

Hand held fire grenade

New
from Pyrogen

easy to use canisters



Pyrogen Grenade

manual weapon in the fight against fire & arson

- Revolutionary fire fighting grenade
- 3 times more efficient than Halon 1301
- Compact, easy to handle canisters
- ≤10 second delay from activation
- Low toxicity and leaves no permanent trace
- Zero Pressure canisters - Safe to transport and handle
- Ideal for confined spaces or access ways
- May be used for fire fighting and arson control
- Zero Ozone Depleting Potential (ODP) & Global Warming Potential (GWP)
- Often sufficient to extinguish small enclosed fires
- Used by Harbour Police and Coastal Patrol Agency

available in various sizes



simple mechanical activation



The Pyrogen Grenade, is the worlds first manual fire fighting aerosol grenade.

Developed directly from the successful canisters used for fixed fire suppression systems, Pyrogen Grenades are the latest weapon in the war on fire & arson.

The Grenades are activated by pulling a manual pin, which operates a friction device, initiating the combustion process. The grenade then gives up to 10 seconds for the fire fighter to project the unit into the fire. Once activated the canisters release their powerful aerosol gas, which is generated from a stable combustible solid. The aerosol released, is proven to be 3 times more effective than Halon, and rapidly knocks down or suppresses the fire.

For small to medium sized fires in confined spaces, such as in skips, basement entrances, engine bays or small portable buildings, one or more grenades is often enough to extinguish the fire. For larger blazes, in more open areas or with a deep seated source, Pyrogen Grenades will knock down the fire, allowing fire fighters the ability to move in safely and quickly with conventional extinguishing media delivery systems.

As a proven low toxic alternative to Halon, its portability gives it another invaluable attribute – as an arson deterrent.

Pyrogen Grenades have been supplied to a number of Coast Guard Agency and Waterways Police Authorities to protect personnel and property during raids and arrests.

The milky white aerosol gas not only prevents destruction of valuable evidence, but also by disorientating any aggressive suspects, potentially dangerous situations can be rapidly controlled. The aerosol is easily dispersed and leaves little or no residue.

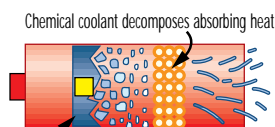
PYROGEN

How it works

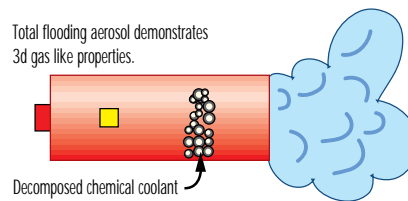
Pyrogen canister in action



simple mechanical actuation



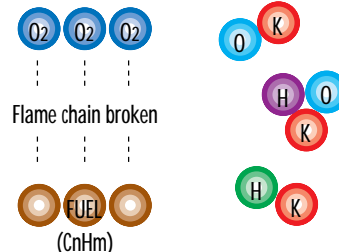
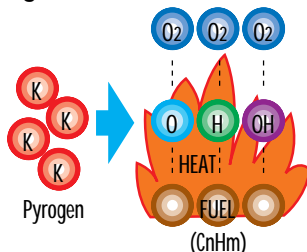
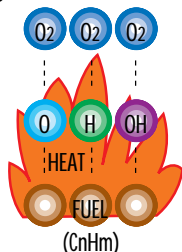
Chemical coolant decomposes absorbing heat
Fire fighting aerosol rapidly generated
Aerosol generated



Total flooding aerosol demonstrates 3d gas like properties.

Decomposed chemical coolant
Aerosol distributed

Pyrogen aerosol is a chemical action agent

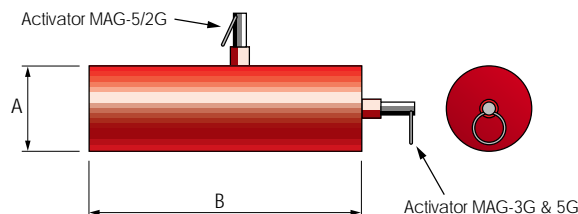


Specification data

Aerosol Compound	KNO ₃ , Plasticised NitroCellulose, Carbon, Additives
Canister	Epoxy powder coated marine grade aluminium
Environmental rating	Zero ODP and Zero GDP.
Suitable for FIRES	Class A Fires: Solids Class B Fires: Liquids Class C Fires Flammable Gases Class E Fires Electrical
Aerosol Gas	Low toxicity, Milky white, acid smell

Dimensions

Parameters	MAG-3/G	MAG-5/1G	MAG-5/2G
Total Mass (g)	900	2,125	1,870
Diameter (A) mm	75	95	75
Length (B) mm	150	200	280
Mass of Aerosol (g)	200	500	500
Activation Delay (sec)	6-8	8-10	8-10
Activation Pin	End	End	Side
Discharge Time (sec.)	3-5	5-7	5-7
*Protected Volume m3	2	5	5
Discharge Point	One end	One end	Both ends
Operating Temp	-50°C to +50°C	-50°C to +50°C	-50°C to +50°C



* Protected volume refers to the maximum enclosed space, in which extinguishment is achieved in most fires. Extinguishment may often be achieved in larger and more open enclosures, depending on the nature, type and severity of the fire.

Ordering information

Grenade

Part Number	Description
MAG-3/G	Mono Directional Grenade
MAG-5/G	Mono Directional Grenade
MAG-5/2G	Bi Directional Grenade

PYROGEN

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