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Driven by a vision to make India safer, we partner with clients to design customized fire protection strategies that ensure maximum safety with minimum disruption. With every project, we uphold our promise of reliability, innovation, and trust.

**Varuna Safety Systems
Private Limited**

Safeguarding Today, Securing Tomorrow.



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About Us

Who we are

Varuna Safety Systems Private Limited is a trusted provider of innovative Fire Safety Products and Services, with a vision to deliver reliable, efficient, and cost-effective fire protection solutions.

We offer a comprehensive range of automatic and manual fire safety equipment, designed to meet the needs of schools, hospitals, colleges, offices, industries, households, businesses, and government institutions. Backed by a team of seasoned professionals with deep expertise in the fire safety industry, we are dedicated to delivering solutions that combine advanced technology with uncompromising quality.

At Varuna, we pride ourselves on innovation and customization. Our experts work closely with clients to assess their unique requirements and design tailored strategies with clear, achievable milestones for effective fire safety implementation. With a strong focus on customer safety, product excellence, and service reliability, Varuna Safety Systems continues to build trust across diverse sectors, safeguarding lives and assets with every solution we deliver.

Our Mission

To safeguard lives and assets by delivering innovative, reliable, and eco-friendly fire safety solutions, while ensuring the highest standards of quality, trust, and customer satisfaction.

Our Vision

To become the most trusted partner in fire protection, setting new benchmarks in technology, reliability, and customer care. Creating a future where safety is certain, and fire risks are history

Commitment to Quality

At Varuna Safety Systems, quality is at the core of everything we do.

From product design to final delivery, we follow stringent quality standards to ensure reliability, safety, and performance. Our solutions are built with certified technology, precision engineering, and rigorous testing, ensuring consistent excellence.

We are committed to:

- Delivering safe, durable, and innovative fire safety solutions
- Adhering to national and international quality standards
- Continuously improving through feedback and innovation
- Providing dependable after-sales support and service

With this unwavering commitment, we ensure that every product and service we deliver stands as a symbol of trust, safety, and reliability.

What We Offer

We are proud to present our innovative range of aerosol-based fire extinguishing solutions, designed to deliver maximum effectiveness, reliability, and ease of use. At

Varuna Safety Systems, our commitment to quality, safety, and advanced technology drives us to provide solutions that are not only efficient but also tailored to the diverse needs of our customers.

This catalogue offers a detailed overview of our products, showcasing how each solution is crafted to ensure comprehensive fire protection across industries, institutions, and households.



Salient Features

Aerosol-hosed Automatic Fire Detection & Suppression Systems are - compact and lightweight design for ease of use and installation - rapid and effective Fire detection and suppression capabilities - non-toxic and environmentally friendly extinguishing agents - suitable for various applications, including residential, commercial and industrial settings.

Automatic Fire Detection & Suppression Systems:

- Advanced systems that detect and suppress fires automatically and instantly.
- Intelligent sensors for timely intervention, minimizing potential damage.
- Customizable solutions to accommodate different environments and hazards.

Vehicle Fire Suppression Systems:

- Specifically designed for the protection of vehicles and their occupants.
- Fast response time to prevent catastrophic fire incidents.
- Highly efficient and compact systems for a wide range of vehicles, including 2 wheelers, 1 wheelers, buses, trucks, and heavy vehicles.

Salient Features

Specialized Fire Suppression Systems:

- Tailored solutions for specific industries such as oil and gas, marine, data centers, and more.
- Expert team capable of designing and implementing customized fire suppression systems.
- Dedicated support for compliance with industry regulations and standards.

We continuously strive to innovate and improve our products, driven by strong commitment and dedication to staying ahead of the ever-evolving fire protection landscape. By choosing Varuna Safety Systems, you will have peace of mind knowing that you have entrusted your fire safety to a reliable and forward-thinking partner.

For more detailed product specifications, technical information, and assistance in selecting the right fire suppression solution for your specific needs, please refer to the corresponding sections in this catalogue or contact our knowledgeable sales representatives. At Varuna Safety Systems, we are committed to preventing fire disasters and ensuring the safety of individuals and property. Join us in our mission to safeguard lives and make fire protection an indispensable part of every environment.

