

PRODUCING TRUST IN  
FIRE AND SAFETY



# SFFECO GLOBAL PRODUCT PORTFOLIO



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**SFFECO GLOBAL** was founded in 1983 with the slogan of PRODUCING TRUST IN FIRE AND SAFETY. Since inception **SFFECO GLOBAL** has expanded and built key business relations in over 100 countries across Middle East, Asia, Europe, Africa and North America.

**SFFECO GLOBAL** offers a wide range of products for Fire Fighting, Rescue and Support Vehicles, Fire Fighting Trucks, Mobile Health Care Units, Diesel Engines, Fire Pumps, Hydrant Systems and Clean Agent Systems making us a one stop shop for firefighting and health and safety products.

Our vision is to become a global business leader by delivering high quality, certified products and building business relations based on integrity and reliability.

**SFFECO GLOBAL** today has successfully been a part of some well-known projects worldwide. Our success is driven by the passion to succeed and be the best in the industry globally by being the first choice of our customers.

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Global And International Certification

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**SFFECO** with its more than 35 years of experience has always been a progressive organization that has remained in the forefront of the fire fighting industry with innovative, re-engineered and unique products.

**SFFECO** in its state-of-the-art manufacturing plants in RIYADH & DUBAI works in close connections with renowned governmental and certification bodies to provide key answers to the challenges faced by the society.

**SFFECO** brings together over 3-Decades of expertise and experience in form of Design, Consultancy, Testing, Commissioning, After sales support of fire protection and fire fighting systems.

# FIRE FIGHTING EQUIPMENT SPECIALIST

**SFFECO** is a well known and renowned brand for its fire fighting products. Our focus remains on building and engineering products that push the boundaries of innovative minds to deliver nothing but the best. We incorporate technology into our existing range of fire fighting products along with researching and developing new products to provide world class and certified products

**SFFECO** was the first ISO certified fire fighting company in middle east and since has also been certified by LPCB of UK and TUV of Germany. Our fire fighting and fire safety product range is certified by many global standards like UL, FM, BSI, LPCB and other global standards. Our goal is to deliver the best with highest customer satisfaction. We provide end to end solutions for multiple industries through our products, experience and expertise. We are constantly researching new ways and products for fire and safety.





# FIRE PUMP SYSTEMS







# CENTRIFUGAL BARE SHAFT FIRE PUMPS



## END SUCTION FIRE PUMP

FLOW CAPACITY:  
50 gpm - 1000 gpm

50/60 hz

Pressure range:  
68 - 234 psi (4.6 - 16.13 bar)

MAX. WORKING PRESSURE  
175 psi - 315 psi



## SPLIT CASE FIRE PUMP

FLOW CAPACITY:  
150 gpm - 3500 gpm

50/60 hz

Pressure range:  
88 - 335 psi (6.07 - 23.10 bar)

MAX. WORKING PRESSURE  
220 psi - 410 psi



## VERTICAL TURBINE FIRE PUMP

FLOW CAPACITY:  
200 gpm - 2000 gpm

Pressure range:  
40 - 355 psi (2.76 - 24.48 bar)

50/60 hz

MAX. WORKING PRESSURE  
290 psi - 395 psi





# CERTIFIED FIRE PUMP SKIDS



## DIESEL DRIVEN SKIDS

SFFECO is an established well reputed manufacturer of Premium Custom Engine Driven Centrifugal Fire Pump Skids. We specialized in designing and developing packages in accordance to NFPA-20 requirements with Listed & Approved Drivers.

SFFECO offers listed Centrifugal Fire Pump Skids that meet every fire protection need.



- Driven by Listed & Approved Diesel Engines.
- Well aligned and Coupled for Direct Operation.
- Skid Packages are Pre-Tested and Inspected thoroughly before release to customers.
- One piece base plate with Anchor Bolt holes.
- Engineered, coated, hot rolled mild steel to resist corrosion and abrasion.
- Heavy Fabricated C-Channel Structure constructed to provide proper alignment of Pump with Diesel Engine or Pump.
- Compact skid Design with Small Foot-Print for Retrofit.
- High standard of Quality in material Construction finish and Workmanship.

## MOTOR DRIVEN SKIDS

SFFECO is an established well reputed manufacturer of Premium Custom Motor Driven Centrifugal Fire Pump Skids. We specialized in designing and developing packages in accordance to NFPA-20 requirements with Listed & Approved Drivers.

SFFECO offers listed Centrifugal Fire Pump Skids that meet every fire protection need.



- Driven by Listed Electric Motors.
- Well aligned and Coupled for Direct Operation.
- Skid Packages are Pre-Tested and Inspected thoroughly before release to customers.
- One piece base plate with Anchor Bolt holes.
- Engineered, coated, hot rolled mild steel to resist corrosion and abrasion.
- Heavy Fabricated Steel base plate rigidly constructed to provide proper alignment of pump & Motors.
- Compact skid Design with Small Foot-Print for Retrofit.
- High standard of Quality in material Construction finish and Workmanship.

\* Standard System are available upon client's request

A Product Of Sffeco Global



# CUSTOMIZED STANDARD FIRE PUMP SYSTEMS (EXCEL SERIES)

Our Fire Pump Systems can be customized to meet your requirements and local authority standards. All fire pump systems are tested for quality, durability and reliability before they are delivered and installed. SF FECO has been a pioneer in the firefighting industry for over 3 decades and aims to be the better. SF FECO Fire Pump Systems are economical, easy to maintain, user friendly and reliable.



- Available in Electric Motor & Diesel Engine Driven configurations
- Pressure Tanks are available as optional
- SF FECO Control Panels are included in the package

## PERFORMANCE RANGE

End Suction: 30 gpm to 1500 gpm and pressure range from 3 to 13 bar

Split case: from 150 gpm to 1500 gpm for higher pressure not covered in end suction i.e. 14 to 22 bar



# GENERAL PUMP SYSTEM ACCESSORIES

SFFECO produces all General Pump System Accessories and Components for all its models to ensure that fire pump systems are functional and efficient at all times.



Flow Meter



Casing Relief Valve



Pressure Relief Valve



Fire Pump Controllers



Jockey Pump



Pressure Gauge



# FLAMMABLE LIQUID TANKS



## PRIMARY & SECONDARY CONTAINMENT TANKS

HORIZONTAL CYLINDRICAL CONSTRUCTION

(CAPACITY UP TO 75000 GALLON)



Actual Capacity U.S. Gallons(kL)		Max. Diameter - inches (m)
550 or less	(2.08)	48 (1.22)
551 - 1100	(2.14 - 4.16)	64 (1.63)
1101 - 9000	(4.17 - 34.07)	76 (1.93)
1101 - 35,000	(4.17 - 132.49)	144 (3.66)
35,001 - 50,000	(132.50 - 189.27)	144 (3.66)
50,001 - 75,000	(189.27 - 283.6)	156 (3.97)

## PRIMARY CONTAINMENT TANKS

RECTANGULAR CONSTRUCTION

(CAPACITY UP TO 500 GALLON)



Tank Capacity (Gallons)	Max. Length (mm)	Max. Width (mm)	Max. Height (mm)
150 and below	900	800	800
151 - 330	1150	1100	1000
331 to 550	1500	1200	1200



# FLAMMABLE LIQUID TANKS



SF FECO offers a wide range of customised solution for aboveground fuel and stable flammable liquids and combustible liquids storage tanks which is suitable for Aviation, Industrial, oil & gas, power sector, service stations, in fire pump diesel engine applications etc. with superior strength, performance, durability and reliability

The tanks designed and built as per UL-142 with a wide variety of tanks available to meet customer 's specifications.

