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# KIDDE® ECS™ CLEAN AGENT SUPPRESSION SYSTEMS

Proven, Effective and Reliable...

## Fire Protection that's Engineered Clean and Safe for Vital Facilities

Equipment and processes are vital to the success of all commercial endeavors. Consider the ramifications of a fire in these critical areas. Smoke or soot contamination, water damage, destroyed equipment and idle process lines could force your business offline and out of competition.

With more than 90 years in the industry, Kidde Fire Systems is the leader in the clean agent special hazards market. Kidde quality products and services can be found globally with distributors located in major cities around the world; including a network of more than 300 throughout the United States and Canada.

Kidde provides its distributors with regular technical training and certification on its diverse offering of integrated detection, alarm and suppression products to ensure the highest quality standards from system design to routine maintenance.



## Kidde ECS System Features:

- Active on Fire, Safe for People—Kidde ECS Clean Agent Fire Suppression solutions combine the benefits of clean agent systems and active fire protection with people-safe, environmentally-friendly performance.
- The Right Clean Agent—A range of Clean Agents discharge as gases, leaving no residue to damage sensitive equipment or require costly clean-up.
- The Right Fire Suppression System—Designed to fully discharge the clean fire suppression agent into a protected area within 10 seconds, ensuring the system extinguishes a fire quickly.
- The Right Fire Protection Company—A fully Integrated systems approach means that Kidde offers a complete fire protection system that is designed, manufactured, installed and serviced by one company.
- Kidde's ECS Systems detect and extinguish fires in seconds, safeguarding your people, property and bottom line, by maintaining your business continuity.

**When you choose Kidde, you've chosen the world's most respected name in special hazards fire protection.**



## Why Choose a Kidde ECS Clean Agent System?

**Rapid-Response.** In seconds, not minutes, the ECS System discharges the suppression agent into the hazard area providing the fastest fire protection available. This results in less damage, fewer repair costs and reduced downtime.

**Damage-Free.** Removed from the hazard area by ventilation, ECS Clean Agents allow 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.** ECS Clean Agents are non-toxic, when used in compliance with NFPA Standard 2001. ECS Clean Agents do not impair breathing or obscure vision in an emergency situation, providing an added measure of safety for personnel.

**Environmentally-Conscientious.** With a zero Ozone Depletion Potential, a low atmospheric lifetime, and its rapid suppression performance, ECS Clean Agents not only offer low environmental impact, but reduce the potentially devastating atmospheric pollutants of an uncontrolled fire.

**Laboratory-Tested.** ECS Clean Agents have been tested and found to be effective on the widest possible range of Class A surface fire (wood, paper and cloth), Class B (flammable liquids) and Class C (electrical) fuels.

**Globally-Accepted.** Used in more than 70 countries around the world, ECS Clean Agents meet the standards of Underwriters Laboratories, Factory Mutual, the National Fire Protection Association (2001 Standard), the U.S. EPA SNAP program and most global approval authorities.

**Kidde-Approved.** That means Kidde, a world leader in clean agent protection, stands behind ECS Clean Agent fire suppression performance and reliability.

## We are Kidde Fire Systems.

Kidde Fire Systems' products save people and property from the dangers of fire. Our broad product offering and design expertise have been protecting assets worldwide since 1917. We're the smart choice when early fire detection and suppression needs are especially demanding. To advance our leadership in the industry, our family of special hazard fire protection brands has united. Kidde Fire Systems now incorporates Chemetron Fire Systems and Fenwal Protection Systems. As Kidde Fire Systems, we will enhance our customer focus and partnerships, provide highly efficient service and training, preserve a deep combined expertise in an array of vertical markets, and accelerate our product and technology developments, to the advantage of everyone who benefits from a world made safer from fire.

**One united company. Advancing fire protection.**



## Typical Applications Protected by an ECS Clean Agent System:

- Data Processing Centers
- Process Control Rooms
- Clean Manufacturing Facilities
- Bank Vaults
- Simulators
- Battery Backup Rooms
- Document Storage
- Hazards up to 30,000 cubic feet (850 cubic meters)

## Integrated ECS Clean Agent System Components:

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

## Kidde Fires Systems Clean Agents

- HFC-227ea
- FE-13™
- 3M™ Novec™ 1230 Fire Protection Fluid

## Approvals & Listings

- UL Listed
- EPA Listed
- FM Approved
- USCG Approved

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