

EXA overview



HOW PYROGEN WORKS

Pyrogen is an aerosol fire-extinguishing agent. The principle extinguishing action employed by Pyrogen is unique - a special solid chemical, when electrically ignited, produces combustion products - micron-sized dry chemical particles and gas. Dry chemical particles (mainly potassium carbonate), and gaseous mixture (mainly carbon dioxide, nitrogen and water vapor), mix together into a uniform fire extinguishing aerosol. Before being released into a protected area, the aerosol propels itself through a unique physical coolant, which absorbs and re-distributes heat, thus ensuring flameless discharge and uniform distribution of the aerosol within the area.

The high rate of aerosol discharge ensures tremendous knockdown effect. Micron-sized aerosol particles exhibit gas-like three dimensional qualities that allow the agent to rapidly distribute throughout the enclosure and reach even the most concealed and shielded locations. Homogeneous distribution is achieved in a matter of seconds, while long holding times help to prevent fire re-ignition.

ADVANTAGES

Environmentally friendly

- Zero Ozone Depleting Potential (ODP)
- Zero Global Warming Potential (GWP)

No pressurised cylinders or pipe work

- Self Contained
- Zero Pressure
- Easy to Handle, Store & Move

Low Life Cycle Cost

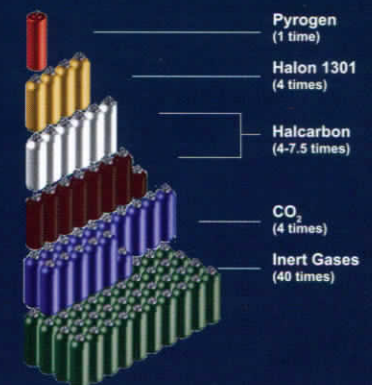
- No Piping or Pressure Cylinder Required
- Minimal Maintenance
 - ~ No leakage
 - ~ No recharge
- Simple Installation

Compact & Weight Saving

- Smallest & lightest fire extinguishing system. Most compact when compared size for size with other fire extinguishing systems. **Guaranteed to save you space!**

Tested & Certified

- Listed by USEPA under SNAP Program
- Adopted by Standards Australia / Standards New Zealand
- Listed by CSIRO Australia
 - ~ NFPA 2010
 - ~ AS/NZS 4487
- Certified & recognised by various certification bodies worldwide



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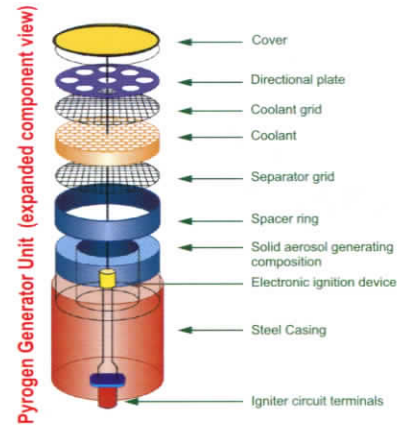
Pyrogen Protects In 2-Ways

Typical Scenario

A. PYROGEN TOTAL FLOODING SYSTEM



B. PYROGEN DIRECT-TO-SOURCE SYSTEM

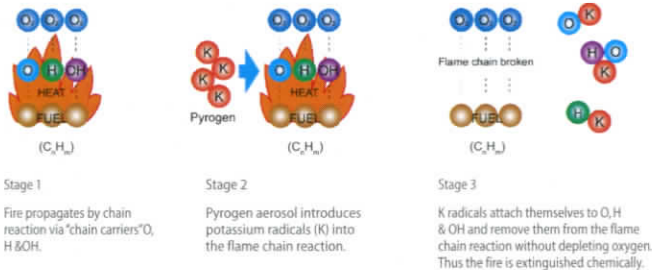


Pyrogen has a complete range of generators for various applications. There are cylindrical units for in-cabinet and confined areas; drum units for larger enclosures and room total flooding; units for raised floors and ceiling protection.

Each generator is hermetically sealed to maintain the internal integrity of all components within the unit. For the smaller cylindrical units, the casing is made of tough and corrosion resistant stainless steel and military alloy connectors are used.

The drum units are mild steel with corrosion resistant epoxy powder coating. These units come complete with attached mounting brackets and each unit is attached with its individual termination box.

Pyrogen Extinguishing Action



APPLICATIONS

Pyrogen's wide range is suitable for a variety of installations including:

- ▶ Computer Room
- ▶ Electrical Substation
- ▶ Generator Room
- ▶ Raised Floor
- ▶ Server Farm
- ▶ Warehouse
- ▶ Telecommunication Cabin
- ▶ Control Room
- ▶ CNC machine
- ▶ Computer Server Rack
- ▶ Distribution Board
- ▶ Electrical Control Cabinet
- ▶ Engine Compartment
- ▶ Machinery Compartment
- ▶ Mining and Earthmoving Equipment

Typical Installations



Industrial . Electrical . Telecommunication . Machinery . Marine . Transport Vehicle . Military



CSIRO, Australia

AS/NZ Standards

US EPA

BOMBA MALAYSIA

Certificate SG05/00465

ISO9001:2000 Certified Company

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