We specialized in primary (single wall) and secondary containment (double wall) steel tanks with horizontal / vertical cylindrical or rectangular single wall tanks designed for above ground storage at atmospheric pressure.

Versatile storage solution of SF FECO's tank sizes ranging upto 75000 gallons.

## SF FECO TANKS KEY FEATURES

- ◆ In compliance with **UL -142, NFPA 30, 30A, 31.**
- ◆ Fabricated, inspected and tested against the leaked tightness before the shipment
- ◆ High quality fitting and superior material of construction.
- ◆ Entire range provided with normal and emergency vents openings, sturdy lifting lugs, legs, saddle support and various nozzle openings on the tanks.
- ◆ Body of carbon steel or Stainless Steel
- ◆ Carbon steel tanks with Painted surface finish
- ◆ Stainless steel with mill finish as standard.
- ◆ High grade of welding process to ensure the reliability of each tank.
- ◆ Optional accessories) valves, level gauge, fittings and pipe work.



# DIESEL ENGINE DRIVERS





**BLACK  
STALLION**

**CERTIFIED DIESEL  
DRIVEN ENGINES**



BLACK STALLION today is a symbol for producing efficient, reliable, high performance, cost effective and premium quality internal combustion engines with a wide range of power. Our wide range enables you to find the best engine to fit your needs to deliver effectively and efficiently. We produce engines that meet all the requirements of the NFPA 20 quality and compliance standards and has passed all the tests of the UL 1247 and FM class Number 1333 requirements.





Range: From 15 – 588 Hp



Innovative Design



Latest Technology



Performance Oriented



Competitive Pricing



Premium Quality



Compact Arrangement



Low Maintenance



Fast & Timely Delivery



Easy to Operate



Efficient Fuel Consumption



Certifications : UL/FM



**MEDIUM SPEED**

**2800, 2900, 3000 RPM  
15 - 275 HP**



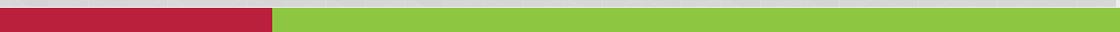
**LOW SPEED**

**1400, 1600, 1800 RPM  
300 - 588 HP**

QUALITY EFFICIENCY PERFORMANCE DELIVERY



# EXTINGUISHING & SUPPRESSION SYSTEM







# GAS SUPPRESSION SYSTEM

## SFFECO-227

### HFC-227ea Clean Agent



UL/FM Clean Agents

#### FEATURE

- SAFE AND NON TOXIC
- ZERO OZONE DEPLETION
- LOWER DESIGN CONCENTRATION
- TOTAL FLOODING



### TECHNICAL SPECIFICATION

SFFECO-227 Engineered Systems Range

#### 360 PSI

Part No	Weight of the Agent (lbs.)	Valve Size
SF90020-E, SF 90020-E-SS	9-20	1" Valve
SF90035-E, SF 90035-E-SS	16-35	1" Valve
SF90070-E, SF 90070-E-SS	31-71	1" Valve
SF90100-F, SF 90100-F-SS	44-101	1" Valve
SF90100-E, SF 90100-E-SS	44-101	1 1/2" Valve
SF90150-E, SF 90150-E-SS	66-152	1 1/2" Valve
SF90250-E, SF 90250-E-SS	109-253	1 1/2" Valve
SF90375-E, SF 90375-E-SS	163-379	2 1/2" Valve
SF90560-E, SF 90560-E-SS	241-561	2 1/2" Valve
SF90800-E	353-806	4" Valve
SF91000-E	439-1008	4" Valve
SF91200-E	519-1200	4" Valve

SFFECO-227 Engineered Systems Range

#### 500 PSI

Part No	Weight of the Agent (lbs.)	Valve Size
SF90020-EH, SF 90020-EH-SS	9-19	1" Valve
SF90035-EH, SF 90035-EH-SS	16-33	1" Valve
SF90070-EH, SF 90070-EH-SS	31-67	1" Valve
SF 90100-FH, SF 90100-FH-SS	44-94	1" Valve
SF90100-EH, SF90100-EH-SS	44-94	1 1/2" Valve
SF90150-EH, SF 90150-EH-SS	66-143	1 1/2" Valve
SF90250-EH, SF 90250-EH-SS	109-237	1 1/2" Valve
SF90375-EH, SF 90375-EH-SS	163-356	2 1/2" Valve
SF90560-EH, SF 90560-EH-SS	241-527	2 1/2" Valve
SF 90650-EH, SF 90650-EH-SS	285-624	2 1/2" Valve
SF 90650-FH	285-624	3" Valve
SF 90800-FH	360-788	3" Valve
SF 90800-EH	360-788	4" Valve
SF 91000-FH	445-974	3" Valve
SF 91000-EH	445-974	4" Valve
SF91200-EH	519-1137	4" Valve



# GAS SUPPRESSION SYSTEM

## SFFECO 5112



UL/FM Clean Agents

### FEATURE

**NO RESIDUE**

**ZERO OZONE DEPLETION**

**SHORT ATMOSPHERIC LIFE**

**NON TOXIC**

**RAPID ACTING**

**ECO-FRIENDLY**



## TECHNICAL SPECIFICATION

Part Number	Cylinder Size	Weight of the Agent (LBS)	Valve Size
SF 70020-E, SF 70020-E-SS	20 LB	11-21 LB	1" Valve
SF 70035-E, SF 70035-E-SS	35 LB	18-38 LB	1" Valve
SF 70070-E, SF 70070-E-SS	70 LB	36-76 LB	1" Valve
SF 70100-F, SF 70100-F-SS	100 LB	51-108 LB	1" Valve
SF 70100-E, SF 70100-E-SS	100 LB	51-108 LB	1 1/2" Valve
SF 70150-E, SF 70150-E-SS	150 LB	77-163 LB	1 1/2" Valve
SF 70250-E, SF 70250-E-SS	250 LB	127-271 LB	1 1/2" Valve
SF 70375-E, SF 70375-E-SS	375 LB	190-406 LB	2 1/2" Valve
SF 70560-E, SF 70560-E-SS	560 LB	281-601 LB	2 1/2" Valve
SF 70650-E, SF 70650-E-SS	650 LB	333-712 LB	2 1/2" Valve
SF 70650-F	650 LB	333-712 LB	3" Valve
SF 70800-E	800 lb	420-900 LB	4" Valve
SF 70800-F	800 lb	420-900 LB	3" Valve
SF 71000-E	1000 lb	520-1112 LB	4" Valve
SF 71000-F	1000 lb	520-1112 LB	3" Valve
SF 71200-E	1200 lb	606-1297 LB	4" Valve



# CARBON DIOXIDE (CO<sub>2</sub>) SYSTEM



SFFECO Carbon dioxide (CO<sub>2</sub>) system extinguishes fire by reducing the oxygen content of the protected space and or local flame front to a point where it will not support combustion. Carbon Dioxide is a colorless, electrically non-conductive, non-corrosive, and non-deteriorating inert suppression agent.

