Kidde Fire Systems

Clean Agent Fire Suppression

Natura™ Inert Gas System

Flexible. Efficient. Sustainable.

The Kidde Fire Systems Natura™ Inert Gas System provides flexibility with your choice of four agents, efficient installation and overall lower total cost of ownership driven by reduced material, installation and labor costs, as well as a more economical refill cost after a discharge.

Compared with other high pressure inert gas systems, our series 400 valve regulates flow and pressure to allow the use of Schedule 40 piping for many applications. Installation time and labor costs are further reduced with the use of pre-fabricated manifolds, quick-connect actuation hoses and electrical connectors.

Quick-Connect Actuation Hoses

Pre-Fabricated Manifolds

System Benefits:

Flexibility

- Choice of four NFPA and ISO approved agents to suit regional re-charge conditions and customer specifications
- Wide flexibility when selecting storage area as cylinders can be stored hundreds of feet from hazard
- Argon may be used for application-specific Class D materials such as titanium dust, magnesium, etc.
- Suitable for low temperature applications
- Suitable for rooms that are hard to seal and spaces such as museums and labs

Lower Material Costs

- Pressure and flow regulating valve allows for Sch. 40 pipe
- Actuation of up to 60 cylinders is accomplished with a single release unit mounted on primary cylinder so there is no need for separate pilot cylinders
- Selector valves protect multiple hazards with a single cylinder bank, reducing overall system cost

Lower Installation, Labor and Refill Costs

- Several sizes of pre-fabricated manifolds with pre-installed check valves ready for discharge hose connections
- Fast and easy installation process using quick-connect actuation hoses and electrical connections
- Very economical agent refill cost after a discharge

Carrier

System Features:

- Cylinders available in 300 bar and 200 bar pressure options
- Cylinders available in 80 liter and 140 liter[1] capacity options
- Nozzles available with 360 and 180 degree discharge patterns
- Cylinders suitable for storage at temperatures from -4° to 130°F (-20° to 54°C) FM Approved
- Selector valve sizes range from 1" to 4" (25 to 100 mm nominal)
- 300 bar option reduces the cylinder quantity compared to 200 bar
- Truly Green agents (zero ozone depletion and zero global warming)
- Non-conductive – suitable for electronic equipment protection
- Clean Agent – no clean-up of agent required after discharge

Why Choose an Inert Gas System?

Safe for the Environment. Pure Inert gases and the constituents of the blended versions are found naturally in the atmosphere. These gases are environmentally responsible, having an ozone depletion potential (ODP) of zero and a global warming potential (GWP) of zero. At room temperature inert gases are colorless and odorless.

Safe for Human Exposure. In occupied areas, people can breathe Inert gas blends at extinguishing concentrations below 52% for very brief periods of time during egress. There are no toxicological factors associated with the use of Inert gases as they will not decompose or produce any by-products when exposed to a flame.

Applications:

- Art Galleries and Museums
- Control Rooms
- Electric Switch Rooms
- Financial Centers and Banks
- Medical Facilities
- Petrochemical Installations
- Pharmaceutical Facilities
- Rare Book Libraries
- Record Storage Facilities
- Telecommunication Centers

A Complete Line of Fire Protection Solutions is Available:

We offer a comprehensive selection of fire protection solutions to complement the Natura™ Inert Gas System, including:

- Conventional and addressable fire suppression control panels
- Conventional and intelligent heat and smoke detectors
- Full range of fire alarm notification appliances
- IntelliSite™ cellular-based, remote monitoring systems

Agent	Composition	Suitable for Fire Classification	Advantage	Approvals
IG-100	Pure Nitrogen	A, B, C	Ease of refill	LPCB, FM
IG-01	Pure Argon	A, B, C, D[2]	Suitable for Class D fires	LPCB
IG-55	Argonite® - a blend of Nitrogen & Argon	A, B, C	Popular in EU	LPCB, FM
IG-541	Blend of Nitrogen, Argon & CO_2	A, B, C	Use when specified	LPCB

[1] Available outside of North American market

[2] Per approval of AHJ

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