# Technical specification - IPEX Series as follow:

|   |          | Mass of<br>module / | Extingguishin<br>Area<br>protection m <sup>3</sup> |         | y officiency Volume protection, m³ |         | Max<br>Install | Discharge | Activation current, A / activation |
|---|----------|---------------------|--|---------|------------------------------------|---------|----------------|-----------|------------------------------------|
|   | Module   | powder, kg          | Class A  | Class B | Class A                            | Class B | height, m      | time, s   | time, s                            |
|   | IPEX-0.3 | 0.75/0.3            | 1  | 2       | 1.2                                | 1.2     | 1.2            | 0.1       | 0.4/2                              |
| ſ | IPEX-0.5 | 1.7/0.48            | 2  | 2       | 2                                  | 2       | 2.0            | 0.5       | 0.1-0.4/5                          |
| ı | IPEX-2T  | 4.7/1.65            | 10   | 7       | 15                                 | 8-11    | 1.9            | 1.0       | 0.1-4/10                           |
| ١ | IPEX-2.5 | 2.9/1.95            | 7  | 7       | 18                                 | 16      | 3.5            | 0.5       | 0.1-0.4/2                          |
| ı | IPEX-7T  | 12.0/6.0            | 20   | 18      | 40                                 | 35      | -              | 4         | 0.7/4                              |
| ı | IPEX-8   | 14.5/7.5            | 32   | 18      | 64                                 | 35      | 6              | 3         | 0.7/5                              |
| ı | IPEX-15T | 24.0/14.5           | 42   | 36      | 85                                 | 70      | 6              | 5         | 0.7/5                              |
|   | IPEX-50T | 75.0/48.0           | 75   | 60      | 210                                | 180     | 6              | 5         | 0.7/5                              |

#### **Classifications:**

Suitable for fire: Class A - Conbustible solid

Class B - Flammable liquids Class C - Flammable gases

Class E - Electrically energised fires

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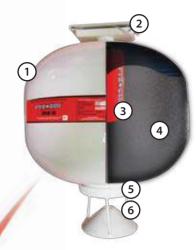




**Impulse Powder Extinguishing Modules** 



www.pyrogen.com.au



# Construction of an Impulse IPEX-8 modules

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

# IPEX – Impulse Dual Agent Extinguishing Module

IPEX module is a nonpressurised 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;
- Dual agent extinguishing action;
- 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 95C;
- High vibration;
- High/low humidity;
- Dusts/Salts/Sprays



## **Approved for Mobile Equipment**

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

#### Enclosed, semi-open and open areas in:

- 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

Typical IPEX installations in mining vehicles, Europe.

• **Commercial** – warehouses, paint rooms, storages



Stand-alone systems for Residential garage





Typical IPEX installations in bus engine compartments, Australia.