

CLEAN AGENT FIRE SUPPRESSION

WITH

Impulse
TECHNOLOGY®

THE MOST TRUSTED

FIRE SUPPRESSION SYSTEMS

ON THE MARKET



FM-200®

HFC-227ea



Fike®



Imagine your company's valuable data, equipment and systems lost to fire. How many enterprises, businesses and customers would be negatively impacted if your equipment or network were to go down? And how quickly could you get back on line ... if at all? Even one day lost to fire-related downtime can mean lost revenues, customers and profits.

You know you should protect against fire. But, basic water type fire suppression systems (sprinklers) can cause even more damage than the fire itself. Gaseous clean agent fire suppression systems have long been the answer to protecting high-end equipment, electronics and irreplaceable items from fire and the damaging effects of water.



FIKE CLEAN AGENT SYSTEMS FEATURING IMPULSE VALVE TECHNOLOGY

*Known worldwide for high quality and dependable systems, Fike's clean agent offering includes ECARO-25[®], HFC-227ea and DuPont[™] FM-200[®]... now featuring the exclusive **IMPULSE** Valve Technology.*

ECARO-25[®]

HFC-227ea

FM-200[®]

Fike[®]

with Impulse Technology



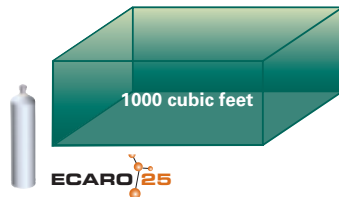
ECARO-25 features the unique fire extinguishing agent FE-25™ by DuPont™, which absorbs heat energy at its molecular level faster than the heat can be generated, so the fire cannot sustain itself. FE-25 also forms free radicals to chemically interfere with the chain reaction of the combustion process.

ECARO-25 SUPERIOR CLEAN AGENT FIRE SUPPRESSION

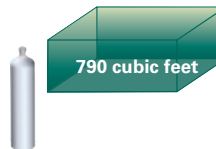


Simply said, **ECARO-25** is the best way to suppress fires and protect your high-value assets and business continuity.

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. You need less agent to protect the same room with **ECARO-25**.



27lb protects 1000 cubic feet



HFC-227ea
27lb protects 790 cubic feet



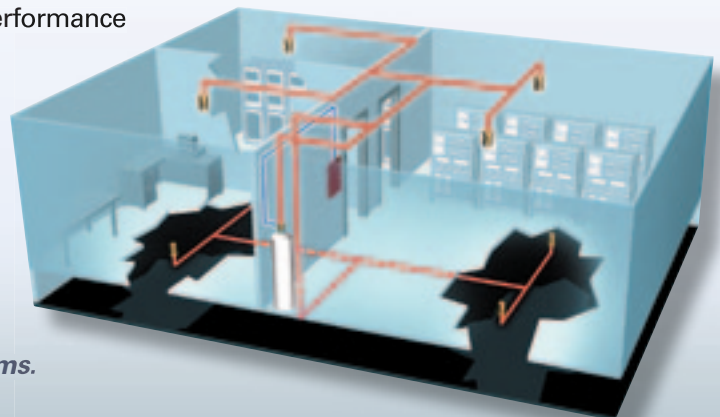
FK-5-1-12
27lb protects 620 cubic feet

In addition, **ECARO-25** 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 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 ... making it the most cost-effective clean agent fire suppression system available today.

THE EASIEST REPLACEMENT FOR HALON 1301

Due to the physical properties of FE-25 and the superior performance of the Impulse Valve Technology, **ECARO-25** can often work with your existing Halon pipe network. 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.

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



**FM-200®****HFC-227ea**

with Impulse Technology

CLEAN AGENT FIRE SUPPRESSION



HFC-227ea, trademarked by DuPont™ as FM-200®, is accepted and respected worldwide, including a long history of protecting some of the world's most critical and irreplaceable assets. Fike's clean agent system, which includes the use of HFC-227ea and FM-200, extinguishes a fire quickly by discharging in 10 seconds or less ... stopping ordinary combustible, electrical, and flammable liquid fires before they can cause significant damage. When fire is extinguished this quickly, in addition to less fire damage, you'll likely have no downtime and/or disruption of business.

