



شركة المصنع السعودي لأجهزة الإطفاء
SAUDI FACTORY FOR FIRE EQUIPMENT Co.

Empowering
a Safer Future for
the Kingdom

Power
Pre-Mixed
Foam Unit



Quality Approvals for Various Products and Services

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Power Pre-Mixed Foam Unit



General Description

Offshore oil and gas exploration and platform hookups come with a constant, high-stakes risk of fire. To safeguard your crew and infrastructure against these hazards, SFFECO provides professional-grade Aqueous Film Forming Foam (AFFF) premix units. Engineered to meet the most rigorous national and international safety standards, these durable systems offer rapid-response fire suppression you can rely on. Whether your project is a short-term temporary assignment or a permanent offshore installation, SFFECO's foam units deliver the rugged performance and peace of mind needed in the world's most demanding environments.

Advanced Engineering & Robust Construction

The SFU series is engineered to endure the most unforgiving marine environments. Each unit features a high-strength, rugged welded steel frame integrated with corrosion-resistant stainless steel hardware, including all nuts, bolts, and hinges. This meticulous material selection ensures structural integrity and eliminates the risk of galvanic corrosion, which is critical for long-term offshore survival.

Precision Pressure Vessel Systems

These self-contained fire suppression packages are built around high-capacity premixed pressure vessels, available in 250L, 600L, or 1200L configurations to suit varying risk profiles. To ensure split-second readiness, the vessels are maintained under constant pressure using dry nitrogen. The nitrogen supply is housed in a dedicated, heavy-duty steel locker and managed via precision regulators, ensuring the system is primed for immediate discharge the moment an emergency occurs.

Centralized Control & Ergonomic Access

All critical operating valves are strategically centralized within a weather-protected steel locker. This design allows for rapid local operation while protecting sensitive components from salt spray and impact. Access is provided via a heavy-duty hinged door, ensuring that operators can engage the system quickly and safely under high-stress conditions.



High-Performance Discharge & Deployment

The units are equipped with versatile hose reel configurations to ensure maximum coverage:

SFS 250 & SFS 600: Typically outfitted with a single 30-meter, 25mmØ reinforced rubber hose terminating in a high-efficiency 190 L/min aspirating foam nozzle.

SFS 1200: Features dual hose reel systems for multi-point suppression or simultaneous attack from different angles.

Remote Capabilities: For added safety, both skid units can be upgraded with remote actuation gear, allowing personnel to trigger the system from a safe distance.

Offshore Readiness & Logistics

Every aspect of the material finish is optimized for the rigors of the open sea. For seamless logistics, each unit includes integrated lifting lugs and secure tie-down eye hooks, allowing for easy crane handling during transport and rock-solid stability once installed on the platform.

Technical Data

Models	SFS 250	SFS 600	SFS 1200
Foam Tank Capacity	250 L	600 L	1200 L
Nitrogen Cylinder	1x300 cu ft. with Valve, Regulator, Gauges, and Manifold	1x300 cu ft. with Valve, Regulator, Gauges, and Manifold	2x300 cu ft. with Valve, Regulator, Gauges, and Manifold
Operating Pressure	14 Bar		
Foam Liquid	AFFF 3%		
Hose Reel	One number of Manual Rewind Hose Reel with 25mm x 30m Rubber Hose with Valve and Foam Branch	Two number of Manual Rewind Hose Reel with 25mm x 30m Rubber Hose with Valve and Foam Branch	
Jet Length	22m - 25 m		22m - 25 m
Tank Material	Welded Steel to ASME Code		
General Construction	Welded Steel with Stainless Steel Nuts, Bolts, Hinges, etc.		
Valve Fittings	Brass & Chrome Plated		
Empty Weight		775 Kg (1705 lb)	1016 Kg (2235 lb)
Full Weight		1486 Kg (3269 lb)	2352 Kg (5174 lb)
Total Height		1.85 m (6.1 ft.)	2.2 m (7.2 ft.)
Total Width		1.25 m (4.1 ft.)	0.95 m (3.1 ft.)
Total Depth		1.3 m (4.25 ft.)	1.6 m (5.2 ft.)
Finish	Electrostatic Polyester Powder		



Since 1983, SFFECO has been a trusted name in fire protection, known for innovation and quality worldwide.

With state-of-the-art facilities in Riyadh and Dubai, we deliver a complete range of firefighting solutions that meet international standards.

Our innovative approach and comprehensive product portfolio make SFFECO the one-stop destination for reliable fire protection products and services.

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