



THE FUTURE OF FOAM

EXTINGUISHERS IS HERE



CEASEFIRE FLUORINE-FREE FOAM PORTABLE FIRE EXTINGUISHERS



BALANCING FIRE SAFETY : **FOAM** **EXTINGUISHERS AND GREEN GOALS**

In the dynamic landscape of fire safety, foam-based extinguishers have long been a prevalent choice, preferred for their effectiveness in combating Class B fires. However, as we delve deeper into their widespread use, it becomes apparent that reliance on foam-based solutions may not be without its drawbacks. While these extinguishers have played a crucial role in fire suppression across diverse environments facing risk of fires with flammable liquids, concerns have emerged regarding their environmental impact and safety implications.



CHEMICAL FOAM: A DATED DILEMMA

The traditional foam fire extinguishers contain or may contain Perfluorooctanesulfonic acid (PFOS) or Perfluorooctanoic acid (PFOA). These fluorine chemicals are associated with C8 chemistry, are extremely stable and remain mobile in the environment for many decades.

These chemicals are a risk to the environment and human health, being a persistent organic pollutant (also termed as forever chemicals) found to accumulate in the general environment and human tissues with deleterious effects to both.



Understanding this serious environmental concern, governments across the globe are recognizing the need for a balance between effective firefighting and ecological responsibility, and have begun to shape the discourse around the usage of foam-based extinguishing agents.

“In India, the Central Pollution Control Board (CPCB) has issued a draft policy on phasing out foam-based extinguishers containing certain types of ozone-depleting substances (ODS). The policy proposes to ban the manufacture and import of ODS-containing foam extinguishers by 2024, and to phase out the use of existing ODS-containing foam extinguishers by 2028.

TRANSFORMING FIRE SAFETY WITH FUTURE-FORWARD FLUORINE-FREE FOAM

Recognizing the dynamic shifts in industry requirements and the urgent call for environmentally conscious solutions, Ceasefire's presents Fluorine-Free Foam Extinguishers. As the world navigates towards a future that places a premium on environmental responsibility, our Fluorine-Free Foam Extinguishers take centre stage as the pioneering solution.

Positioned at the forefront of innovation, Ceasefire's Fluorine-Free Foam Extinguishers are first of its kind that are poised to redefine the standards of fire safety, offering not just a product but a game-changing approach towards safeguarding lives and the environment.



FIGHTS CLASS

A B

STANDARDS

IS15683 PED

CERTIFICATIONS

IS: 15683
 
 CM/L-8886112 1128

CERTIFYING BODY

PAVING THE WAY TO A **GREEN FUTURE**

Traditionally, fire extinguishers have utilised foam formulations containing fluorine-based compounds, which, while effective in suppressing fires, raise concerns about environmental impact and safety.



In response to these challenges, Ceasefire has pioneered an innovative range of extinguishers that completely eliminate the use of fluorine. This Fluorine-Free technology not only ensures uncompromised fire extinguishing capability but also aligns with global environmental sustainability goals. Engineered to provide a safer and eco-friendly alternative, Ceasefire's Fluorine-Free Foam Fire Extinguishers mark a significant leap towards a greener and more responsible future in fire safety. As the industry shifts towards more environmentally conscious solutions, our Fluorine-Free Foam Extinguishers stand as a testament to Ceasefire's commitment to both effective firefighting and ecological responsibility.

FIRST OF IT'S KIND GREEN FOAM

Fluorine-free Formulation

Eliminates the use of fluorine-based compounds for an eco-friendly and sustainable fire extinguishing solution.



Green Screen Silver Certified Agent

This agent is totally free of fluorinated derivatives (PFAS including PFOS, PFOA) and is 100% biodegradable.

EN 1568-1/2/3/4 Compliant Agent

The standard critically tests foam for both extinguishment and burnback in sea and potable (fresh) water.

EN 1568:



Innovation in Action

A paradigm shift in fire safety technology, providing a safer and more sustainable choice for safeguarding lives and the environment.

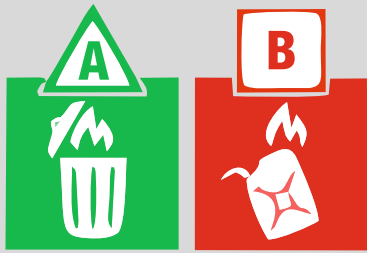
Aspirating Nozzles

Unique aspirating nozzles design ensures high ratings and effectiveness on Class B fires.



Cutting-edge Technology

Advanced Ceasefire technology ensures optimal firefighting power per unit of the agent.



Versatility

Works on Class A and B fires providing a comprehensive solution.

Deep Drawn Containers

Manufactured using a state-of-the-art deep draw process ensuring minimal seams and sturdy container body.



Inner Plastic Lining

Inner plastic lining ensures the containers stay rust-free in the long run.

User-friendly Design

Engineered for ease of handling, ensuring effective deployment during emergencies by individuals of varying experience levels.



World-class Quality

Comprehensive Helium Tests and Leak Tests also guarantee that the products you buy are manufactured according to the world's most stringent quality standards.



Global Compliance

Meets and exceeds international safety standards, offering a globally compliant solution for enhanced fire safety.