## TECHNICAL DATA

Make:	SFFECO
System Standard:	UL 2127, NFPA 12
Type:	Seamless Concave Bottom
Bottom:	W 28.8 x 1 / 14"
Material:	Alloy Steel
Neck Threads:	W 28.8 x 1 / 14"

## DESIGN DATA

Filling Density:	0.667 Kg/Litre maximum									
Operating Pressure:	58 bars									
Test Pressure:	Minimum 250 bars									
Water Capacity: (ltr)	3.0	6.8	10.2	13.5	34	68	80	100	120	150



## Features

- Suitable for of Class A, B and C hazards
- In accordance to ANSI/ NFPA 12 & GLOBAL STANDARDS
- Online, digital and mechanical weight loss indicators & monitoring
- Anti Recoil Safety Disc for Cylinder protection
- Pressure & Manual actuated Valve assembly
- UL Listed High Pressure Carbon Dioxide System
- Lower Overall Maintenance Costs
- Electronic, pneumatic & mechanical actuated
- Strong Alloy Steel Cylinders
- Total Flooding & Local Fire Protection



## TECHNICAL DATA

### CAPACITY & RANGE OF CYLINDER CO<sub>2</sub> ARE AVAILABLE IN

100 lbs (45 kg)

220 lbs (100 kg)

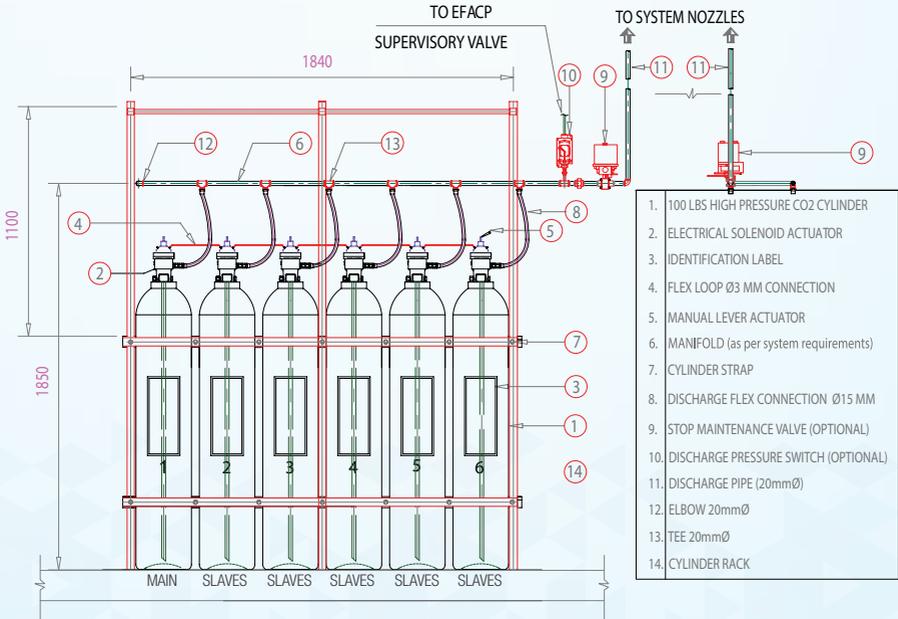
### OPERATING PRESSURE

58 BAR (850 PSI) AT 21°C (70°F)

### OPERATING TEMPERATURE

-18°C TO 54.4°C OR 0°F TO 130°F FA Total Flooding  
0 to 49°C Far Local Application

## TYPICAL ARRANGEMENT





# KITCHEN HOOD SYSTEM



## COOKING AREA & HOOD EXTINGUISHING SYSTEMS

Automatic & Manual Control

Used for commercial cooking areas

Different temperature for fusible link suit with any fire temperature

Different type of nozzle for different appliances





# KITCHEN HOOD SYSTEM



## FUSIBLE LINK COOKING AREA AND HOOD EXTINGUISHING SYSTEM

DIFFERENT SIZES OF CYLINDER CAPACITY TO MATCH WITH ANY HOOD SIZES

HS4	HS8	HS16
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Code	Name	Explanation / Details	Image / Picture
HS4	4 Flowpoint Fire Suppression System	<ul style="list-style-type: none"> <li>4 Flowpoint fire suppression system</li> <li>Suitable for hoods with max. 1 catering equipment</li> <li>2.5 l wet chemical</li> <li>4 pos. Nozzles</li> <li>1 pos. Thermobulb</li> <li>1 pos. Manual pull station</li> <li>1 pos. Cylinder hang kit</li> </ul>	
HS8	8 Flowpoint Fire Suppression System	<ul style="list-style-type: none"> <li>8 Flowpoint fire suppression system</li> <li>Suitable for hoods with max. 2.4 m* hood length</li> <li>10 l wet chemical</li> <li>8 pos. Nozzles</li> <li>1 pos. Thermobulb</li> <li>2 pos. Corner Pullout</li> <li>1 pos. Manual pull station</li> <li>1 pos. Cylinder hang kit</li> </ul>	
HS16	16 Flowpoint Fire Suppression System	<ul style="list-style-type: none"> <li>16 Flowpoint fire suppression system</li> <li>Suitable for hoods with max. 4.8 m* hood length</li> <li>20 l wet chemical</li> <li>16 pos. Nozzles</li> <li>2 pos. Thermobulb</li> <li>2 pos. Corner Pullout</li> <li>1 pos. Manual pull station</li> <li>1 pos. Cylinder hang kit</li> </ul>	

\* Calculation for maximum hood dimensions may change according to hood features. Please refer to office Technical Manual.



**WET CHEMICAL AGENT**  
**FAST DETECTION**  
**EXTENDED COVERAGE**



# THERMO-ACT EXTINGUISHING SYSTEM



SFFECO Thermo-Act offers a dependable, cost effective and enhanced fire protection by detecting and suppressing the fire in the electrical enclosure itself. Thermo Act detects and suppresses the fire inside the enclosure hence nulling the possibility of the fire spreading to the other areas in the room or the building. SFFECO Thermo-Act systems utilize fire flexible tube for fire detection. Thus, the fire detection and extinguishing system is not required to detect and discharge SFFECO Thermo-Act systems can be designed with commercial available agent including clean agent, wet chemical, Foam, and dry powder. The systems may be arranged as direct and indirect.

## TECHNICAL SPECIFICATION

AGENT & TYPE OF SYSTEM	MODELS	MAX. FILL (LBS.)	AGENT WEIGHT (KG)
Clean Agent Direct System	SF-THD-3	3	1
	SF-THD-6	6	2
	SF-THD-12	12	5
	SF-THD-15	15	6
	SF-THD-18	18	8
Clean Agent Indirect System	SF-THS-3	3	1
	SF-THS-6	6	2
	SF-THS-12	12	5
	SF-THS-15	15	6
	SF-THS-18	18	8



# THERMO-ACT EXTINGUISHING SYSTEM



## DIRECT SYSTEM

SFFECO Thermo-Act Direct System for low pressure agent as shown uses the flexible tube as both the detection device and extinguishing discharge system. In case of fire, the section of tube most exposed to heat will rupture acting as a discharge nozzle. The suppression agent is then completely released due to pressure drop in the tube.



## IN-DIRECT SYSTEM

SFFECO Thermo-Act Indirect System uses the tube as a fire detection device only. The fire suppression agent is delivered through a special copper or stainless steel tubing system. Once the detection tube ruptures due to heat exposure, the drop in pressure activates the indirect valve to direct the flow of suppression agent to diffuser nozzles via a fixed tubing system.





# FOAM SYSTEMS & EQUIPMENT







# FOAM SYSTEMS COMPONENTS



## FOAM BLADDER TANKS

BLADDER TANK AND RATIO-FLOW CONTROLLER INVESTIGATED TO UL 162.  
20 to 4000 gal capacity ASME for vertical and horizontal installation.

