

Technical specification - IPEX Series as follow:

Module	Mass of module / powder, kg	Extinguishing efficiency				Max Install height, m	Discharge time, s	Activation current, A / activation time, s
		Area protection m <sup>3</sup>		Volume protection, m <sup>3</sup>				
		Class A	Class B	Class A	Class B			
IPEX-0.3	0.75/0.3	1	2	1.2	1.2	1.2	0.1	0.4/2
IPEX-0.5	1.7/0.48	2	2	2	2	2.0	0.5	0.1-0.4/5
IPEX-2T	4.7/1.65	10	7	15	8-11	1.9	1.0	0.1-4/10
IPEX-2.5	2.9/1.95	7	7	18	16	3.5	0.5	0.1-0.4/2
IPEX-7T	12.0/6.0	20	18	40	35	-	4	0.7/4
IPEX-8	14.5/7.5	32	18	64	35	6	3	0.7/5
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 - Combustible solid
- Class B - Flammable liquids
- Class C - Flammable gases
- Class E - Electrically energised fires

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Authorised Dealer:



# IPEX



## Impulse Powder Extinguishing Modules



[www.pyrogen.com.au](http://www.pyrogen.com.au)



**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 Dual Agent 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;
- 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



IPEX installed in the Engine Compartment of Monorail, Europe.



IPEX-15 in bus middle engine compartment.



Forestry Machinery.



**Applications**

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



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.

