

# 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.

## A clean, non-conductive and natural fire suppression agent

INERGEN introduces the proper mixture of gases into a room lowering the oxygen content below the level that supports combustion but allows a person to breathe, and as no fogging on discharge occurs, evacuation is not inhibited.

The INERGEN system is particularly useful for suppressing fires in hazards where an electrically non-conductive medium is essential or desirable; where clean-up of

