



Post



## Natura™ Inert Gas System

Environmentally safe and cost-effective fire protection system protecting assets including those in commercial, light industrial, and heavy industrial applications.



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.

### System Benefits

#### Flexibility

- Choice of four NFPA and ISO approved agents to suit 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 open spaces such as museums and labs

## Lower Material Costs

- Pressure and flow regulating valve allows for Sch. 40 pipe
- Actuation up to 60 cylinders accomplished with a single release unit mounted on the 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 & easy installation using quick-connect actuation hoses and electrical connections
- Economical agent refill cost after a discharge



Quick-Connect Actuation Hoses



Pre-Fabricated Manifolds

## 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.

- IG-01 (100% Argon)
- IG-55 (Blend 50/50 Argon & Nitrogen)
- IG-100 (100% Nitrogen)
- IG-541 (Blend Argon, Nitrogen, Carbon Dioxide)

Available outside of North American market

## Features

- Cylinders available in 300 bar and 200 bar pressure options
- Cylinders available in 80 liter and 140 liter 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)
- Non-conductive – suitable for electronic equipment protection

## Technical Specifications

- Actuate up to 60 cylinders with single electric actuator.

- Can be used with selector valves to protect multiple hazards from a single cylinder bank.
- Vent requirements equivalent to chemical clean agents due to flow controlled valve.

## Listing & Approvals

- LPCB Approved
- UL Listed
- FM Approved

## Related Documents

### A and E Specs

[Kidde Natura™ Fire Suppression System Specifications](#)

### Certifications and Approvals

[Kidde D&A DS-PS Addressable SmartOne® Photoelectric Smoke Det. CSFM](#)

### Data Sheets

[Kidde K-38-2000 Natura™ Inert Gas Fire Suppression System](#)

[Kidde K-38-2001 Natura™ Inert Gas System IG-01 Argon Agent Cylinder Assembly](#)

[Kidde K-38-2005 Natura™ Inert Gas System IG-100 Nitrogen Agent Cylinder Assembly](#)

[Kidde K-38-2015 Natura™ Inert Gas System IG-541 Cylinder Assembly](#)

[Kidde K-38-2020 Natura™ Inert Gas Fire Suppression System Cylinder Valve](#)

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### Sell Sheets

[Kidde Natura™ Inert Gas Clean Agent Fire Suppression System](#)

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A Carrier Company

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