

SUSTAINABLE FIRE FIGHTING IN THE MARITIME SECTOR

Fluorine-Free Foams in Portable & Wheeled Fire Extinguishers



In line with the global transition toward **environmentally responsible firefighting practices**, fluorinated substances (PFAS group) previously used in the suppression of liquid (Class B) fires are increasingly being **restricted or banned by regulatory authorities** due to their environmental impact.

These substances were widely used thanks to their **film-forming properties**, which suppress flammable vapors from burning liquids and offer **high extinguishing efficiency**.

The IMO rules apply to every commercial vessel while EU requirements apply to vessels, that are calling at EU ports and/or flying under EU flag. Class societies, flag administrations and port state controls are expected to ensure compliance.

As a result, the **International Maritime Organization (IMO)** has implemented a **ban on PFOS in firefighting foams effective from 1 January 2026**. The EU issued **Regulation (EU) 2025/1988 under the REACH framework**, establishing **deadlines for the phase-out of PFAS-containing firefighting foams**:

Portable Fire Extinguishers

- **23 October 2026:** PFAS-based extinguishers can no longer be placed on the market
- **31 December 2030:** All PFAS-containing units must be withdrawn from service

Fixed Foam Firefighting Systems

- **23 October 2030:** Foam concentrates with PFAS above **1 mg/L** can no longer be placed on the market
- **23 October 2035:** Final transition deadline for fixed systems

LALIZAS PFAS Free Foam Fire Extinguishers

available in stock in every major commercial port



LALIZAS Fire Extinguishers, Portable, Cartridge Operated



Code / Language Label	EN, GR, CN	70416
	Capacity	6 L
Technical Data	Extinguishing agent	PFAS Free Foam
	Body	Steel
	Fire Ratings	21A113B
	Dimensions (mm)	600 x 310 x 165
	Weight (kg)	10,1
	Special Features	Cartridge CO ₂ , 60 g
	Base	Impact-resistant plastic base ring with hose nozzle holder, wall bracket for vertical mounting
Accessories	Nozzle	High durability hose, high surface coverage nozzle



Code / Language Label	EN, GR, CN	70417
	Capacity	9 L
Technical Data	Extinguishing agent	PFAS Free Foam
	Body	Steel
	Fire Ratings	27A183B
	Dimensions (mm)	620 x 290 x 205
	Weight (kg)	15,5
	Special Features	Cartridge CO ₂ , 120 g
	Base	Impact-resistant plastic base ring with hose nozzle holder, wall bracket for vertical mounting
Accessories	Nozzle	High durability hose, high surface coverage nozzle



LALIZAS Fire Extinguishers, Portable, Stored Pressure

Code / Language Label	EN, GR, CN	75939
	Capacity	9 L
Technical Data	Extinguishing agent	PFAS Free Foam
	Body	Aluminium alloy
	Fire Ratings	27A 183B
	Dimensions (mm)	180 x 630
	Weight (kg)	12,1
	Special Features	Aluminium valve, Shock-proof pressure gauge, Corrosion resistant
	Base	Wall bracket for vertical mounting
Accessories	Nozzle	Flexible hose & Spray nozzle

LALIZAS Fire Extinguishers, Wheeled, Cartridge Operated



Code / Language Label	EN, GR, CN	75940
	Capacity	50 L
Technical Data	Extinguishing agent	PFAS Free Foam
	Body	Stainless Steel
	Fire Ratings	A I V B C
	Dimensions (mm)	315 x 1030
	Weight (kg)	78,85 kg
	Special Features	Cartridge external N2, 105 bar, 2 L
	Base	Welded frame
Accessories	Nozzle	EPDM reinforced rubber hose 5 m, polyamide squeeze pistol & dielectric nozzle



Code / Language Label	EN, GR, CN	75941
	Capacity	150 L
Technical Data	Extinguishing agent	PFAS Free Foam
	Body	Stainless Steel
	Fire Ratings	A I V B C
	Dimensions (mm)	450 x 1370
	Weight (kg)	230 kg
	Special Features	Cartridge external N2, 160 bar, 3 L pressure gauge to check the pressurization
	Base	Welded frame
Accessories	Nozzle	EPDM reinforced rubber hose 5 m, polyamide squeeze pistol & dielectric nozzle

- Spare parts available
- Portable Foam Applicator (Set 72867) and Spare Low-Expansion Foam (72866) complied with the latest MSC regulation are also available.