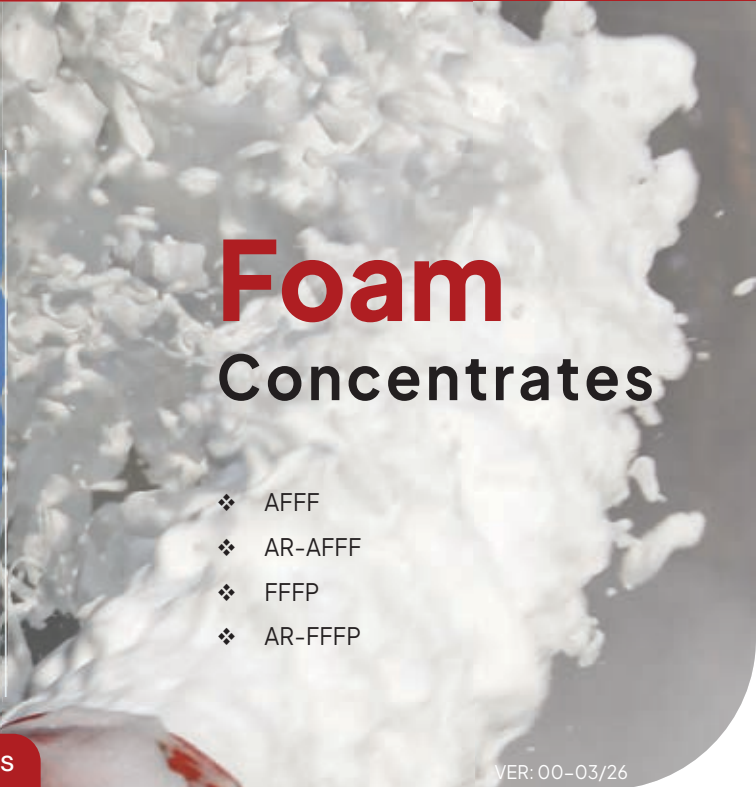




شركة المصنع السعودي لأجهزة الإطفاء
SAUDI FACTORY FOR FIRE EQUIPMENT Co.

Empowering
a **Safer Future** for
the Kingdom



Foam Concentrates

- ❖ AFFF
- ❖ AR-AFFF
- ❖ FFFP
- ❖ AR-FFFP

Quality Approvals for Various Products and Services

VER: 00-03/26



The Global Standard in Fire Safety

Since 1983, SFFECO has been the trusted name and a recognized global leader in manufacturing top-tier fire-fighting equipment. We don't just offer products; we provide total fire safety solutions like fire doors, fire cabinets, fire pumps, fire extinguishing systems, etc. Our commitment to excellence is certified by multiple international standards, including ISO 9001 (Quality), ISO 14001 (Environmental), and ISO 45001 (Health & Safety). With state-of-the-art facilities in Riyadh and Dubai, we ensure every product meets rigorous international quality standards.

One-Stop-Shop for Fire Protection

SFFECO is your single source for everything in fire protection and fire-fighting. Represented in over 100 countries through a vast network of dealers, our innovative approach and comprehensive, end-to-end product range deliver the full spectrum of solutions you need. We're dedicated to keeping you safe and updated, constantly integrating the latest fire-fighting technology into our knowledge and services. Choose SFFECO and get certified quality, global reach, and pioneering innovation—all in one place.



Quality Services

SFFECO is deeply committed to ensuring superior performance and accuracy in every product it delivers. This dedication is maintained through continuous, close collaboration with a wide array of stakeholders, including key certification bodies, government regulatory agencies, industry partners, and leading technology associations. This concerted effort focuses on the development and delivery of truly innovative and high-quality fire-fighting solutions. The commitment to excellence is rigorously upheld through extensive product testing and evaluation, alongside a strict, ongoing process for continued product quality compliance, guaranteeing that SFFECO's equipment operates with assured reliability when it matters most.

SFFECO is dedicated to providing fire safety products of the highest quality and performance. We achieve this by working closely with certification bodies, government regulatory agencies, industry partners, and technology associations. This collaboration ensures our innovative products are backed by extensive product testing and evaluation, and maintained through continuous quality compliance.

As global leaders since 1983, SFFECO believes in manufacturing quality products and offering exceptional service standards worldwide. Our primary goal is to reward our customers by keeping their investments safe and secure. Our manufacturing plant has steadily grown and is now equipped with modern hi-tech equipment and staffed by highly skilled professionals. With optimal ISO-certified operations, we consistently roll out products that match global standards to serve the needs of the growing fire safety market.



