in process

Fluoro-K Component Approvals & Listings:

- cULus Listed
- FM Approved

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