

Total Flooding Suppression Solutions

Inert gas systems are the safe, natural way to extinguish a fire.

Inert gas systems are designed to reduce the ambient oxygen concentration in a protected space to between 10 and 14 percent, a level that is breathable, but will not support flaming combustion (thus smothering the fire).

Because of the unique pressure regulated valve assembly, the Envirogen™ agent enters the protected room within the required 60 seconds at a steady flow rate, preventing destructive turbulence from occurring.

Only the amount of inert gas you really need is discharged, and the necessary venting area is much smaller – you can reduce your installation costs by as much as 60% on venting hardware.

Most inert gas systems discharge into the protected space with a high surge flow rate at the nozzle/s, creating a potentially hazardous pressure peak. Consequently, a large venting area must be installed, to prevent structural damage to the perimeter of the protected space and safeguard employees.

The Envirogen™ superior cylinder pressure regulator automatically reduces the pressure of the stored inert gasses at discharge to provide an ideal discharge pressure and maintain a constant flow rate throughout the system. That means no need for expensive high pressure piping.



With Envirogen™, you can use small-diameter, low-pressure piping from the storage cylinders/manifold all the way to the nozzle/s, thus lowering your system costs.

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BENEFITS OF THIS ALL-NATURAL EXTINGUISHANT

- Readily Available & Economical Refill
- No Combustion By-Products - Inert gasses do not decompose into toxic or corrosive elements in a fire, making it a safe choice for people and assets
- No Fogging - ideal for occupied spaces because escape routes remain visible during, and after a discharge.
- No Residue - no damage to your equipment and no clean up required
- Electrically Non-conductive
- Minimal Thermal Shock - inert gasses cause the least amount of thermal shock (sudden temperature drop), compared to other clean agents
- Zero Global Warming Potential (GWP)
- Zero Ozone Depletion Potential (ODP)



APPLICATIONS

- Computer and Data Centres
- Operation and Command Centres
- Simulator Rooms
- Financial Centers and Banks
- Military Storage Centres
- Machinery Spaces
- Laboratories
- Process Industry Control Rooms
- Art Galleries
- Museums and Archives
- Rare Book Libraries
- Record Storage Facilities
- Substation Control Rooms
- Electrical Switch Rooms
- Telecommunication Centers