Empowering
a **Safer Future** for
the Kingdom



Foam Concentrates

General Description



Description







SFFECO Foam Concentrates are high-performance firefighting agents designed to control, suppress, and extinguish fires involving flammable and combustible liquids. When proportioned with water and discharged through suitable foam equipment, the concentrate produces a uniform foam blanket that spreads rapidly across the fuel surface. This blanket suppresses flammable vapors, isolates the fuel from oxygen, and helps prevent re-ignition.

SFFECO Foam Concentrates are formulated to deliver rapid fire knockdown, excellent spreading characteristics, and reliable performance in demanding fire protection applications. They are suitable for use in both fixed foam fire protection systems and mobile firefighting equipment.



Applications

- ❖ SFFECO Foam Concentrates are designed for protection of facilities where flammable liquids are stored, processed, or handled.
- ❖ Oil and gas refineries and processing plants
- ❖ Petrochemical and chemical manufacturing facilities
- ❖ Aviation fuel storage areas, airport hangars, and helipads
- ❖ Fuel storage terminals and tank farms
- ❖ Marine terminals, ports, and offshore platforms
- ❖ Power generation plants and transformer protection
- ❖ Industrial plants handling flammable liquids
- ❖ Warehouses and logistics facilities storing hazardous materials
- ❖ Fire brigades and emergency response units

Advantages of Foam Concentrates:

| | | |
|---|---|---|
|  |  |  |
| Produces a cohesive blanket | Flows freely | Has slow drainage rate |
|  |  |  |
| Has cooling effect | Resists the spill | Resists heat |

Class of Fire:

| | |
|---|---|
|  | Solid matters forming glowing residues. e.g. wood, rubber (car tires), paper, textiles. |
|  | Liquid combustible matter e.g. petrol, oils, grease, ether, alcohol. |

| | |
|---|---|
|  | CAUTION: NOT FOR USE ON LIVE ELECTRICAL EQUIPMENT |
|---|---|

System Compatibility

| | | | | | |
|---|---|---|---|---|---|
|  |  |  |  |  |  |
| Foam proportioning systems | Foam monitors | Foam chambers and foam pourers | Foam sprinkler systems | Foam branch pipes and hose nozzles | Mobile foam units and foam trailers |

FOAM Concentrates



| | High Expansion Foam Concentrates [1 - 3%] | Alcohol Type Foam Concentrates [ATC] | | Fluoro Protein Foam Concentrates | | Foam Concentrate for A class Fires | Aqueous film Forming Foam Concentrate [3% - 6%] | |
|---------------------|---|--------------------------------------|-------------------------------|----------------------------------|----------------------------|------------------------------------|---|--------------|
| Property | SFFECO HEF | 3 X 3% | 3 X 6% | 3% | 6% | SFFECO CLASS A FOAM 0.1-1% | | |
| Appearance | Clear liquid | Amber coloured viscous liquid | Amber coloured viscous liquid | Dark brown coloured liquid | Dark brown coloured liquid | Yellow colored liquid | Amber liquid | Amber liquid |
| pH@ 20 °C | 6.5 - 8.5 | 6.5 - 8.5 | 6.5 - 8.5 | 6.0 - 7.5 | 6.0 - 7.5 | 6.5 - 8.5 | 7 - 8.5 | 7 - 8.5 |
| Sp. Gravity @ 20 °C | 1.00 - 1.03 | 1.00 to 1.03 | 1.00 to 1.03 | 1.11 to 1.15 | 1.08 to 1.12 | 0.98 - 1.20 | | |
| Freezing Point | 0 °C | 1.7 °C | 1.7 °C | 6.7 °C | 0 °C | 0 °C | <0 °C | <0 °C |
| Viscosity @ 20 °C | Less than 10 cSt | Non Newtonian fluid* | Non Newtonian fluid* | Less than 30 cSt | Less than 30 cSt | ≤20 cST | <7 cst | <5 cst |
| Sediment | Maximum 0.25% | Maximum 0.25% | Maximum 0.25% | Maximum 0.5% | Maximum 0.5% | 0.10 % | | |
| *Expansion Ratio | ≥ 200 : 1 | ≥ 7 : 1 | ≥ 7 : 1 | ≥ 6 : 1 | ≥ 6 : 1 | ≥ 7 : 1 | 7 - 12 | 7 - 12 |
| *Drainage (25 %) | ≥ 2 min | ≥ 7 min | ≥ 7 min | ≥ 4 min. | ≥ 3 min. 30 sec. | ≥ 3 min | >120 Sec | >120 Sec |
| Sp. Gravity | | | | | | | 1.00 - 1.02 | 1.00 - 1.02 |
| Miscibility | | | | | | | Miscible | Miscible |
| Sludge content | | | | | | | <0.1 % | <0.1 % |

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