**Following are equivalent length valves for the controllers :**  
(Models SFD-U2-BTRFC, SFD-U3-BTRFC, SFD-U4-BTRFC, SFD-U6-BTRFC, SFD-U8-BTRFC) based on a roughness factor of 130 and schedule 40 steel pipes

Model	Equivalent Length Ft
SFD-U2-BTRFC / SFD-BTRC-2	22.0 / 9.07
SFD-U3-BTRFC / SFD-BTRC-3	17.5 / 14.48
SFD-U4-BTRFC / SFD-BTRC-4	29.3 / 15.29
SFD-U6-BTRFC	24.9
SFD-U8-BTRFC	23.0
SFD-BTRC-2	9.07
SFD-BTRC-3	14.48
SFD-BTRC-4	15.29



HORIZONTAL MOUNTING	
<b>MODEL</b>	HBT-# ( - Indicates capacity of foam vessel in liters )
<b>CAPACITY</b>	20 Gallon to 4000 Gallon
<b>DESIGN CODE</b>	ASME SEC.VIII DIV.I Latest Edition
<b>MAXIMUM WORKING PRESSURE</b>	12.06 Bar (175 PSI)
<b>HYDROSTATIC TEST PRESSURE</b>	18.09 Bar (263 PSI)
<b>FINISH</b>	a) Internal - Coal Tar Epoxy b) External - Painted Epoxy Fire-Red to Shade No. RAL3000

VERTICAL MOUNTING	
<b>MODEL</b>	VBT-# ( #- Indicates Capacity of Foam Vessel In Liters )
<b>CAPACITY</b>	20 Gallon to 4000 Gallon
<b>DESIGN CODE</b>	ASME SEC.VIII DIV.I Latest Edition
<b>MAXIMUM WORKING PRESSURE</b>	12.06 Bar (175 PSI)
<b>HYDROSTATIC TEST PRESSURE</b>	18.09 Bar (263 PSI)
<b>FINISH</b>	a) Internal - Coal Tar Epoxy b) External - Painted Epoxy Fire-Red to Shade No. RAL3000



# FOAM SYSTEMS COMPONENTS



## FOAM LIQUID CONCENTRATE

Foam is generally produced by the addition of a foam liquid concentrate to water and mechanically mixing air into the foam solution. Sffeco foam is compatible for use with non-aspirating nozzles also.

SFFECO foam liquid concentrates include fluoroprotein, film-forming fluoroprotein (FFFP), Aqueous- film-forming foam (AFFF), Alcohol Resistant Aqueous- film-forming (AR-AFFF) & other synthetic-based foams.

### FEATURE

SFFECO UL listed foam liquid concentrates are certified as per UL162.

Foam is suitable for use on fires involving Hydrocarbon fuels and Polar solvent fuels like ( Alcohols, Ethyl Alcohol, Methyl Alcohol, Acetone, Methyl Ethyl Ketone).

Wide range of premium performance foams specially formulated with C6 technology which represents a major advancement in foam industry for effective extinguishment of fires.

The C6 foam concentrates does not contain any PFOS or PFOA.

Eco-Friendly & Bio-degradable.

Conforming to NFPA11 & NFPA16



## FOAM MONITORS

SFFECO UL Listed foam monitors are certified as per UL162 with fixed / variable flow. Monitors are intended to produce and discharge low-expansion foam. Foam Monitors are used for protection of flammable liquid hazards and produce superior, long reaching foams streams.

### FEATURE

Hydraulically Efficient Design.

Minimal Friction Loss.

Easy operation.

Corrosion Resistant Stainless Steel Construction (Optional)

Excellent Foam and Water Throws.

Safe and Reliable Operation.

Conforming to NFPA11



Range : 500 to 4000 gpm

\* Standard System are available upon client's request

A Product Of Sffeco Global



# FOAM SYSTEMS COMPONENTS



## FOAM HOSE STREAM NOZZLES ( FOAM BRANCH PIPE)

SFSECO low expansion Foam hose stream nozzles (foam branches) are air aspirating type portable devices. They are handheld equipment, used to project mechanical foam from a distance onto fires which involve flammable liquids. Self-Inducting Foam branches are provided with pick-up tubes to allow induction of foam concentrate into the branch and mixing with the water stream.

### FEATURE

- SFSECO UL listed foam hose stream nozzles certified as per UL162.
- Superior range of Foam Solution flow capacity ( 59 to 119 GPM)
- Effective Throw
- Produces most effective long lasting foam blanket.
- Light weight and nozzle pressure within the Control of an operator.
- Conforming to NFPA11



## IN LINE INDUCTORS

Proportioners are intended to provide continuous introduction of foam liquid concentrates, in adequate ratio, into a water stream flowing under pressure in pipe or hose lines. Foam concentrate is inducted through single or multiple inductors located in the water line to the foam maker. Inductors shall be for portable or fixed installation. They may have an adjustable or fixed orifice for induction.

### FEATURE

- SFSECO UL listed in line inductors are certified as per UL162.
- Designed to minimum pressure loss across the inductor
- Simple to operate
- Corrosion resistant
- Simple & robust construction
- Nominal Flow capacity upto 159 GPM
- Variable proportioning at 3% & 6%
- Fixed Proportioning at 3% or 6 %
- Conforming to NFPA11.





# FOAM SYSTEMS COMPONENTS



## FOAM CHAMBER

SFFECO Foam Chamber is an UL Listed air aspirating foam discharge device designed to produce low expansion foam employed for fire extinguishments and / or vapour suppression in fixed (cone) roof flammable liquid storage tanks with or without internal floating roof. It is fixed discharge device classified as Type II in accordance with NFPA-11 used in surface application system for application of low expansion foam over the fuel surface.

### FEATURE

SFFECO UL listed Foam Chamber certified as per UL162.

Lowest operating pressure of 30 PSI

Widest flow range 18GPM to 750GPM

Carbon Steel and Stainless Steel construction

Meets foam system requirement as per NFPA-11

Suitable for use with all types of foam concentrates i.e. Protien, Fluro-protien, FFFP, AFFF, AR-AFFF



## FOAM MAKER

SFFECO Foam Maker is an UL Listed air-aspirating foam discharge device designed to produce low expansion foam employed for fire extinguishment and / or vapour suppression in open top floating roof flammable liquid storage tanks. It is a fixed discharge outlet classified as Type II in accordance with NFPA-11 used in above surface application systems for top of seal application.

### FEATURE

SFFECO UL listed Foam Maker certified as per UL162.

