



## 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

