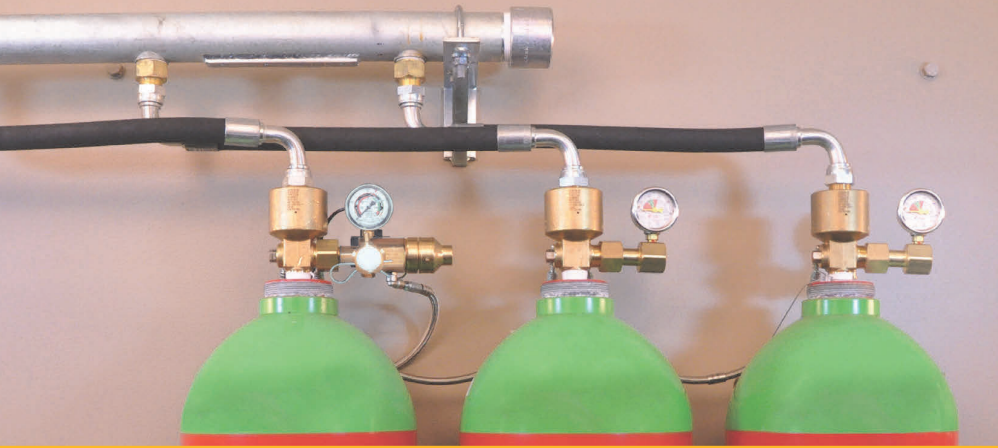


## Inert Gas System



### NATURA™ Inert Gas System

Flexible, Efficient, Sustainable

The KFP NATURA™ Inert Gas System suppresses fire by lowering the oxygen content in the room to a level where the process of combustion is no longer supported – which means that the fire won't continue to burn.

#### Why Choose an Inert Gas System?

##### Safe for the Environment

- Inert gases are found naturally in the atmosphere, fire protection uses pure and blends
- Zero ozone depletion potential (ODP) and global warming potential (GWP) aligning with sustainability goals
- Colorless and odorless at room temperature

##### Safe for Human Exposure

- Approved by the EPA for use in normally occupied spaces at extinguishing concentrations below 52%
- Inert gases are non-toxic, making them an ideal choice for occupied areas
- Do not decompose or produce any by-products when exposed to a flame

##### Rapid and Effective Fire Suppression

- Doesn't damage equipment
- Suitable for low temperature applications, rooms that are hard to seal and open spaces such as museums and labs
- Actuation of up to 60 cylinders with a single release unit - lower cost

##### Minimal Downtime

- No residue to clean up after discharge
- Non-destructive - protects sensitive equipment and valuables

#### NATURA™ Inert Gas System Features:

- Non-conductive – suitable for electronic equipment protection
- 60 second (Class B) & 120 second discharge times
- Cylinders can be stored hundreds of feet from hazard offering wider flexibility for storage location
- Cylinders options:
  - 300 bar and 200 bar pressure options
  - 80 liter and 140 liter capacity options
- Cylinders suitable for storage at temperatures from -4° to 130°F (-20° to 54°C)
- Self-regulating valve allows the use of Schedule 40 piping for many applications.
  - Prefabricated manifolds.
  - Quick-connect actuation hoses and electrical connectors.
  - 180°, 360° and Acoustic versions available
- Top-tier discharge area coverage and superior radial throw reach
- Selector valve sizes range from 1" to 4" (25 to 100 mm nominal)



Quick-Connect Actuation Hoses



Prefabricated Manifolds

### Choice of Inert Gas Agents:

- Four NFPA and ISO approved agents to suit regional recharge conditions and customer specifications
- MDCs amongst best in class per NFPA 2001, UL and FM Standards
- Argon may be used for application specific Class D materials such as titanium dust, magnesium, etc.

Agent	IG-100	IG-01	IG-55	IG-541
Composition	Pure Nitrogen	Pure Argon	Argonite® (Nitrogen & Argon Blend)	Blend (Nitrogen, Argon & CO2)
Suitable for Fire Class	A, B, C	A, B, C D <sup>1</sup>	A, B, C	A, B, C
Advantage	Ease of refill	Suitable for Class D fires	Easier to blend than IG-541	Use when specified
Approvals	UL, FM, LPCB	UL, FM, LPCB	UL, FM, LPCB	UL, FM, LPCB
Acoustic Nozzle	✓		✓	✓

<sup>1</sup> Per approval of AHJ

### NATURA™ Acoustic Nozzles

For use in applications requiring a system discharge generating a lower sound output than a standard suppression nozzle

- Quieter, reduces sound levels to below 110dB (500 Hz and 10 kHz ) when measured at 3 feet (1 m)
- Aesthetically pleasing alternative to bulky nozzle-silencer combinations
- Can replace existing discharge nozzles without major pipe modifications



Kidde-Fenwal, LLC  
400 Main Street  
Ashland, MA 01721, USA

KFI U.K. Limited  
Station Road,  
Bentham, Lancaster, LA2 7NA

Kidde Technologies  
Survey No. 28/2, 44/2 and 45  
Rasyani, Dandapta Road  
Raigad Maharashtra-410207 India

[www.kiddefenwal.com](http://www.kiddefenwal.com)

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### Applications:

- Data Centers
- BESS
- Power Plants
- Art Galleries and Museums
- Archives and Libraries
- Record Storage Facilities
- Control Rooms
- Electric Switch Rooms
- Financial Centers and Banks
- Pharmaceutical Facilities
- Medical Facilities and Laboratories
- High-Tech or High-Value Facilities

### Product, Brands & Approvals

- NATURA™ is available under the Kidde Fire Protection brand for global markets and as Kidde Fire Protection in select territories.
- Regional approvals vary by brand. check part numbers before ordering.

### 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



Sell Sheet SS K-112