



# THE FUTURE OF FOAM

# EXTINGUISHERS IS HERE



# CEASEFIRE FLUORINE-FREE FOAM PORTABLE FIRE EXTINGUISHERS

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# 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

**CERTIFYING BODY**

   
 Bureau of Indian Standards

# 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.

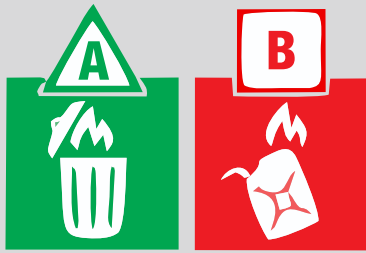
## Aspirating Nozzles

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.



# 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, BIS and IS-15683:2018	PED, BIS and IS-15683:2018	PED, BIS and 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 Class A Fire	8A	13A	21A
Fire Ratings Class B Fire	55B	113B	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



## Ceasefire Industries Private Limited

B1/ H1, 2nd Floor, Mohan Cooperative  
Industrial Estate, Mathura Rd, New Delhi - 110044

Tel: 011-4184 6800 | Call our Free Hotline : 1800 120 3473 / +91 9540 666 666



Scan the QR code  
to visit our website

Website : [www.ceasefire.in](http://www.ceasefire.in)

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