FIRESHIELD-08

PRODUCT SPECIFICATION

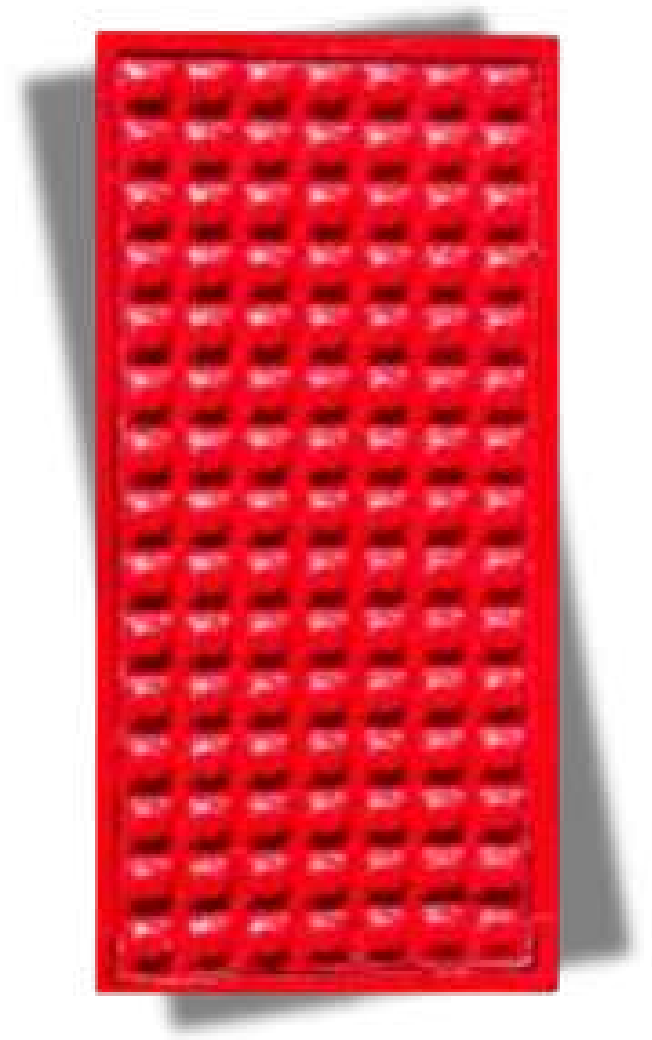
- Material:** The Fireshield-08 automatic fire extinguisher is made of durable aluminium body to withstand high temperatures and pressure.
- Size:** Contains 8gm of Aerosol, making it suitable for use in all closed applications.
- Activation:** Designed to automatically activate when exposed to 110°C, releasing the Aerosol to suppress the fire within 15-20 seconds.
- Installation:** Easy to install and can be mounted in various closed applications.
- Effectiveness:** Shall effectively suppress fires in closed applications such as electrical cabinets, server rooms, and other enclosed spaces.
- Maintenance:** No maintenance required.
- Certification:** Meets safety standards and regulations.
- Environmental impact:** Aerosol used in Fireshield-08 is non-toxic and environmentally friendly



FIRESHIELD-13

PRODUCT SPECIFICATION

<u>Type:</u>	Automatic Fire Extinguishing Sticker
<u>Capacity:</u>	13gm Aerosol
<u>Application:</u>	Can be used in all closed electrical appliances.
<u>Suppression Time:</u>	Can suppress fire within 20-30 seconds.
<u>Special features:</u>	Quick and efficient fire suppression
<u>Compliance:</u>	Meets industry safety standards and regulations
<u>Activation temperature:</u>	3800 C.



FIRE HUNTER

PRODUCT SPECIFICATION

<u>Type:</u>	Manual Fire Extinguisher
<u>Capacity:</u>	50gm Aerosol
<u>Application:</u>	Suitable for all initial fire areas like homes, offices, vehicles, small commercial spaces, etc.
<u>Suppression Time:</u>	Can suppress fire within 10 seconds
<u>Special Features:</u>	Easy to use, lightweight, and portable
<u>Compliance:</u>	Meets safety standards and regulations, including CE certification



PYROGEN –EXA Series

PRODUCT SPECIFICATION

Material: Pyrogen make Aerosol-based fire suppression cylinders are made of high-quality stainless steel material to ensure durability and longevity.

Size range: Ranges from 20gm to 5 Kg of Aerosol.

Activation: Designed to activate automatically when exposed to temperatures of 70°C – 180°C, releasing the fire suppression agent to quickly extinguish the fire. Activation temperature is customizable as per the requirement.

Coverage: As a thumb rule, 100gm of Aerosol is required for every 1 cubic meter (Enclosed Covered Area) .

Maintenance: No Maintenance required

Certification: Environmentally friendly and has zero ozone depletion potential with no global warming potential.

Safety features: Can be safely installed in high-vibration areas without the risk of leakage, as the product does not rely on built-in pressure

Warranty: The Pyrogen aerosol-based cylinder comes with a warranty of 1 year and the product has 10 years shelf life.