Lowest operating pressure of 30 PSI

Widest flow range from 18 GPM to 390 GPM

Carbon Steel and Stainless Steel construction

Suitable for use with all types of Low expansion foam concentrates i.e. Protein, Fluro-protein, FFFP, AR-FFF, AFFF, AR-AFFF





# FIRE HYDRANT & ACCESSORIES







# DRY HYDRANT SYSTEMS



## DRY BARREL



**HIGHER DEPTH  
HYDRANT**  
Available in  
4" and 6"

DESCRIPTION	HIGHER DEPTH HYDRANT DETAILS	
MODEL	SFH100-LPHD	SFH150-LPHD
SIZE	DN100 FLANGE (4")	DN150 FLANGE (6")
BURIED DEPTH (MM)	800/1200/1445	600/800/1200/ 1500/1700
UPPER BODY OUTLET ELEVATION	344	402
Upper body flange clearance to ground level (mm) ( C )	77	77



## DRY BARREL



**LOWER DEPTH  
HYDRANT**  
Available in  
4" and 6"

DESCRIPTION	LOWER DEPTH HYDRANT DETAILS	
MODEL	SFH100-LPLD	SFH150-LPLD
SIZE	DN100 FLANGE(4")	DN150 FLANGE(6")
BURIED DEPTH (MM)	563/713/943 (FOR STRAIGHT INLET) 420/575/800 (FOR 90 DEG INLET)	563/713/943 (FOR STRAIGHT INLET) 420/575/800 (FOR 90 DEG INLET)
UPPER BODY OUTLET ELEVATION (mm)	423	423
UPPER BODY FLANGE CLEARANCE TO GROUND LEVEL (mm)	58	58
UPPER BODY PUMPER OUTLET ELEVATION (mm)	353	353



## DRY BARREL



**Note : Standard on flange  
joint where mechanical  
connection is available  
up on request.**



- \* Standard Models (Subject to stock availability)
- \*\* Available upon customer's request.

MODEL No.	BURIED DEPTH (mm)	LENGTH (FEET)
* SF-F-06	915 mm	3' - 0"
* SF-F-06	1068 mm	3' - 6"
* SF-F-06	1215 mm	4' - 0"
** SF-F-06	1368 mm	4' - 6"
** SF-F-06	1520 mm	5' - 0"
** SF-F-06	1673 mm	5' - 6"
** SF-F-06	1825 mm	6' - 0"
** SF-F-06	1978 mm	6' - 6"

\* Anti theft model hydrant models are also available in LPCB.  
Refer LPCB Approval for details



# WET HYDRANT SYSTEMS

## CERTIFIED WET BARREL

### MODELS

SFD-250-WH - 6"  
Closed Head



### MODELS

SFD-250-WH  
SFD-250-WH - 01-10  
6" Flanged Inlet

## STANDARD WET BARREL



### MODELS

SFH - 50W/100 - 4"  
SFH - 50W/150 - 6"

## STANDARD HYDRANT

MODEL No.	BURRIED DEPTH	UPPER BODY	DIAMETER	ATTACHMENTS
*100SFH800-CI	800 mm	600 mm	4" (100mm)	1 pc 4" Pumper Connection & 2 pcs of 2.5" Dia. Hose Outlet
*100SFH1200-CI	1200 mm	669 mm	4" (100mm)	1 pc 4" Pumper Connection & 2 pcs of 2.5" Dia. Hose Outlet
150SFH800-CI	800 mm	600 mm	6" (150mm)	1 pc 4" Pumper Connection & 2 pcs of 2.5" Dia. Hose Outlet
150SFH1200-CI	1200 mm	669 mm	6" (150mm)	1 pc 4" Pumper Connection & 2 pcs of 2.5" Dia. Hose Outlet
SFH-100-CIV	1200 mm	669 mm	4" (100mm)	1 pc 4" pumper connection female BSP+ Male Cap & Male
SFH-150-CIV	1200 mm	669 mm	6" (150mm)	Plug Outlet 2.5"BS336 Ductile iron with Ductile Cap inside built in ball valve



\* 800/1200 Standard Available Models.  
\* Other Models are available upon customer's request.



# STANDPIPE SYSTEMS







# STANDPIPE SYSTEMS & ACCESSORIES



## OBLIQUE TYPE LANDING VALVES

STANDARD	Certificate to BS5041-1
BODY	Copper alloy
HANDWHEEL	Grey cast iron
BLANK CAP	Copper alloy
INLET	Flanged or BSP Screwed
OUTLET	Female instantaneous to BS336
SURFACE	Red Painting
TEST PRESSURE	22.5 bar



FLANGED INLET	MODEL	SIZE	H (mm)	W (mm)	Inlet	Outlet
	SFD-K50-OLVF	DN50	198	235	165	BS336
	SFD-K65-OLVF	DN65	198	235	185	BS336

SCREWED INLET	MODEL	SIZE	H (mm)	W (mm)	Inlet	Outlet
	SFD-K65-OLVST	DN65	205	218	2.5"BSP(T)	BS336
	SFD-K65-OLVS	DN65	200	218	2.5"BSP	BS336
	SFD-K65-OLVSF	DN65	205	218	2.5"BSP(F)	BS336

## RIGHT ANGLE LANDING VALVES

FLANGED INLET	MODEL	SIZE	H (mm)	W (mm)	Inlet	Outlet
	SFD-K50-RLVF	DN50	198	213	165	BS336
	SFD-K65-RLVF	DN65	198	223	185	BS336

SCREWED INLET	MODEL	SIZE	H (mm)	W (mm)	Inlet	Outlet
	SFD-K65-RLVST	DN65	205	205	2.5"BSPT	BS336
	SFD-K65-RLVS	DN65	200	205	2.5" BSP	BS336



## STRAIGHT THROUGH LANDING VALVES

FLANGED INLET	MODEL	SIZE	H (mm)	W (mm)	Inlet	Outlet
	SFD-K50-SLVF	DN50	270	180	165	BS336
	SFD-K65-SLVF	DN65	280	180	185	BS336

SCREWED INLET	MODEL	SIZE	H (mm)	W (mm)	Inlet	Outlet
	SFD-K65-SLVST	DN65	235	213	2.5"BSP(T)	BS336
	SFD-K65-SLVS	DN65	235	213	2.5"BSP	BS336





# STANDPIPE SYSTEMS & ACCESSORIES



## BIB NOSE LANDING VALVES

FLANGED INLET	MODEL	SIZE	H (mm)	W (mm)	Inlet	Outlet
	SFD-K50-BLVF	DN50	240	225	165	BS336
	SFD-K65-BLVF	DN65	250	225	185	BS336



SCREWED INLET	MODEL	SIZE	H (mm)	W (mm)	Inlet	Outlet
	SFD-K65-BLVST	DN65	225	263	2.5"BSPT	BS336
	SFD-K65-BLVS	DN65	225	263	2.5" BSP	BS336



## WEDGE TYPE LANDING VALVES

STANDARD	Certificate to BS5041-1
BODY	Copper alloy
HANDWHEEL	Grey cast iron alloy
BLANK CAP	Copper alloy
INLET	Flanged or BSP Screwed
OUTLET	Female instantaneous to BS336
SURFACE	Red or Yellow Painting
TEST PRESSURE	22.5 bar



FLANGED INLET	MODEL	SIZE	H (MM)	W (MM)	INLET	OUTLET	SCREWED INLET	MODEL	SIZE	H (MM)	W (MM)	INLET	OUTLET
	SFD-K65-GLVF	DN65	300	155	165	BS336		SFD-K65-GLVS	DN65	255	138	2.5"BSPT(F)	BS336
								SFD-K65-GLVST	DN65	255	155	2.5" BSP	BS336

## PRV "E" TYPE LANDING VALVES

STANDARD	Certificate to BS5041-1
BODY	Copper alloy
HANDWHEEL	Grey cast iron alloy
BLANK CAP	Copper alloy
INLET	Flanged or BSP Screwed
OUTLET	Female instantaneous to BS336
SURFACE	Red Painting
TEST PRESSURE	30 bar



FLANGED INLET	MODEL	SIZE	H (MM)	W (MM)	INLET	OUTLET	SCREWED INLET	MODEL	SIZE	H (MM)	W (MM)	INLET	OUTLET
	SFD-K50-PRVF	DN50	380	225	165	BS336		SFD-K65-PRVS	DN65	380	260	2.5"BSPT	BS336
	SFD-K65-PRVF	DN65	380	225	185	BS336							

