



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

Empowering
a **Safer Future** for
the Kingdom



General **Foam** Equipments

- ❖ Foam Generator
- ❖ Foam Eductor
- ❖ Foam Pourer
- ❖ Air Foam Chamber

Quality Approvals for Various Products and Services

ER-00-05/26

FOAM Equipment

Foam Generator



General Description

The SFFECO Foam Generator is a high expansion foam device designed for total flooding applications, making it ideal for areas such as basements, mines, tunnels, cable ducts, and warehouses. Powered by a water turbine and aerofoil fan, it requires only a pressurized water supply and high expansion foam concentrate to operate, providing rapid and effective foam coverage where it's needed most.

These generators are not only excellent for fire suppression but are also ideal for rapid smoke extraction and positive pressure ventilation. In addition, they are highly effective in controlling fuel spill fires and wildland fire timber breaks, offering versatile protection for a range of challenging fire scenarios.

Built from stainless steel or alloy metal and finished with corrosion-resistant coatings and powder coating, the SFFECO Foam Generator ensures durability and reliable performance even in harsh weather and demanding environmental conditions. Robust, efficient, and dependable, it's the ultimate solution for high-risk areas requiring total flooding foam protection.

Water Pressure, Bar	Discharge, Water LPM	Discharge Foam CFM
4	210	3300
7	300	6000
10	385	7800

Mini Foam Generator



The SFFECO Mini Foam Generator is a compact, high-expansion foam device designed for total flooding applications in confined or hard-to-reach spaces. Powered by a water turbine and aerofoil fan, it operates with just a pressurized water supply and foam concentrate. Durable stainless steel or alloy construction with corrosion-resistant coating ensures reliable performance in all environments, making it ideal for basements, tunnels, cable ducts, and small warehouses.

FOAM Equipment

Low Expansion Foam Branch Pipe



General Description

SF-17

1 ½" NH female swivel inlet base, full foam and waterway through aluminium tubing, 305LPM @ 7 Bar.

SF-18

2 ½" NH female swivel inlet base, 660LPM @ 7 Bar other spec. are same as SF-17

SF-18B

2½" NH female swivel inlet base with hand operated ball valve, 660LPM @ 7 bar

SF-19A

2½" NH female swivel inlet base, 660LPM @ 7 bar other spec. are same as SF-17

SF-19Q

2 ½" quick coupling, 400/650LPM @ 3.5 Bar other spec. are same as SF-17

SF-19GM (Powerful foam cannon)

3" NH female swivel inlet base, 500 GPM @ 7 bar

SF-19GM-A (Powerful foam cannon)

3" NH female swivel inlet base, 750 GPM @ 7 Bar and 1000 GPM Optional

SF-19-E (Electric operation)

All specifications are the same as model SF-19GM-H

SF-19GM-H (Electro-Hydraulic operation)

2½" (3" optional) NH female swivel inlet base, 500 GPM @ 7 bar and 1000 GPM optional. 3 kinds of operation method and blabber mouth, manual operation, electric operation and electro hydraulic operation.

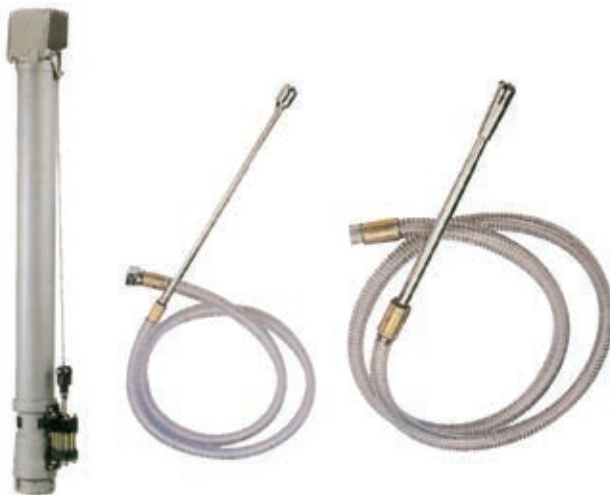


SF-17

SF-18

SF-18B

SF-19A



SF-19 GME

PICK-UP HOSE

FOAM Equipment

Eductor



General Description

The SFFECO Foam Eductor is designed to deliver a consistent and powerful foam solution by efficiently mixing foam concentrate into a water stream. Perfect for tackling fires in areas handling flammable liquids, it ensures rapid and effective fire suppression when every second counts.

Made from bronze for long-lasting performance, with stainless steel and aluminum alloy options available for specialized needs. The bright red painted finish enhances visibility and provides protection against corrosion, keeping your system ready for action at all times.

Ideal for portable or fixed foam systems, from storage tanks to refineries and chemical plants. Its robust design and simple installation make it a dependable, low-maintenance solution for safe and efficient fire protection.



Model	Size	Flow Rate (LPM at 7 Bar)	Nozzle
SF-28 S	1½"	100–200	SF-17
SF-28 B	2½"	350–650	SF-18, SF-18B, SF-19A, SF-31-2
SF-29	2½"	600–950	SF-14B, SF-15B
SF-30	1"	50	

FOAM Equipment

Air Foam Chamber



General Description

SFFECO Air Foam Chambers provide reliable protection for flammable liquid storage tanks by delivering foam smoothly over the fuel surface to control and suppress fire risks. Installed on the tank shell just below the roof, the system ensures safe and effective foam application with minimal disturbance to the liquid.

