iFLOW Fire Suppression System

Proven agent technologies

- Naturally occurring gases
- No fogging upon discharge to obscure escape routes
- No ozone depletion potential
- No global warming potential

Innovative delivery system technology

- Reduces storage space requirements
- Flexibility in design and installation
- Multiple hazard protection
- Remote container storage location
- Reduces venting requirements

Using innovative technology, the iFLOW Fire Suppression System is a state-of-the-art delivery system that provides a regulated discharge of inert gas clean agent. Inert gases are colourless and odourless, safe for people, the environment and cause no damage to property.

A superior fire suppression solution

The use of inert gases is a proven method for suppressing fire, using naturally occurring gas(es) in areas where people may be present or where valuable or sensitive assets could be damaged by conventional agents.

A typical inert gas system discharge produces a high flow rate and introduces gas into the manifold at the container storage pressure. This flow rate and pressure are used to determine the enclosure venting requirements and, in turn, the pipe specification. The iFLOW system can reduce the flow rate and pressure entering the pipework. This can contribute to smaller diameter pipework and reduced pressure relief venting.

An innovation in fire protection

An enhancement to the proven agent technology, the innovative iFLOW technology is based on three main elements:

- The iFLOW valve regulates the flow and can reduce the peak pressure in the pipework while maintaining the ability to achieve 95 percent of system design concentration within 60 or 120 seconds.

Applications for the iFLOW Fire Suppression System

- Air traffic control towers
- Archives
- Art galleries
- Clean manufacturing
- Computer rooms
- Cultural and historical sites
- Data centres
- Healthcare facilities
- Libraries
- Machinery spaces
- Mass transit control rooms
- Mining and motor control centres
- Museums
- Offshore facilities
- Power generation facilities
- Refineries
- Subfloors
- Switchgear rooms
- Telecommunications

- The iFLOW horizontal check valve minimises installation time by facilitating the interconnection of containers and, in many cases, eliminates the need for a discharge manifold. It also serves as a safety device, preventing loss of agent, if the containers are removed from the system during maintenance.
- The iFLOW matrix system offers design flexibility and adaptation to complex architectural spaces. When compared with traditional racking systems, the matrix system incorporates a distinctive design that provides more flexibility during installation and quicker removal of containers from the bank during recharge and maintenance.

The iFLOW system can be actuated by detection and control equipment for automatic system operation, along with providing local and remote manual operation as needed. Accessories are used to provide alarms, ventilation control, door closures or other auxiliary shutdown or activation functions.

The ultimate fire suppression solution

No other fire suppression brand promises the full range of solutions or the quality of Johnson Controls, from automatic detection and suppression systems to a full range of wheeled and portable extinguishers and more. Johnson Controls is backed by a worldwide network of factory-trained distributors, the largest and best qualified in the industry.

A passion for protection

Dedicated customer support. Extensive product portfolio. Engineering excellence. Trusted, proven brands. Johnson Controls offers all of these attributes, plus a passion for protection. It's what drives us to create solutions to help safeguard what matters most – your valued people, property and business.

The power behind **your mission**

Johnson Controls