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# STANDPIPE SYSTEMS & ACCESSORIES



## 2 WAY BREECING INLET

STANDARD	Certificate to BS5041-3
BODY	Ductile Cast Iron
DRAIN VALVE	1" Gate Valve BS 5154
NON-RETURN TEST	1.7 Bar
INLET CONNECTION	Copper Alloy Complying to BS336
BLANK CAP	Plastic
TEST PRESSURE	20 Bar



SPECIFICATION	MODEL	SIZE	H (MM)	W (MM)	INLET	OUTLET
	KM-BI2W	DN100	190	300	100	2 x BS336

## 4 WAY BREECING INLET

STANDARD	Certificate to BS5041-3
BODY	Ductile Cast Iron
DRAIN VALVE	1" Gate Valve BS 5154
NON-RETURN TEST	1.7 Bar
INLET CONNECTION	Copper Alloy Complying to BS336
BLANK CAP	Plastic
TEST PRESSURE	20 Bar



SPECIFICATION	MODEL	SIZE	H (MM)	W (MM)	INLET	OUTLET
	KM-BI4W	DN150	230	330	150	4 x BS336

## BREECING INLET CABINET

Cabinet : Galvanized steel, Stainless steel  
 Glass : Wire Meshed Reinforcement  
 Finish : Red  
 Installation: Wall Recess Mounted  
 Lettering : Any Language



MODEL	SIZE	H (MM)	W (MM)
SDR 096 (2 Way Breaching Inlet Cabinet)	460	575	300
SDR 116 (4 Way Breaching Inlet Cabinet)	600	600	300



# ACCESSORIES

## AIR RELEASE VALVE

Air Release valves are designed to vent entrained air that collects at high points in a pipeline. This Valve continuously eliminates air from a system by releasing small quantities of air before large air pocket can occur in the system.



MODEL	INLET	MATERIAL	TEST PRESSURE
SWR 103	20mm (3/4") $\emptyset$ BSP	COPPER ALLOY	350 PSI
SWR 104	25mm (1") $\emptyset$ BSP		

## PRESSURE REDUCING VALVE

A pressure reducing valve is mainly used in a hose reel system to reduce the pressure at the inlet of the hose reel to the nominal working pressure.



<b>MODEL</b>	SF-PRV-X ( where X is the size and type)						
<b>MATERIAL</b>	Brass						
<b>WORKING PRESSURE</b>	Inlet Pressure upto 20 bar outlet pressure between 1 to 4 bar						
<b>AVAILABLE SIZES</b>	1/2" NPT	3/4" NPT	1" BSP	1" NPT	1 1/2" NPT	2" BSP	2" NPT

## LOCK SHIELD VALVE

The lock shield valves are installed usually in the fire hose reel and the valve can be opened only by the key.



MODEL	INLET	OUTLET	PRESSURE RATING
SF-LSV	1" F BSP	1" F BSP	PN 20



# FIRE RATED DOORS







# FIRE RATED DOOR ASSEMBLIES



## SINGLE LEAF DOOR

Fire Protection Rating \*  
Up to 3 Hours

---

Core Type	: Honey Comb **
Max. Frame Size (w x h)	: 1326 x 3000 mm
Max. Door Size (w x h)	: 1220 x 2934 mm
Type of Opening	: Single Swinging Door

---



## DOUBLE LEAF DOOR

Fire Protection Rating \*  
Up to 3 Hours

---

Core Type	: Honey Comb **
Max. Frame Size (w x h)	: 2313 x 2269 mm
Max. Door Size (w x h)	: 2 x 1100 x 2200 mm
Type of Opening	: Door Swinging In Pair

---



## SPECIAL APPLICATION DOUBLE LEAF DOOR

Fire Protection Rating \*  
Up to 3 Hours

---

Core Type	: Honey Comb **
Max. Frame Size (w x h)	: 3000 x 3000 mm
Max. Door Size (w x h)	: 2 x 1445 x 2941 mm
Type of Opening	: Door Swinging In Pair

---





# FIRE RATED DOOR ASSEMBLIES



## FEATURE

Doors can be used in dry wall and masonry construction.

SFFECO UL Listed doors are available in Cold Rolled Steel, Galvanized steel, Hot Dipped Electro galvanized or Galvalume material.

Door leaf thickness: 45 mm.

Material thickness (Gauges): 1.2mm (18 gauge) for leaf and 1.5 for Frame.

Painting: Prime painted materials can be used for hot rolled or cold rolled steel sheet.

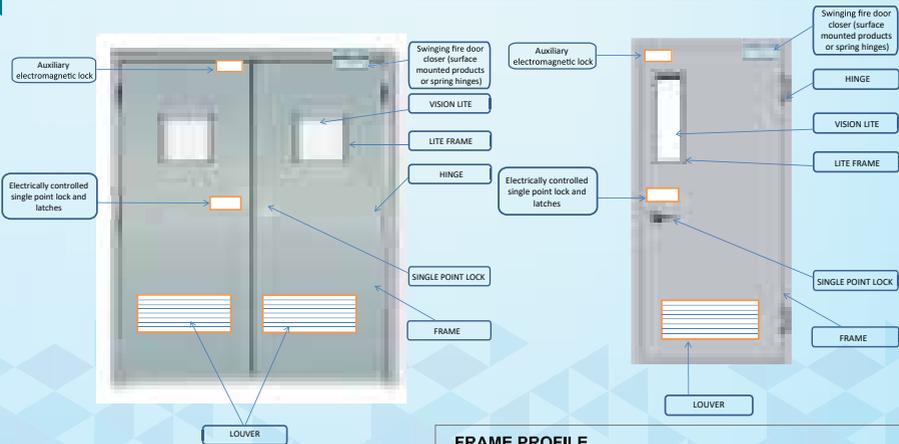
High aesthetics and robust structure.

Easy to install

Conforming to highest quality standards.

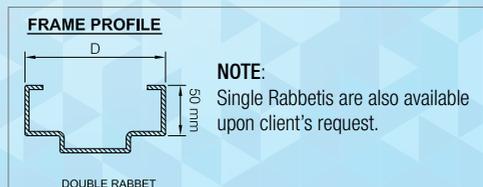
\* Asymmetrical doors available upon request

## ACCESSORIES:



### NOTE:

Vision lite & louver cannot be coupled in single leaf door above the photo is for highlight the accessories.





