

FIRERASER[®]

INTRODUCING

FIRERASER—

SMALL-SPACE FIRE

SUPPRESSION FOR

HIGH-VALUE ASSETS



Fike[®]

FIRERASER

CAN YOUR BUSINESS
AFFORD THE HIGH COST
OF BEING UNPROTECTED?

The cost of one hour of downtime on a production line or computer server can exceed the cost of a *FIRERASER* system.

In fact, a *FIRERASER* automatic fire suppression system often doesn't cost any more than a basic security system — that's a small price to pay for added peace of mind!

The loss of a single computer server, or one piece of manufacturing or processing equipment, can mean the difference between success and failure to a growing business. The temporary shutdown of a production line or the crashing of an order-processing server can cost a business thousands financially per hour in lost revenue.

The *FIRERASER* fire suppression system from Fike provides economical, on-board fire suppression for everything from computer cabinets to CNC machines, medical imaging equipment, electrical closets and even small data centres. Whether you're a small business that depends on a small server rack or a big business that wants to protect critical equipment at the source, the *FIRERASER* fire protection system is the answer.

- *Specifically designed for protection of small-space enclosures*
- *Economical, pre-engineered, all-in-one system – no expensive design work or flow calculations necessary*
- *Easy installation and maintenance*
- *Protects without the damaging side-effects of water*
- *LPCB component approved*

WATER AND ELECTRONICS: A BAD COMBINATION**CLEAN AGENT FIRE PROTECTION IS BEST FOR ELECTRONICS AND ELECTRIC EQUIPMENT**

Water-based fire suppression systems, sprinklers and handheld extinguishers, are designed to protect people and structures. But, when it comes to protecting high value machinery, 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 agents, such as DuPont® FE-25™ and FM-200®, both of which are offered in the *FIRERASER* system, 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 conductor and ruins electronics!*
- *Clean agents are safe for people.*
- *Clean agents extinguish fires faster than water, and offer three-dimensional penetration of a space. Water is two-dimensional and does not permeate spaces such as the interior of computer enclosures.*
- *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.*



THE ALL-IN-ONE SOLUTION

THE **FIRERASER** SYSTEM IS A COMPLETE,
EASY TO INSTALL
FIRE SUPPRESSION SYSTEM
THAT CAN BE CONFIGURED
TO PROTECT A VARIETY OF HAZARDS.

THE CONCEPT IS SIMPLE:

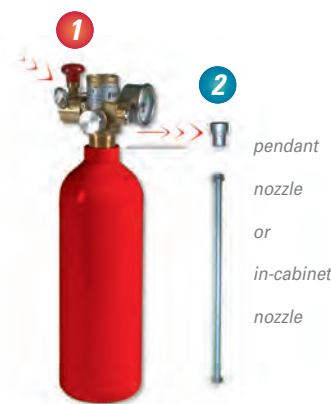
1. Clean agent is stored in a small, pressurized container.
 2. The container is connected to a simple network made of stainless steel tubing and compression or threaded fittings.
 3. When the container is actuated, the agent is released from the container, flows through the pipe network, out of the nozzle(s) and into the protected space, extinguishing the fire.
- Extinguishing agent comes in small 2, 5, 9 or 16 L containers, for protection volumes up to 25.79 m³.
 - Uses a gaseous clean agent to extinguish the fire without damaging water or residue.



THE UNIQUE **FIRERASER** DESIGN —
A VERSATILE SOLUTION FOR MULTIPLE APPLICATIONS:

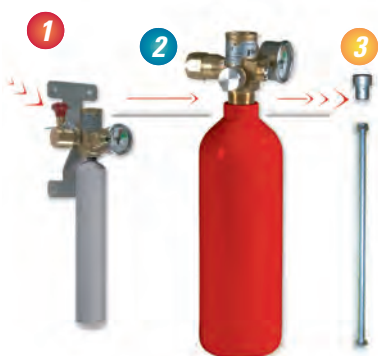
Local Manual Actuation

In its simplest form, the **FIRERASER** system can be manually activated at the container valve, by pulling the pin and pushing the strike knob down **1**. The **FIRERASER** agent is released through the pipe network and out of the discharge nozzle(s) **2**. This configuration is used in small spaces when a fire is likely to occur while a person is operating a machine or otherwise occupying the protected space, such as an operator-run machine on a production line.