DSPA-5 SERIES

PRODUCT SPECIFICATION

- Material:** DSPA-5 series Aerosol Generators are manually throwable fire suppression units and are made of durable and heat resistant materials to withstand high temperature and pressure.
- Size:** Compact for handling and throwing at large fire with weights ranging from 1.65 kg to 6 kg depending upon the area to be covered.
- Activation:** Designed to activate and release aerosol to suppress any large fire within 25 to 40 seconds.
- Coverage:** Can cover up to 45M³ to 180M³ area and are also suitable for use in large and semi open areas like godowns, malls, storage rooms, libraries etc.
- Effectiveness:** Shall effectively suppress fires up to 30 minutes. Most suitable where fire has already broken out and temperature has risen in the range 800°C to 1500°C. Temperature comes down to the level of 50°C to 60°C in just 30 to 40 seconds.
- Maintenance:** No maintenance is required.
- Life span:** 15 years.
- Certification:** They are non-toxic, environmentally friendly and safe for human and animals, with no effect of oxygen or ozone depletion potential.



BRAHMASTRA

PRODUCT SPECIFICATION

- Material:** Brahmastra is a manually throwable fire suppression unit and is made of durable and heat-resistant materials to withstand high temperature and pressure.
- Size:** It is compact for handling and throwing at large fire with a weight of 5 kgs.
- Activation:** It is designed to activate and release aerosol to suppress any large fire within seconds.
- Coverage:** Can cover up to 150m³ area and is also suitable for us in large and semi open areas like go downs, malls, storage rooms, libraries etc.
- Effectiveness:** It shall effectively suppress fires within 120 seconds, preventing further spread and damage.
- Maintenance:** No maintenance is required.
- Certification:** Brahmastra is environmentally friendly and safe for humans, with zero ozone depletion potential.



Instant Responder

PRODUCT SPECIFICATION

The instant responder is a new and innovative tool designed to aid in the suppression of fires and for use as a personal protection device for fire fighters in emergency egress or entrance situation. It is physically and functionally similar to a smoke grenade with the major difference being that it delivers a highly effective aerosol fire suppression agent called aerosol.



IPEX–Impulse Powder Extinguishing Module

PRODUCT SPECIFICATION

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

The impulse discharge is achieved due to a special non-pressured 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.



BLAZE BUSTER

PRODUCT SPECIFICATION

- Material:** Blazebuster automatic fire suppression system is made of durable polyamide tube.
- Size:** Available in lengths ranging from 0.5mtr to 12mtr.
- Activation:** Designed to burst when exposed to temperatures within the range of 80°C - 180°C +/- 5°C, releasing the clean agent Fluro Ketone (FK) 5112 to suppress the fire within the protected area.
- Installation:** Easy to install and can be mounted in all vehicles by any person without any technical support.
- Effectiveness:** Designed to effectively suppress fires in the specified volume of protected area.
- Maintenance:** No maintenance required.
- Environment Friendly:** Environmentally friendly and safe for humans.



Water Mist Fire Detection and Suppression System

PRODUCT SPECIFICATION

Water Mist is a high- pressure firefighting system that employs micro droplets released through nozzles into protected areas. The system is safe, efficient, and environmentally friendly. With small pipe dimensions, large coverage, minimal water consumption, a compact pump unit, and a simple design, the high- pressure water mist is the optimum solution to protect against a fire.

BENEFITS OF A HIGH-PRESSURE WATER MIST SYSTEM:

1. Intelligent Use of Water:
2. Quick fire fighting
3. Less Damage
4. Reduce Down Time



Wide-Range Applications



Electric
Cabinets and
Server
Rooms



Public Buildings



Marines



Airports and Aviation



Transformers



Heavy Mining
Machinery



Buses and Public
Transport



Schools and Colleges



Industries and Machinery



HOSPITALS

CERTIFICATE NO:

DIPP187662



सत्यमेव जयते

Government of India
Ministry of Commerce & Industry
Department for Promotion of Industry and Internal Trade

#startupindia

CERTIFICATE OF RECOGNITION

*This is to certify that **VARUNA SAFETY SYSTEMS PRIVATE LIMITED** incorporated as a **Private Limited Company** on **20-12-2024**, is recognized as a startup by the Department for Promotion of Industry and Internal Trade. The startup is working in 'Safety' Industry and 'Others' sector as self-certified by them.*

*This certificate shall only be valid for the Entity up to **Ten** years from the date of its incorporation only if its turnover for any of the financial years has not extended ₹ 100 Cr.*


06-01-2025


DATE OF ISSUE



19-12-2034

VALID UPTO





CSIRO Verification Services
Clayton, Victoria, Australia
+61 3 9596 3400
<https://activefire.csiro.au>

Certificate of Conformity

Certificate num.	Registration date	Version	Issue date	Valid until	Page 1 of 5
afp - 1781	12-Oct-2005	27	2-Apr-2024	30-Apr-2025	

Product designation

Pyrogen™, EXA/EXA-M Series, pyrotechnically generated, aerosol fixed fire suppression system
(Refer to the Schedule/enclosures for further specified details)