Each unit is designed as a complete solution, featuring a built-in foam maker with a stainless steel air inlet, along with all essential components for efficient operation. The internal deflector gently directs the foam along the tank wall, improving coverage and safety. Flexible installation options, including split deflectors, make it suitable for both new tanks and existing installations.

Technical Data

Model	Inlet Size	Outlet Size	K.Factor
50 / 80	2"	3"	43.4 to 127
65 / 100	2½"	4"	115.4 to 254
80 / 150	3"	6"	230.9 to 508
100 / 200	4"	8"	461.8 to 1016
150 / 250	6"	10"	928.6 to 1524.2

- ❖ Working Pressure : Min 3 Bar / Max 7 Bar
- ❖ Finishing : Red Epoxy paint
- ❖ Connection Flange : ANSI B16.5 Class 150 #

FOAM Equipment

Inline Proportioner



General Description

SFFECO Inline Foam Inductor is designed to introduce foam concentrate into the water stream, delivering a properly proportioned foam solution to foam-generating equipment.

It provides a simple, reliable, and cost-effective method of proportioning, particularly suited for fixed installations and constant flow applications. Each inductor is calibrated for a specific water pressure and flow rate to ensure accurate mixing.

Any variation in inlet pressure will affect the flow rate, which may consequently alter the proportioning accuracy.

- ❖ Installed in the hose line or cabinet piping
- ❖ Foam concentrate is drawn from a portable foam can or small tank
- ❖ Used for manual firefighting

Model	Size – Inlet/Outlet	Flow Rate Outlet (LPM at 7 Bar)
50*	2"	75–225
65*	2½"	200–450
80*	3"	400–900
100*	4"	750–1750
150*	6"	1600–2750

- ❖ Test pressure : 25 Bar
- ❖ Finishing : Red or Natural Fin
- ❖ Connection Flange : ANSI B16.5 Class 150#
- ❖ *Specify **B Bronze / A Aluminium / S Stainless Steel**

FOAM Equipment

Rim Seal Pourer

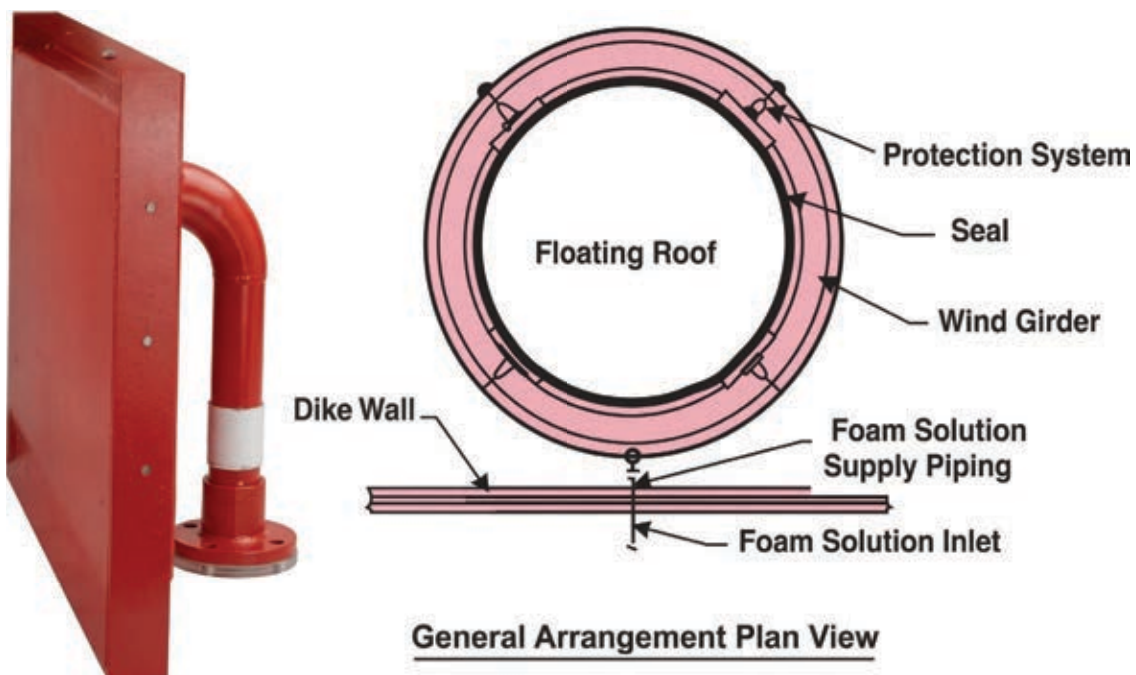


General Description

The SFFECO Rim Seal Pourer is specially designed to provide effective fire protection for vertical open-top floating roofs (OFTRs). In the event of a fire, the rim seal pourer produces expanded foam and delivers it in a controlled mass flow, helping to quickly suppress flames and protect the tank's critical components.

Constructed from stainless steel or high-quality metal alloys, the Rim Seal Pourer is built for durability and long-term performance. Its corrosion-resistant coating ensures reliable operation even under harsh weather conditions, extreme temperatures, or exposure to environmental wear and tear, making it a dependable choice for outdoor and industrial installations.

With its robust design and efficient foam delivery, the SFFECO Rim Seal Pourer is an essential component for safeguarding flammable liquid storage tanks. It provides peace of mind by combining high-performance firefighting capability with long-lasting resilience, ensuring that your storage facilities remain protected around the clock.





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