Safe for use where people are present, Fike's clean agent system removes heat and breaks up the fire at the molecular level. And because it discharges as a gas, it leaves no residue and doesn't require costly clean-up like water or dry chemical systems. Perhaps the most well respected and globally recognized of all clean agent fire suppressants, **HFC-227ea** applications range from computer and electronic rooms to museums and military vehicles.

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

Basic water type fire suppression systems (sprinklers), are designed to protect people and structures. But, when it comes to protecting archives, telecommunications, 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 50 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**, **HFC-227ea**, and DuPont **FM-200**, 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 clean-up.
- 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 where water cannot penetrate.

ECARO-25**FM-200®****HFC-227ea**

with Impulse Technology

IMPULSE VALVE TECHNOLOGY

A clean agent fire suppression valve controls the pressure within the container and the efficiency with which the system discharges. The Fike Impulse Valve greatly improves the performance of clean agent fire suppression systems over mechanical valve systems by combining the reliability and efficiency of a rupture disc and the flexibility of electric actuation.

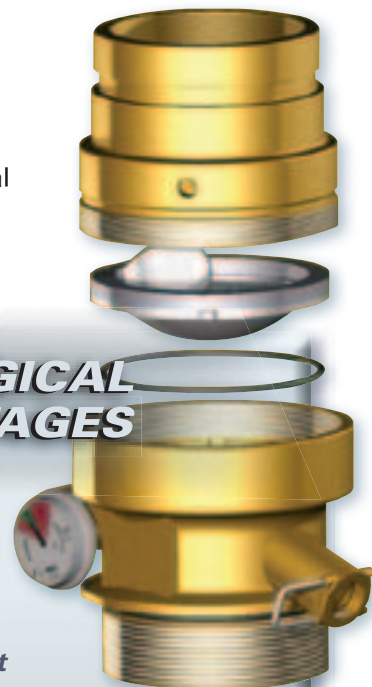
With over 65 years experience in engineering pressure relief systems, Fike is THE leader in rupture disc technology. Capitalizing on that experience, and after extensive engineering and testing, Fike has designed the most effective fire suppression container valve available. Impulse Technology combines the highest standards for performance with simplified operation and maintenance.

- Easier/less expensive to ship
- Capability to manually activate
- Replacement is easy and less expensive
- Resettable actuation device
- Easier filling
- Easy field testing capability
- Simplified service
- UL Listed and FM Approved



TECHNOLOGICAL ADVANTAGES

*Impulse Technology features Fike's exclusive **AXIUS**® rupture disc. The **AXIUS** is the most advanced rupture disc available, surpassing all others in its class. Designed and manufactured using Fike's G2 proprietary technology, the **AXIUS** is a reverse-acting disc with the highest in rupture disc reliability.*



The simplicity of the valve means fewer parts to maintain and greater reliability. As a result of Fike's advanced rupture disc technology, there is less pressure loss. That efficiency translates into a fire protection system with longer pipe run capability and flexible installation options.

The Impulse Valve can be configured to operate in multiple ways – electric, pneumatic or a combination of both. The Impulse Valve is capable of firing up to 6 cylinders on a single releasing circuit – making systems with this advanced actuation more cost-effective to design and install.

VERSATILE, EFFICIENT, COST-EFFECTIVE ... IMPULSE



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 products.

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.

EARTH-FRIENDLY: We pioneered the development of clean agent systems and we continue to develop other environmentally safe alternatives such as our superior inert gas system.

COMPREHENSIVE: Fike has a worldwide network of experienced distributors each with a staff of factory trained technicians to meet your installation and service requirements.



WWW.FIKE.COM



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CLEAN AGENT FIRE SUPPRESSION
WITH **Impulse**
TECHNOLOGY®



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