Agent/distributor

Pyrogen Technologies (Aust) Pty Ltd
18 Barry Avenue, MORTDALE, NSW, AUSTRALIA, 2223

Registrant

Pyrogen Technologies (Aust) Pty Ltd
18 Barry Avenue, MORTDALE, NSW, AUSTRALIA, 2223

Producer

Pyrogen Technologies (Aust) Pty Ltd
18 Barry Avenue, MORTDALE, NSW, AUSTRALIA, 2223
Manufacturing address:
Pyrogen Manufacturing Ltd, Pte
No. 25, Jalan P3 L3/8, Bandar Sunway, 47500 SUBANG JAYA, SELANGOR, MALAYSIA

Conformance criteria and evaluation


The Pyrogen™, EXA/EXA-M Series, pyrotechnically generated, aerosol fixed fire suppression system has been evaluated and verified as conforming with the relevant requirements of the following criteria:

1. Australian Standard AS 4487-2013, 'Condensed aerosol fire extinguishing systems – Requirements for system design, installation and commissioning and test methods for components'.
2. International Standard ISO 15779-2011, 'Condensed aerosol fire extinguishing systems – Requirements and test methods for components and system design, installation and maintenance – General requirements'.
3. Australian Standard AS 1851-2012, 'Routine service of fire protection systems and equipment'.
4. NFPA Standard NFPA 2010-2006, 'Aerosol Fire Extinguishing Systems'.


This certification is issued within the scope of CSIRO Verification Services – Rules governing ActiveFire Scheme and is valid only for the product(s) as submitted for evaluation and verification of conformity, subject to the following conditions:


- Reference to details, installations and requirements, where documented as a schedule/enclosure with this certificate.
- The Registrant is responsible for their installation of conformity and ensuring that on-going production complies with the conformance criteria defined in this certificate.
- This certificate will not be valid if any changes or modifications are made to the product which have not been notified and validated by CSIRO Verification Services.
- This certificate is subject to periodical re-validation upon verification that all requirements, as determined by the conformity assessment body, continue to be satisfactorily met by the Registrant.
- This certificate may only be reproduced in its published form, without modification and inclusion of all schedule/enclosures.
- Any changes, errors or omissions, must be submitted in writing and if necessary or requested, substantiated with relevant evidence.
- Any representations, such as advertising or other marketing related activities or articles shall reflect the correct contents of this certificate and conform with all relevant trade practices and consumer protection legislation and regulations.
- Any terms or conditions of use as applicable to content and documentation as published or accessed through web site administered by the CSIRO Verification Services.

Issued by



Kai Loh
Executive Officer – ActiveFire Scheme





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The validity and authenticity of this certificate can be verified by the certification register located at <https://activefire.csiro.au>





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Clayton, Victoria, Australia
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<https://activefire.csiro.au>

Certificate of Conformity

Certificate num.	Registration date	Version	Issue date	Valid until	Page 1 of 5
afp - 2149	18-Dec-2007	22	12-Mar-2025	30-Apr-2026	

Product designation

Pyrogen™, IPEX Series, impulse powder fire extinguishing modules
(Refer to the Schedule/enclosures for further specified details)

Agent/distributor

Pyrogen Technologies (Aust) Pty Ltd
18 Barry Avenue, MORTDALE, NSW, AUSTRALIA, 2223

Registrant

Pyrogen Technologies (Aust) Pty Ltd
18 Barry Avenue, MORTDALE, NSW, AUSTRALIA, 2223

Producer

Pyrogen Technologies (Aust) Pty Ltd
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Manufacturing address:
Pyrogen Manufacturing Ltd, Pte
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Conformance criteria and evaluation

The Pyrogen™, IPEX Series, impulse powder fire extinguishing modules have been evaluated and verified as conforming with the relevant requirements of the following criteria:

1. International Standard ISO 15779-2011, 'Condensed aerosol fire extinguishing systems – Requirements and test methods for components and system design, installation and maintenance – General requirements'.
2. Australian Standard AS 1851-2012, 'Routine service of fire protection systems and equipment'.
3. NFPA Standard NFPA 2010-2006, 'Aerosol Fire Extinguishing Systems'.
4. Underwriters Laboratories Standard UL 2127, Edition 1, 'Standard for Inert Gas Clean Agent Extinguishing System Units'.
5. Australian Standard AS 4487-2013, 'Condensed aerosol fire extinguishing systems – Requirements for system design, installation and commissioning and test methods for components'.

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OUR WEBSITE

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VARUNA SAFETY SYSTEMS PRIVATE LIMITED
(An ISO 9001:2015 Certified Company)

Let's build a safer tomorrow together.
Reach out to us today.

