



# ECARO 25

ADVANCED TECHNOLOGY

THAT DELIVERS SUPERIOR

PERFORMANCE WITH

LESS CLEAN AGENT





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## LESS IS MORE WITH

# ECARO-25<sup>®</sup> FROM FIKE.

Today many companies are choosing clean agent fire suppression over basic fire protection solutions, such as sprinkler systems.

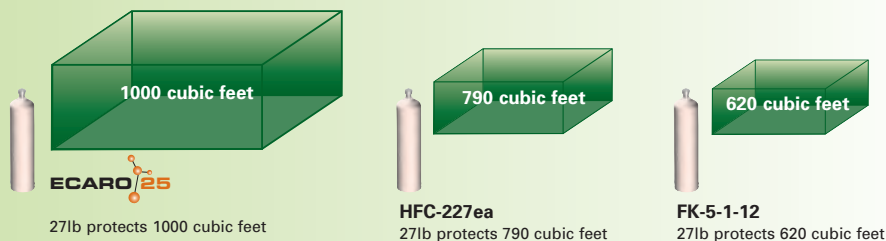
*But which clean agent system is right for your facility?*

*Fike has the answer.*

### ECARO-25 Superior Clean Agent System

Fike is known worldwide as an innovator in fire suppression equipment. We started by choosing the right fire-extinguishing agent – FE-25™ from DuPont™. Next, we combined FE-25 with Fike's patented, fast-acting rupture-disc valve for superior agent coverage and distribution. The resulting **ECARO-25** system is the best way to suppress fires and protect your high-value assets and business continuity.

## LESS CLEAN AGENT



Fike's **ECARO-25** system requires 20% less agent per cubic foot / meter than HFC-227ea systems and 38% less clean agent per cubic foot / meter than FK-5-1-12. The superior properties of our unique system also allow you to utilize small diameter piping over long distances, making it easier and less expensive to design your clean agent pipe network. **With ECARO-25, you spend less money on the agent, piping and installation.**

## MORE EFFICIENT

All clean agents must remain in the protected space for a specified period of time in order to extinguish a fire. Thanks to the unique physical properties of our clean agent, **ECARO-25 is 15% more efficient in hold time than an HFC-227ea system, and 25% more efficient than a FK-5-1-12 system.** In addition, you need less agent to protect the same room with **ECARO-25**. It's definitely the most cost-effective clean agent fire suppression system available today.



## WATER AND HIGH VALUE ASSETS – A BAD COMBINATION



### CLEAN AGENT FIRE PROTECTION IS BEST FOR ELECTRONICS AND HIGH VALUE ASSETS

Water-based fire suppression systems (i.e. sprinklers), are designed to protect people and structures. But, when it comes to protecting archives, antiques, high value assets, computers and other electronic equipment, water can be more damaging than the fire itself!

Gaseous chemical suppression systems (clean agent systems) have been used for more than 40 years to protect electronics and other valuables that are susceptible to the damaging effects of water-based suppression systems. Clean agent systems such as **ECARO-25**, are superior to water and dry chemicals in virtually every way:

- **Clean agents are not electrically conductive, and do not damage electronics — water is a great conductor and ruins electronics!**
- **Clean agents are safe for people.**
- **Clean agents leave no residue and require no cleanup.**
- **Because they act quickly, clean agents greatly reduce the amount of smoke and soot damage caused by a fire.**
- **Clean agents provide three-dimensional suppression, extinguishing fires that water may not reach.**

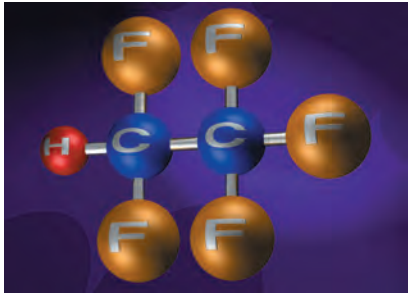


The Superior Design Features and Exceptional Performance of Fike's **ECARO-25** Clean Agent Fire Suppression System Help You:

- **Save lives**
- **Save money on clean agent**
- **Save money on piping**
- **Save floor space**
- **Protect high-value equipment, assets and irreplaceables from damage**
- **Minimize business interruption due to fire**
- **Minimize downtime after fire**
- **Prevent residue and clean-up after fire**



# YOU'RE COVERED WITH **ECARO-25** FROM FIKE.



## THE SCIENCE BEHIND THE BEAUTY

**ECARO-25** features the unique fire-extinguishing agent FE-25 by DuPont. FE-25 absorbs heat energy at its molecular level faster than the heat can be generated,

so the fire cannot sustain itself. FE-25 also forms free radicals to chemically interfere with the chain reaction of the combustion process. This highly effective clean agent is safe for people, assets and the environment.

## ECARO-25 DELIVERS THE BEST FOR LESS

You don't have to spend a fortune to enjoy the exceptional benefits of a superior Clean Agent System. **ECARO-25** protects your people, your assets, your business continuity... and your bottom line.

