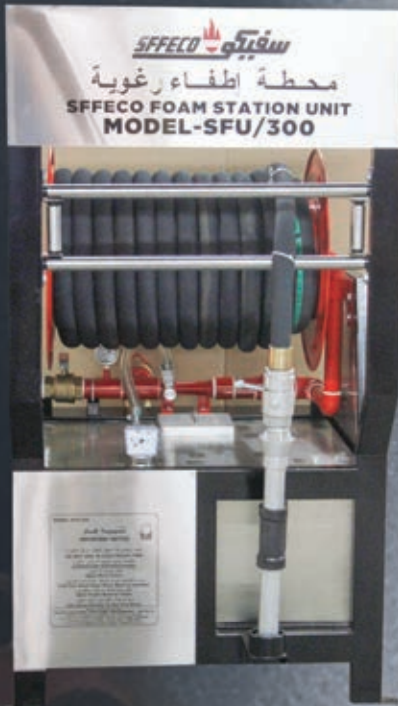




شركة المصنع السعودي لأجهزة الإطفاء  
SAUDI FACTORY FOR FIRE EQUIPMENT Co.

Empowering  
a **Safer Future** for  
the Kingdom



**Foam**  
Station Unit  
SFU/300

Quality Approvals for Various Products and Services

VER: 00-03/26

# FOAM Station Unit

## SFU/300



### General Description

The SFFECO Foam Station Unit is engineered to exceed the rigorous demands of Civil Defense authorities and the global Oil & Gas sector. In the high-stakes environment of Class B liquid combustible fires, performance is measured in seconds.

Recognizing that rapid suppression is the only way to prevent catastrophic escalation, SFFECO has developed a system that transitions from standby to full operational force in moments. As the Middle East's pioneer in foam suppression technology, SFFECO combines decades of regional expertise with world-class engineering to deliver a unit that is as dependable as it is powerful.

### Features:

Hose is made of special synthetic rubber that is water and age resistant for long life reinforced by spiral wound, round steel wire, wrapped on heavy duty reel mounted on special ball bearings for immediate action. Hose size 1" or 1 1/4" x 30 M. Other sizes are available upon request.

Foam Tank is made of stainless steel to resist corrosion, capacity 250 Litre of Concentrate Foam, other capacities are available upon request.

The Tank is equipped with large mouth fill fitting for easy replenishment of foam.

Foam Branchpipe is made of stainless steel and it is controllable. Also Elkhart Nozzle Model SM-10FG can be used for water and Foam Nozzle.

Heavy Duty Foam Inductor which is equipped with Controllable Foam mixing from 0-6%.

Foam Throw from Branchpipe about 15M. which provides safety for the operator.

Equipped with quick opening high pressure ball valve which shorten the time needed to operate the unit.

The time needed to operate the unit equals 1/8 of the time of regular foam cabinet with canvas hose.

Fully controllable, can be operated by one operator only.

Equipped with special valve for Fire Department Connection, upon request, to supply the unit with water.

Designed specially to suit the weather conditions of G.C.C.

### Technical Overview

All materials and parts have been chosen to minimize maintenance requirements. 250 Litre Stainless Steel tank mounted on chassis. All parts and fittings are designed to resist corrosion. All parts have been treated and electrostatic paint is applied. The unit is heavy duty built, can be used very effectively on Offshore Installation.

### Standard components of SFU/300

**Rubber Fire Hose:** 1" or 1 1/4" x 30 Meter reinforced by spiral wound, round steel wire. Water and age resistant; can withstand pressure up to 680 PSI. (Other lengths available are 15M and 20M.)

**Foam Branchpipe:** Made of Stainless steel and its controllable, light weight can be used as water jet gun Model S2-15.

**Foam Proportioner/Inductor:** The design of the proportioning unit enables exact admixing rate between 1% and 6% of the passing water. Equipped with bypass system, varnished red colour. Model Z2.

**Foam Liquid Indicator:** Mechanical type to confirm always to operator amount of Foam the unit has.

**Angle Valve:** 2.5" Angle Valve with Cap for Water connection NST Thread. Also available 2" Valve with quick coupling 2.5" B.S. Standard.

**Ball Valve:** 2" Ball Valve can withstand high pressure, very easy to open to minimize the idle time for operation.

**Pressure Gauge:** To indicate always the system pressure and to confirm proper water and pressure available in the system.

**The Reel:** Made of special sheet up to 2mm thickness. The outer edge of reel is rolled out over to give a safe handling edge on the outer rims. Aluminum 3 mm thickness reels available upon request.

**Stainless Steel Foam Tank:** Capacity 250 L. Equipped with large diameter filler cap which allows adding foam concentrate whilst under operation.

**Operating Instructions Plate:** Made of stainless steel; all instructions of operations are silk screened to the unit. No sticker.

**Name Plate:** Made of stainless steel, Silk Screen printed from both sides readable from long distance.

# FOAM Station Unit

## SFU/300



### Optional Fittings

- ❖ Foam Inductor: Model Z4, capacity 400 L/M.
- ❖ Low Foam Branchpipe: Model S4-15 to match with Inductor Model Z4.
- ❖ Medium Foam Branchpipe: Model S4-75 to match with Inductor Model Z4.
- ❖ Lifting Lugs: To lift the unit from 4 corners.
- ❖ Wheels: Heavy duty wheels can be mounted upon special request.
- ❖ Cover: To cover hose from direct sunlight, Model SFU/P17.
- ❖ Elkhart Foam & Water Nozzle: Model SM-10FG, free swivel Base, finish hard anodized. Available instead of Foam Branchpipe S2-15.

### Typical Performance Data

Input Pressure at Inductor (Bar)	Total Water Flow (L/M)	Total Foam Produced (L/M)	Foam Throw from Branchpipe (M)	Duration Time for Foam Setting at 3% (Approximate)
5	180	1800	15	28 min.
6	198	1980	17	26 min.
7	215	2150	19	23 min.
10	260	2600	More Than 20M	20 min.

### Class of Fire:



**A** Solid matters forming glowing residues.  
e.g. wood, rubber  
(car tires), paper, textiles.



**B** Liquid combustible matter e.g. petrol, oils,  
grease, ether, alcohol.

### Foam types suitable for MF 150

- ❖ Sthamex AFFF 3% or 6%: Aqueous film forming low expansion Foam concentrate.
- ❖ Sthamex 3% Multipurpose: Synthetic Multipurpose Foam Concentrate.
- ❖ Moussol-aps 3%: Alcohol resistant Universal Foam Concentrate Polymer.



**CAUTION:**  
NOT FOR USE ON LIVE  
ELECTRICAL EQUIPMENT





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.

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

### FACTORY & HEAD OFFICE - RIYADH

2nd Industrial Area, Al-Kharj Road, Riyadh, KSA, P.O. Box: 58469, Riyadh 11515  
Tel : +966 11 2650070, E-mail: riyadh@sffeco.com.sa

### JEDDAH BRANCH

P.O. Box: 16769, Jeddah - 21474, KSA  
Tel : +966 12 670 6009,  
E-mail: jeddah@sffeco.com.sa

### DAMMAM BRANCH

P.O. Box: 7162, Dammam - 31462, KSA  
Tel : +966 13 8351961,  
E-mail: dammam@sffeco.com.sa

### MADINAH BRANCH

Tel : 0148660959, 0148283256,  
E-mail: madinah@sffeco.com.sa

