

applications



machinery

PyroGen wide range is suitable for a variety of installations including:

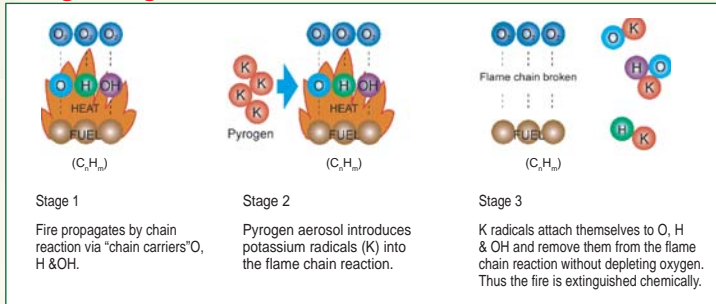
- ▶ Computer Room
- ▶ Electrical Substation
- ▶ Generator Room
- ▶ Raised Floor
- ▶ Server Farm
- ▶ Warehouse
- ▶ Telecommunication Cabin
- ▶ Control Room
- ▶ CNC machine
- ▶ Computer Server Rack

transport vehicle

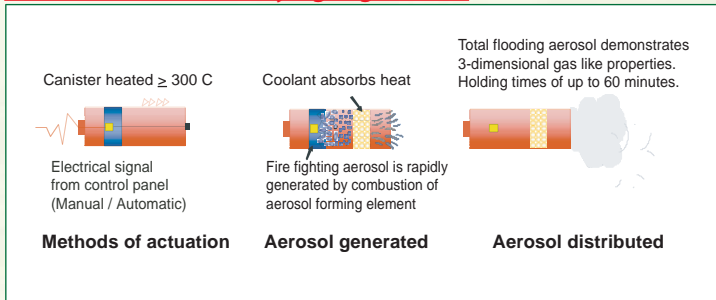
military

telecommunication

Extinguishing Action



Combustion within the Pyrogen generator



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.



Quantum Leap In Fire Science

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