# FIRE CABINETS AND HOSES







# FIRE CABINETS

## SINGLE DOOR CABINETS



### RUBBER HOSE REEL CABINETS



Model	Minimum Size			Maximum Size			Type of Hose
	Width	Height	Depth	Width	Height	Depth	
SF 300	800	800	230	1000	1000	400	1" Rubber hose
SF 300A*	800	800	250	1000	1000	400	1" Rubber hose

### SYNTHETIC HOSE REEL CABINETS



Model	Dimension			Hose Reel Type
	Width	Height	Depth	
SF 4000	700	700	230	1 1/2" Synthetic Hose
SF 4400	900	700	230	1 1/2" Synthetic Hose
SF 4600	850	850	230	1 1/2" Synthetic Hose
SF 5000	750	750	230	2 1/2" Synthetic Hose
SF 5400	950	750	230	2 1/2" Synthetic Hose
SF 5600	950	900	230	2 1/2" Synthetic Hose

## DOUBLE DOOR REEL CABINETS



### RUBBER HOSE REEL CABINETS



Model	Minimum Size			Maximum Size	
	Width	Height	Depth	Width	Depth
SF 600	1050	800	230	1200	
SF 600A*	1050	800	250	1200	
SF 900	800	1600	230	1000	
SF 900A*	800	1600	250	1000	

### SYNTHETIC HOSE REEL CABINETS

Model	Dimension			Hose Reel Type
	Width	Height	Depth	
SF 4200	950	700	230	1 1/2" Synthetic Hose
SF 5200	990	750	230	2 1/2" Synthetic Hose





# FIRE CABINETS

## HOSE RACK CABINETS



### STANDARD HOSE RACK CABINETS

Model	Dimension			Hose Rack Size	Other Accessories	Door Type
	Width	Height	Depth			
SFR 200E	700	850	230	1 1/2" Synthetic Hose	Space for Extinguisher	Single
SFR 200EV	700	850	230	1 1/2" Synthetic Hose	Space for Extinguisher and additional Valve	Single
SFR 150	700	850	230	1 1/2" Synthetic Hose	Without accessories	Single



#### APPROVED

Kite Mark Approved



#### TYPE

Galvanized Steel, Stainless Steel



#### MOUNTING TYPE

Surface, Recessed, Semi recessed, Stand alone



#### CABINET FINISH

Red (RAL3000) , Hairline, Mirror & Brush for Stainless Steel (304 or 316)



#### DOOR DESIGN

Full steel or with glass panel



#### DOOR HANDLE

Turn Handle latch Mechanism

### CERTIFIED HOSE RACK CABINETS



Model	Dimension			Hose Rack Size	Other Accessories	Door Type
	Width	Height	Depth			
SFD -HRC-150	700	950	230	1 1/2" Synthetic Hose	Without accessories	Single



#### APPROVED

UL / FM Approved



#### TYPE

Galvanized Steel, Stainless Steel



#### MOUNTING TYPE

Surface, Recessed, Semi recessed, Stand alone



#### CABINET FINISH

Red (RAL3000) , Hairline, Mirror & Brush for Stainless Steel (304 or 316)



#### DOOR DESIGN

Full steel or with glass panel



#### DOOR HANDLE

Turn Handle latch Mechanism



# FIRE CABINETS

## FIRE RATED CABINETS



Feature
Approval: UL Listed
Fire Rating : up to 2 hours
Type : Galvanized Steel, Stainless Steel
Mounting Type: Wall mounted, Wall mounted with leg support, Recessed, Semi recessed
Cabinet Finish: Red (RAL3000) , Hairline, Mirror & Brush for Stainless Steel (304 or 316)
Door Design: Insulated Flush Metal Door, Hollow Flush Metal Door, Glass Door
Key type or turn handle locking mechanism.
Size of Glass : Maximum Glass Opening Size, WIDTH 400 mm x HEIGHT 560 mm

### SFFC-XXXX-X-XXX-X-X



- Type of Material**
- G - Stainless Steel
  - M - Mild Steel
  - C - Combination of SS and MS

- Type of Glassing**
- A - Anti Safety Glass
  - G - Clear or Frosted Glass
  - W - Wired Glass
  - L - UL listed Glass
  - F - Flush (No Glass)

**Number of Compartment (1, 2, 3, etc.)**

- Door Configuration**
- SD - Single Door
  - DD - Double Door Horizontal
  - DDV - Double Door Vertical
  - MD - Multiple Door

- Mounting**
- R - Recessed
  - S - Surface
  - SR - Semi-recessed

**Cabinet Size (Nominal) in inches (H & W)**

**Brand**  
 SFFC - SFFECO Fire Rated Cabinet





# FIRE CABINETS

## SPECIAL APPLICATION CABINETS

**FOAM/ WATER CABINET**

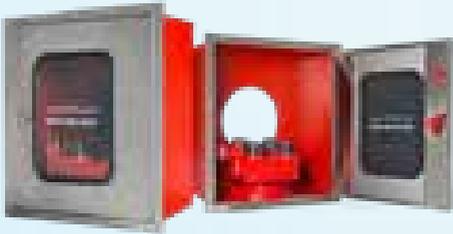


Model	Dimension		
	Width	Height	Depth
SF 9000*	700	1120	300



**HYDRANT CABINET**

Model	Dimension			Leg Height (mm)
	Height (mm)	Width (mm)	Depth (mm)	
SHC750	800	1600	250	600
SHC800	800	1600	250	100



**BREACHING INLET CABINET**

Model	Dimension			Remarks
	Height (mm)	Width (mm)	Depth (mm)	
SDR096	575	460	300	2 Way Breaching Inlet
SDR116	600	600	300	4 Way Breaching Inlet



**FIRE EXTINGUISHER CABINET**



**HOSE REEL STATION**



**FOAM STATION UNIT**



**SPRINKLER CABINET**



# FIRE EXTINGUISHERS







# PORTABLE FIRE EXTINGUISHERS



SFFECO produces fire extinguishers capable of handling all fire types. All our fire extinguisher has been designed to perform effectively and efficiently in case of an emergency. SFFECO Fire Extinguishers are produced in our state of the art factory based in Riyadh and Dubai. Our factories house certified testing facility where we test all our products to ensure that we deliver nothing but the best.

SFFECO produces fire extinguishers specially designed for office, house, factories, hotels and public places. We have a full range of Portable Extinguishers, Mobile Trolley Extinguishers and Automatic type Extinguishers. Our extinguisher range includes CO<sub>2</sub>, Wet Chemical, Water, Foam and Dry Powder type agents which provides you with options to deal with all types of fires. Our range also includes different sizes and capacities along with trolley fire extinguisher to provide you with the most efficient and easy to use fire extinguisher.



NO	MODEL NO.	DESCRIPTION	FIRE RATINGS				
			A	B	Polar	Alcohol	C.V.F.
1	PD1D	1kg ABC Powder Extinguisher	8	34	x	✓	x
2	PD2D	2kg ABC Powder Extinguisher	13	70	x	✓	x
3	PD3D*	3kg ABC Powder Extinguisher*	13	89	x	✓	x
4	PD4D	4kg ABC Powder Extinguisher	21	113	x	✓	x
5	PD6D	6kg ABC Powder Extinguisher	34	183	x	✓	x
6	PDH6D	6kg ABC Powder High Performance	34	233	x	✓	x
7	PD9D	9kg ABC Powder Extinguisher	43	233	x	✓	x
8	PD12D	12kg ABC Powder Extinguisher	55	233	x	✓	x
9	PDC6D*	6kg ABC Powder Inside Cartridge Extinguisher*	27	183	x	✓	x
10	PDC9D*	9kg ABC Powder Inside Cartridge Extinguisher*	43	233	x	✓	x
11	PK4D*	4kg BC Powder Extinguisher*	x	183	x	✓	x
12	PK6D*	6kg BC Powder Extinguisher*	x	233	x	✓	x
13	PK9D*	9kg BC Powder Extinguisher*	x	233	x	✓	x
14	FX3D*	3ltr AFFF Extinguisher*	13	70	x	x	x
15	FX6D	6ltr AFFF Extinguisher	21	144	x	x	x
16	FX9D	9ltr AFFF Extinguisher	27	183	x	x	x
17	FXH6D*	6ltr AFFF High Performance Extinguisher*	27	183	x	x	x
18	FXC6D*	6ltr AFFF Inside Cartridge Extinguisher*	21	144	x	x	x
19	FXC9D*	9ltr AFFF Inside Cartridge Extinguisher*	21	183	x	x	x
20	FXHC6D*	6ltr AFFF High Performance Inside Cartridge Extinguisher*	27	183	x	x	x
21	FXHC9D*	9ltr AFFF High Performance Inside Cartridge Extinguisher*	34	233	x	x	x
22	FXAR6D*	6ltr A.R. Foam Extinguisher*	13	34	113	x	x
23	FXAR9D*	9ltr A.R. Foam Extinguisher*	21	34	183	x	x
24	WH600SD	6ltr Water Extinguisher	13	x	x	x	x
25	WH900SD	9ltr Water Extinguisher	21	x	x	x	x
26	WH900FSD*	9ltr Water Freeze Protected (-20°C) Extinguisher*	13	x	x	x	x
27	WH900CSD*	9ltr Water Inside Cartridge Extinguisher*	21	x	x	x	x
28	SKF3D*	3ltr Wet Chemical Extinguisher*	8	✓	x	x	40
29	SKF6D	6ltr Wet Chemical Extinguisher	13	✓	x	x	75
30	AS3D*	3ltr Aqua Spray Extinguisher*	13	x	x	x	x
31	AS6D*	6ltr Aqua Spray Extinguisher*	21	x	x	x	x
32	CD2D	2kg Carbon Dioxide Extinguisher	x	34	x	x	x
33	CD5D	5kg Carbon Dioxide Extinguisher	x	70	x	x	x
34	WM3D*	3ltr Water Mist Extinguisher*	8	✓	✓	✓	40
35	WM6D	6ltr Water Mist Extinguisher	13	✓	✓	✓	75