Remote Manual Actuation

In situations where an operator is present, but is not likely to be near the **FIRERASER** container when a fire occurs, remote manual actuation is used. With this configuration, the remote actuator is mounted in a readily accessible area, up to 100 feet (30m) from the **FIRERASER** container. When a fire is detected, a person simply pulls the pin on the actuator and pushes down the strike knob **1**. This releases nitrogen from the actuator, which then flows through a small diameter stainless steel flex hose and/or stainless steel tubing, to the **FIRERASER** container. The nitrogen pressure opens the valve on the **FIRERASER** container **2**, releasing the extinguishing agent, which then flows through the pipe network and out of the discharge nozzle(s) **3**, extinguishing the fire. For example, remote manual actuation might be used to protect a CNC machine, where the **FIRERASER** container could be stored inside or behind the machine housing, and the remote actuator mounted on the CNC machine's control panel.



Automatic Actuation (SAV-Solenoid Actuated Valve)

The **FIRERASER** automatic actuation package consists of a container equipped with a solenoid actuated valve, which can be connected to an existing fire detection system. With the automatic actuation package, the **FIRERASER** system can be used to protect areas where a human isn't necessarily going to be present to activate the system during a fire. Areas such as small computer rooms, electrical closets and computer cabinets, are often in constant use but may not be closely monitored by personnel. A fire might not be noticed until significant damage has already occurred. When the system goes into alarm **1**, it sends a signal to the **FIRERASER** container valve **2**, opening it and releasing the agent through the pipe network, out of the discharge nozzle(s) **3** and into the protected space.



CONFIGURING AND ORDERING A *FIRERASER* SYSTEM IS AS EASY AS 1, 2, 3:

1. Select the proper container assembly for the space.
2. Choose manual (local or remote) or automatic actuation.
3. Choose Nozzle Type — In-cabinet or pendant.

Your Fike distributor can help you choose the options that are best for your situation. To learn more about the *FIRERASER* system, or for your nearest distributor, visit www.Fike.com.

FIRERASER SYSTEMS PROVIDE ECONOMICAL ON-BOARD FIRE SUPPRESSION FOR MANY TYPES OF APPLICATIONS, INCLUDING:

- archives
- clean rooms
- cnc machines
- control rooms
- data centres
- document storage
- electrical closets
- file rooms
- heavy equipment cabins
- medical imaging equipment
- optical data storage
- paint booths
- robotics
- server racks
- tape data storage
- ups cabinets

FIKE'S COMPLETE LINE OF FIRE PROTECTION SOLUTIONS

Fike has a complete line of fire protection systems and specialists to help you determine the correct system for your business. We have the most effective clean agent fire suppression systems available for the protection of high value assets. Fike also provides special hazards fire protection for many industrial applications.

CLEAN AGENT FIRE SUPPRESSION

ECARO 25 utilizing Dupont FE-25



All clean agents must remain in the protected space for a specified period of time in order to extinguish a fire. ECARO-25's superior design allows for 20% more efficiency in hold time than traditional HFC systems – that equates to 20% less agent to protect the same room! Superior design and cost savings, in a system that has zero ozone depleting potential and is safe for occupied spaces ... that's Fike's ECARO-25 waterless fire protection!

Clean Agent System utilizing Dupont FM-200

Fike's clean agent fire suppression system with FM-200, extinguishes a fire quickly by discharging in 10 seconds or less! And Fike's patented rupture disc valve design offers additional flexibility, effectiveness and speed in the system design - translating into minimal damage and limited business interruption.



Fike's **PROINERT**® offers all the benefits of previous inert gas systems with significant design improvements. From reduced piping expenses to safe discharge at a constant pressure and 60% less venting area requirements, **PROINERT** is the safe, economical choice in inert gas systems.



FIRERASER

S M A L L

S P A C E

F I R E

S U P P R E S S I O N



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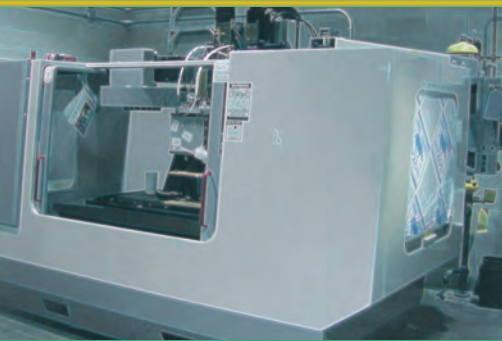
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