- Zero Ozone Depleting Potential (ODP)
- Environmentally Safe
- Electrically Non-Conductive
- Colorless and Odorless
- Leaves No Residue
- For use in Occupied and Unoccupied Spaces
- No Overpressurization Concerns



**ECARO-25 PROVIDES OPTIMUM FIRE AND DAMAGE PROTECTION FOR THE FOLLOWING CRITICAL ASSETS:**

### Communications Industry

- IT systems / software
- Telecommunication centers

### Healthcare Industry

- Clinical equipment
- Operating rooms
- Testing / imaging equipment

### Industrial/Manufacturing

- Chemical laboratories
- Clean rooms
- Compressor / pumping stations
- Control rooms
- Flammable liquid storage
- Generator rooms
- Hazardous manufacturing
- Offshore drilling rigs
- Oil collection stations
- Paint mixing rooms
- Printing plants
- Robotic equipment
- Textile manufacturing

### Irreplaceables

- Art / artifacts / historical collections
- Records and data archives
- Reference material

### Professional Services Firms

- Computer rooms
- Electric utility facilities
- Media storage
- Power supply facilities
- Switchgears
- Transformer vaults

### Transportation

- Airport field lighting controls
- Flight simulators
- Marine vessels
- Military vehicles
- Traffic control

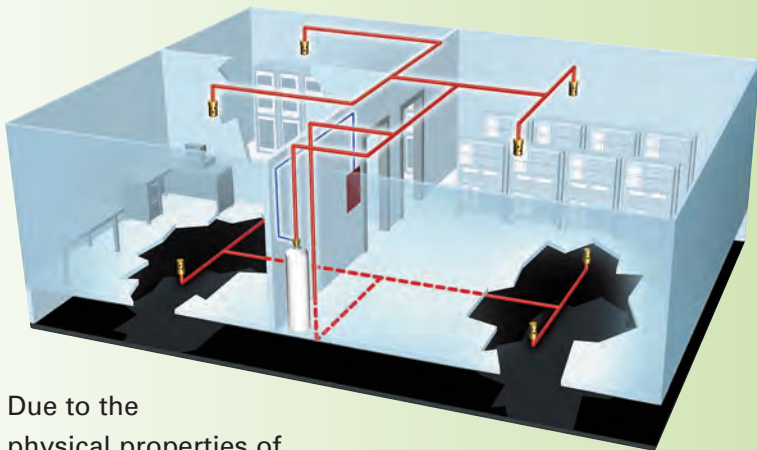
**PROTECTS YOUR PEOPLE, ASSETS AND BUSINESS**



## NEW LIFE FOR AN OLD HALON 1301 SYSTEM...

**ECARO-25** is the easiest and most cost effective replacement for existing Halon 1301 fire protection systems.

For decades, Halon was the preferred clean agent in automatic fire suppression systems for the protection of critical business assets. Because Halon 1301 has been discontinued, many companies need to find an efficient, environmentally-friendly replacement for an existing Halon system.



Due to the physical properties of FE-25 and the superior performance of Fike's fast-acting rupture disc valve assembly, **ECARO-25** can work with your existing Halon pipe network – just replace the nozzles and containers. With **ECARO-25**, you can easily transform your old Halon 1301 fire suppression system into an effective, environmentally-sound clean agent system, with minimal system modifications.

USGBC LEED® RECOGNIZED **ECARO 25**

## GLOBALLY APPROVED AND RECOGNIZED

- Factory Mutual Approved System
- UL Listed System
- Factory Mutual Approved Component (HFC-125)
- UL Listed Component (HFC-125)
- Included in ISO 14520
- Included in NFPA 2001
- US EPA SNAP listed
- Included in EN14520

## WHAT IS OZONE DEPLETION?

The ozone layer protects human beings from excess exposure to ultraviolet radiation, which can cause cancer. Unfortunately CFCs, Halons and other chemicals are destroying this vital part of the Earth's upper atmosphere. **ECARO-25** features the non-ozone depleting clean agent FE-25, providing our customers with the fire protection they need while protecting the earth's ozone layer. Now is the time to save the ozone and our planet by choosing Fike's **ECARO-25** system.



**Fike**

WWW.FIKE.COM

## WE'RE PROUD OF OUR RESUME

**EXPERIENCED:** We've worked in the fire protection business since 1960.

**FOCUSED:** We specialize in Life Safety Products, as well as Facility and Asset Protection Products.

**VERSATILE:** We design, manufacture, distribute and maintain our entire product line.

**GLOBAL:** We have clients, manufacturing facilities, sales outlets and maintenance companies around the world.

**INNOVATIVE:** In 1994, we became the first manufacturer to bring a UL-listed and FM-approved, clean agent fire-suppression system to market, replacing Halon. We also have the safest and most economical inert gas system on the market – **PROINERT**.

**EARTH-FRIENDLY:** We pioneered the development of clean agent systems and we continue to explore environmentally safe alternatives such as inert gas.

**COMPREHENSIVE:** We offer a complete line of fire protection technologies including clean agents, watermist, CO<sub>2</sub>, plus the corresponding detection and control systems.

# Fike®

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## ADVANCED TECHNOLOGY THAT DELIVERS SUPERIOR PERFORMANCE WITH LESS CLEAN AGENT

# ECARO 25



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