

The Industry's First and Only ULC-Listed Synthetic Fluorine-Free Foam (SFFF) Fire Extinguisher

Tough Environments Demand Equipment You Can **RELY** On



This Earth Friendly foam agent features a proprietary Synthetic Fluorine-Free Foam (SFFF) pre-mix, fully free of PFAS, PFOA & PFOS additives. With an extended 5-year life cycle, it aligns with required cylinder hydrostatic test intervals - reducing maintenance costs and environmental impact.

Key Product Features

- **Durable Stainless Steel Construction** - Full stainless steel cylinder with a USCG-approved, high-quality UV-resistant red coating for enhanced durability in harsh environments.
- **Heavy-Duty Valve Assembly** - Nickel-plated brass valve with pressure gauge guard and built-in wall hanger loop.
- **Reinforced Handle** - Stainless steel handle and lever with large pull pin for secure activation.
- **Efficient Syphon System** - Welded Stainless Steel Syphon Tube
- **Corrosion-Resistant Nozzle** - Nickel-plated brass valve with integrated pressure gauge guard and wall hanger loop ensures robust protection and easy storage.
- **Low Magnetic Signature** - Built to minimize magnetic properties for compatibility with military applications.

Testing/Approvals: ULC 9S-554/S-508 and UL (UL-8/UL-711)
CFR-4 (EX28874) and **USCG** (162.028)
Non-Metallic (Mil-E-24091C)
USCG Approved EX28874 When Installed with Stainless Steel Bracket 81-682

Meets **NFPA-10** and **DOT/TC**
US Navy Spec. (Mil-DTL-24652A (SH)
Shock & Vibe (Mil 167-1A and 901E)

Hand Portable Synthetic Fluorine-Free Foam Fire Extinguisher Specification Sheet

Part Number:	FX194RL	Fire Rating:	2-A:10-B (ULC)
Model:	P2.5SFFF	Height:	62.2 cm (24.5 in)
Extinguisher Type:	Rechargeable Stored Pressure	Depth:	18.1 cm (7.13 in)
Agent Capacity:	9 L (2.5 Gallon SFFF Foam)	Width:	22.2 cm (8.75 in)
Agent Flow Rate:	0.45 kg/sec (0.36 lbs/sec)	Charged Weight:	28.6 lbs
Discharge Duration:	62 Seconds	Effective Range:	3 to 1.6 m (10 to 25 ft)
Operating Temperature:	+35°F (+1.6°C) to +120°F (+48.8°C)	Marine Bracket(s):	81-682 (81-681)
Operating Pressure:	100 psi	USCG Class:	Type-A & Type B, Size II

Introducing the Industry's First & Only ULC Listed Fluorine-Free Foam Portable Fire Extinguisher

A groundbreaking advancement in fire safety is now available: the first UL, ULC, and USCG-listed portable fire extinguisher using a synthetic fluorine-free foam (SFFF) agent. This new extinguisher model not only meets the stringent requirements of NFPA-10 for Class A and B fires but does so with a formulation that **contains no PFAS, PFOA, or PFOS**, offering a safer and more environmentally responsible solution.

For more than six decades, aqueous fluorinated film-forming foams (AFFF) have been the standard for many fire suppression applications. However, **mounting evidence has linked these additives to environmental and human health risks**, leading to global regulatory restrictions. In response, manufacturers have sought effective alternatives—but achieving reliable performance within portable fire extinguisher designs has proven especially difficult due to hardware and flow constraints.

What sets the new **RELY P2.5 SFFF** extinguisher apart is its successful certification under the UL 711 and ULC S508 standards. These harmonized standards provide rigorous, repeatable test protocols that ensure Class A and B performance in real-world, variable conditions. Unlike foam systems that rely on fixed plumbing and constant pressures, a stored-pressure extinguisher must deliver consistent fire control even as pressure declines during discharge. This dynamic environment places significant demands on agent formulation and hardware synergy.

The RELY unit features a 2.5-gallon SFFF agent charge, with a tested rating of 2A:10B, a discharge range of 10 to 25 feet, and over 60 seconds of sustained operation. Notably, the hardware includes:

- Fully welded stainless-steel cylinder
- Internally threaded, indexed valve collar
- Welded stainless syphon tube
- Oversized stainless steel pull pin with retainer
- Heavy-duty pressure gauge guard
- Anodized aluminum air-aspirating nozzle
- Protective red paint finish rated for 1,000-hour salt spray resistance (USCG marine approval)

This industry first was the result of years of extensive R&D, evaluating multiple agent and hardware configurations to achieve optimal foam expansion, drain time, flow rate, and knockdown performance. In addition to passing the UL/ULC/USCG requirements, the extinguisher was also validated to meet specific Department of Defense specifications.

It's important to underscore that stored-pressure extinguishers differ significantly from piped foam systems: a stored-pressure extinguisher must deliver variable flow characteristics over its discharge cycle. This makes achieving certification even more challenging—requiring that the agent's behavior during early, mid, and late discharge phases remain within performance thresholds.

With this achievement, RELY has set a new benchmark for environmentally responsible firefighting technology in the portable segment—without compromising on performance or compliance.

It's called Rely for a reason..."The Quality Speaks for Itself"

Flame-Tamer is NOW taking orders for the new SFFF Extinguisher & Recharge

Keep an eye out for the exciting news on ABC & Purple K units coming soon!