Warranty

The Ceasefire Fluorine-Free Foam Extinguisher comes with a 6 year warranty ensuring complete peace of mind.



Certifications

Conforms to ISI standards, BIS and is ISO 9001 certified.



WHAT'S NEW

Latest Upgrades That Make Ceasefire Extinguishers Unmatched In The Industry.

01- ENHANCED VALVE SYSTEM

Pressure Relief Valve (PRV)

Releases excess internal pressure before it reaches a dangerous level, providing an additional layer of safety for the user. This helps minimise the risks associated with excessive pressure build-up and enhances overall user safety during operation and handling.



Non-Return Valve (NRV)

Enables pressure gauge removal for checking or replacement while maintaining internal pressure. This simplifies servicing and maintenance, allowing essential service operations to be carried out more efficiently without the need to fully depressurise the extinguisher.



This enhanced valve mechanism delivers greater pressure safety and more efficient servicing, reducing the need to fully depressurise the extinguisher.

02- SCREEN-PRINTED CYLINDER LABEL



Moving beyond conventional applied labels, our extinguishers now feature screen-printed product information directly on the cylinder. The print offers excellent resistance to peeling, tampering, rubbing, scratching and common chemicals, along with high resistance to fading.

This ensures critical information remains clear, long-lasting and legible despite regular wear and tear, keeping essential safety and usage information readily accessible during emergency.

03- GLOW-IN-THE-DARK LOCATOR

Where conventional identification is depended on available ambient light, our extinguishers now feature a phosphorescent glow-in-the-dark cylinder locator to make the extinguisher easier to identify in dark and low-visibility conditions.

Manufactured without phosphor, lead-containing compounds or radioactive materials, the signage conforms to the DIN standard and exceeds the requirements of DIN 67510 Part 4. Under suitable light-charging conditions, it can continue to glow for several hours after lights-out.



This enhanced valve mechanism delivers greater pressure safety and more efficient servicing, reducing the need to fully depressurise the extinguisher.



04- ECO-FRIENDLY PACKAGING

Moving away from conventional packaging materials, our extinguishers are now packed using recyclable paper, corrugated board and natural rubber.

This enhanced valve mechanism delivers greater pressure safety and more efficient servicing, reducing the need to fully depressurise the extinguisher.

05- EASY-LUG MOUNT BRACKET

Replacing the earlier mounting arrangement, our extinguishers now feature an easy-lug mounting system with a secure “J” hanger.

The design makes mounting and removal quick, simple and convenient, while keeping the extinguisher securely positioned and readily accessible during an emergency.



TECHNICAL SPECIFICATIONS

Nomenclature	Fire Ext FFF 3L MS SP Red	Fire Ext FFF 6L MS SP Red	Fire Ext FFF 9L MS SP Red
Stored Pressure / Cartridge	Stored Pressure	Stored Pressure	Stored Pressure
Agent	Water + Fluorine Free Foam 6%	Water + Fluorine Free Foam 6%	Water + Fluorine Free Foam 6%
Agent Category	FFF	FFF	FFF
Product Code	CF-001475	CF-001476	CF-001477
Certification Standards	PED, IS-15683:2018	PED, IS-15683:2018	PED, IS-15683:2018
BIS	Yes	Yes	Yes
PED	Yes	Yes	Yes
Gross Weight (approx.)	5.50 Kg	9.60 Kg	13.65 Kg
Net Contents (approx.)	3 Ltr	6 Ltr	9 Ltr
Approx. Height Of Fire Ext.	445 mm	520 mm	615 mm
Discharge Mechanism	Squeeze Grip	Squeeze Grip	Squeeze Grip
Applicable On Fires	A & B	A & B	A & B
Fire Ratings	2A, 55B	3A, 113B	4A, 183B
Can Construction	Deep Drawn & MIG Welded	Deep Drawn & MIG Welded	Deep Drawn & MIG Welded
Valve / Cap Construction	Forging And Machining	Forging And Machining	Forging And Machining
Internal Coating	Plastic Lining	Plastic Lining	Plastic Lining
External Coating	Epoxy Polyester Powder	Epoxy Polyester Powder	Epoxy Polyester Powder
Warranty In Years	6	6	6
Working Pressure	15 Bar	15 Bar	15 Bar
Dia. Of Shell (OD)	140 mm	160 mm	175 mm
Operating Temperature	5°C to 60°C	5°C to 60°C	5°C to 60°C
Hydrostatic Test Pressure	35 Bar	35 Bar	35 Bar
Cylinder Material Spec.	Steel CR2(DC01)	Steel CR2(DC01)	Steel CR2(DC01)
Body Thickness	1.2 mm	1.4 mm	1.4 mm
PRV and NRV	Yes	Yes	Yes
Extinguisher Label	Screen printed	Screen printed	Screen printed
Glow in the Dark Fire Extinguisher Locator	Yes	Yes	Yes
Green Packaging (Environment Friendly)	Yes	Yes	Yes
Mounting Bracket	L Bracket with J hanger	L Bracket with J hanger	L Bracket with J hanger



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Please check the product specifications at the time of placing your order. Specifications can change without notice due to our continuous R&D and product improvisation initiatives.

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