



Technical Specification

Country of Manufacture: Malaysia
Igniter Resistance: 2.5-5.5 Ohm
Temperature Range: -50°C to + 85°C
Service Life: 5 to 10 years
Material: Mild Steel
Finish: Epoxy Powder Coated

Classifications:

Class A - Combustible Solids
Class B - Flammable Liquids
Class C - Flammable Gases
Class E - Electrically Energised Fires

Handling & Transport:

Classification Code: Class 4.1
UN. No 3178
Packing Group: III
Hazchem Code: 2 [Y]E

 **TVPN.CO.ID**
TOTAL FIRE PROTECTION PRODUCTS - SERVICES - SOLUTIONS
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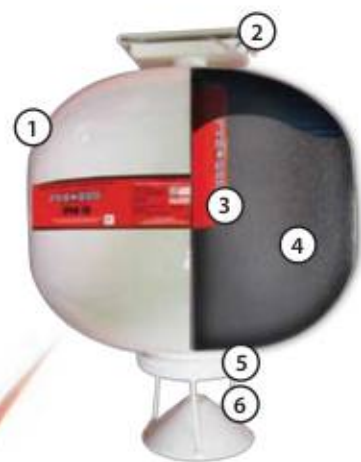
IPEX



Impulse Powder Extinguishing Modules



www.pyrogen.com.au
www.fireprotection.co.id



Construction of an Impulse IPEX-8 modules

- 1) Metal casing
- 2) Mounting flange
- 3) Electrically activated non-pressurised solid gas generator
- 4) Extinguishing agent/medium
- 5) Membrane
- 6) Discharge nozzle

IPEX – Impulse Powder Extinguishing Module

IPEX module is a non-pressurised self-contained metal canister delivering a gas-powder extinguishing medium into a fire zone within a few seconds from the commencement of the discharge.



The impulse discharge is achieved due to a special non-pressurised solid gas generator incorporated into the canister containing a special extinguishing powder. Upon activation of the system the gas generator operates releasing gases. The gases rapidly build up an internal pressure and aerate the extinguishing powder resulting in an impulse gas-powder delivery through a specially designed discharge outlet.

Signature Features



- Cost Effective**
- Simple installation;
 - Can be installed inside protected area/space;
 - No maintenance on IPEX modules.



- No Pressure Cylinders**
- No stored liquids or gases;
 - No agent leakage;
 - No pressure gauges, no moving parts.



- Reliability**
- Extremely high performance;
 - Impulse/rapid agent delivery;
 - No agent caking.



- Versatility of Applications**
- Enclosures;
 - Semi-open and open spaces;
 - Stationary & Mobile installations;
 - IPEX mounting inside or outside protected space/area;
 - small spaces/areas – no piping and no distribution nozzles;
 - Large spaces/areas – simple piping and 4-6 distribution nozzles.



- Suitable for Aggressive Environments**
- Ambient temperatures up to 95°C;
 - High vibration;
 - High /low humidity;
 - Dust /Salt – Spray.



IPEX installed in the Engine Compartment of Monorail, Europe.



IPEX-15 in bus middle engine compartment.



Forestry Machinery.



Applications

- **Transport** – engine compartments of buses, construction/forestry and other vehicles.
- **Mining** – mining vehicles, mobile equipment, oil transformers.
- **Mobile Equipment** – air compressors, diesel generators.
- **Rail** – engine compartments, depots, relays.
- **Military** – armoured vehicles.
- **Residential** – garages.
- **Commercial** – warehouses, paint rooms, storages.

Suitable for aggressive environments, remote & unmanned sites

- **Heavy-Duty Modules** – up to 95°C ambient temperatures, high/low humidity, vibration.
- **Stand-Alone Systems** – no external power, no batteries, no maintenance.



Stand-alone systems for Residential garage.



Typical IPEX installations in mining vehicles Europe.



IPEX-15T in Hyundai Loader in New Zealand.



Typical IPEX installations in bus engine compartments, Australia.