

FIKE CLEAN AGENT SYSTEMS FEATURING **IMPULSE™ VALVE TECHNOLOGY**

Fike is a leader in clean agent fire suppression systems. Known worldwide for high quality and dependable systems, Fike continues to look for ways to improve the technology and effectiveness of all its safety products. Now, Fike expands its clean agent offering with the addition of **Impulse** Technology to its **ECARO-25®** and DuPont™ **FM-200®** fire suppression products.

IT'S ALL ABOUT THE VALVE

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.

IMPULSE ACTUATION UPGRADE

Fike systems have always featured high reliability and quality. With over 60 years experience in engineering pressure relief systems, Fike is THE leader in rupture disc technology. Capitalizing on that experience, Fike has designed the most effective fire suppression container valve available. After extensive engineering and testing, the **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 - lower reload kit costs**
- **Resettable actuation device**
- **Easier filling - no inverting cylinder for fill and mix**
- **Easy field testing capability- eliminates "flash bulb" testing**
- **Simplified service**

The **Impulse** Valve can be configured to operate in multiple ways – electric, pneumatic or a combination of both. And 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.

EFFICIENCY OF RUPTURE DISC TECHNOLOGY **FLEXIBILITY OF ELECTRIC ACTUATION**

ECARO 25

FM-200®

with **Impulse Technology**

TECHNOLOGICAL ADVANTAGES

*Impulse Technology features Fike's exclusive **AXIUS®** rupture disc. The **AXIUS** is the most advanced rupture disc available, surpassing other low pressure rupture discs in every performance category. Designed and manufactured using Fike's **G2** proprietary technology, the **AXIUS** is a reverse-acting, 95% operating ratio disc offering the highest level of rupture disc reliability.*

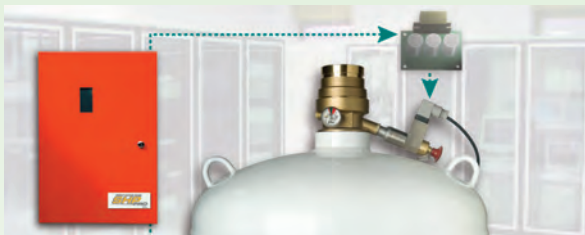
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ACTUATION VERSATILITY

Clean agent containers with **Impulse** have the advantage of multiple actuation options. From single container systems, to multiple container operations, **Impulse** gives you the flexibility to design the system that suits your application needs.



Impulse Valve Operator (IVO)
w/ Manual Strike Button & IRM



Impulse Valve Operator (IVO) w/ Manual Strike Button, IRM and up to 6 containers equipped w/ Impulse Valve Pneumatic Operators (IVPO)



Electric Actuation – Multi-Container System w/ Impulse Valve Operator (IVO)

MAINTENANCE MADE EASY

With the **Impulse** Valve Technology, installation, testing and maintenance expenditures are all reduced. Featuring a resettable actuation device, the system can be fully function tested without discharging.

And following a discharge only the disc and a few rings need to be replaced, reducing reload costs.

- Lightweight, corrosion resistant brass construction for extended valve life
- Simple design for easy installation
- Pressure fill port allows fast fill
- Pressure gauge port allows field replacement of gauge
- Conforms to European F-Gas regulations
- Easy to assemble



IMPULSE TECHNOLOGY – EFFICIENT AND COST EFFECTIVE

As with previous Fike systems, the Impulse Valve Technology continues to allow for a flexible, modular design – not available with traditional solenoid-activated systems. Our systems can be configured to match specific application needs, while using less piping and check valves ... saving installation time and costs. The simplicity of the valve means fewer parts to maintain and greater reliability. And as a result of Fike's advanced rupture disc technology, there is less agent loss. That efficiency translates into a fire protection system with longer pipe run capability and flexible installation options.

ECARO 25

FM-200

with Impulse Technology

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