Note: Available only on make to order basis



# TROLLEY EXTINGUISHERS



KM 667594

## MOBILE DRY POWDER

### Stored Pressure Type / Cartridge Type

Dry Powder Mobile Trolley Extinguishers work by firstly applying a coating to the fire which acts like a blanket suffocating the fire. Nitrogen (an inert gas) which is released during the process assists in suffocating further, while simultaneously tackling the chemical reaction of the fire preventing the heat being formed and thereby cooling the surface.



Note: Standard models are available upon request

MODEL	SF-MFE-TM-50COP-D	SF-MFE-TM-50SPP-D	SF-MFE-TM-25COP-D	SF-MFE-TM-25SPP-D
Extinguishing Medium	50Kg 40% ABC Powder	50Kg 40% ABC Powder	25Kg 40% ABC Powder	25Kg 40% ABC Powder
Operating Temperature Range	-30°C to +60°C	-30°C to +60°C	-30°C to +60°C	-30°C to +60°C
Working Pressure	15 Bar at 20°C	15 Bar at 20°C	15 Bar at 20°C	15 Bar at 20°C
Test Pressure	30 Bar	30 Bar	30 Bar	30 Bar
Propellant	1.6 KG CO <sub>2</sub>	Nitrogen	1.0 KG CO <sub>2</sub>	Nitrogen
Tested And Certified for	BS EN 1866-1:2007	BS EN 1866-1:2007	BS EN 1866-1:2007	BS EN 1866-1:2007
Cylinder Outside Diameter	300mm	300mm	250mm	250mm
Cylinder Height	918mm	918mm	661mm	661mm
Cylinder Weight	25kg	25kg	10.5kg	10.5kg
Cylinder Volume	59.5 L	59.5 L	29.5 L	29.5 L
Extinguisher Type	Cartridge Operated	Stored Pressure	Cartridge Operated	Stored Pressure



# TROLLEY EXTINGUISHERS



KM 667594

## MOBILE FOAM Fire Extinguisher

Foam Mobile Trolley Extinguishers (Aqueous Film Forming Foam) works by firstly applying a film forming foam (bubbles) to the fire which causes a blanket over the fire, suffocating the fire, while almost simultaneously cooling the fire.



Note: Standard models are available upon request

MODEL	SF-MFE-TM-50COF-D	SF-MFE-TM-50SPF-D
Extinguishing Medium	3% AFFF Foam	3% AFFF Foam
Operating Temperature Range	+5°C to +60°C	+5°C to +60°C
Working Pressure	15 Bar at 20°C	15 Bar at 20°C
Test Pressure	30 Bar	30 Bar
Propellant	0.7 KG CO <sub>2</sub>	Nitrogen
Tested And Certified for	BS EN 1866-1:2007	BS EN 1866-1:2007
Cylinder Outside Diameter	320mm	320mm
Cylinder Height	918mm	918mm
Cylinder Weight	27kg	27kg
Cylinder Volume	66.5 L	66.5 L
Extinguisher Type	Cartridge Operated	Stored Pressure

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# TROLLEY EXTINGUISHERS



KM 667594  
BS EN 1866

## CARBON DIOXIDE (CO2) Mobile Trolley Fire Extinguisher

CO2 Mobile Trolley Extinguishers (Carbon Dioxide) – being an inert gas works by expelling the oxygen and thereby suffocating the fire and is suitable for common industries where small class B or Electrical risks occur. It is always to be accompanied by a suitable extinguisher (Foam or Water) to cover class A risks.



USE UPRIGHT.  
PULL OUT PIN.



ROTATE.  
RELEASE HANDLE.



AIM NOZZLE AT  
BASE OF FIRE.  
PULL TRIGGER.



### 10 KG

MODEL	SF-MFE-TM-10CD-D
Out diameter (mm)	Φ165
Cylinder high (mm)	915
Cylinder weight (kg)	20.5
Extinguisher weight (kg)	45
Volume (L)	15
Filling charge	10KG CO2
Temperature (C°)	-30°C ~ +60°C
Working pressure (bar)	174
Test pressure (bar)	250
Material	34CrMo4
Fire rating	113B
Packing specification (mm)	360*330*1200

### 20 KG

MODEL	SF-MFE-TM-20CD-D
Out diameter (mm)	Φ 203
Cylinder high (mm)	1160
Cylinder weight (kg)	38
Extinguisher weight (kg)	88
Volume (L)	30
Filling charge	20KG CO2
Temperature (C°)	-30°C ~ +60°C
Working pressure (bar)	174
Test pressure (bar)	250
Material	34CrMo4
Fire rating	144B
Packing specification (mm)	1000*500*1200



# TROLLEY EXTINGUISHERS

## WATER TROLLEY Fire Extinguisher

Sffeco Water Mobile Trolley Extinguishers, fight the risk by cooling the fire and is the simple, conventional and ever-faithful extinguishing agent suitable for Fire Class "A". The most excellent or desirable to utilize in commercial and industrial fire protection, it is 100% Hydrostatically tested & the body of cylinders are made from high quality steel, easy to use with low cost maintenance.



MODEL	WT25	WT50	WT100	WT10G	WT35G
Capacity	25 Ltr	50 Ltr	100 Ltr	37.8 Ltr	132 Ltr
Total Weight	51.5 Kg	82 Kg	151 Kg	63 Kg	202 Kg
Total Height (mm)	990	1010	1100	1120	1341
Total Width (mm)	455	555	700	450	555
Total Depth (mm)	665	695	900	400	1078
Hose Length (mm)	3000	5000	5000	3000	5000
Maximum Effective Range (m)	8	8	8	8	8
Duration of Discharge (Sec)	19-23	38-42	77-82	29-33	100-105
Extinguishing Agent	Water				
Propelling Agent	N2				
Working Pressure	12-15 Bar				
Testing Pressure	30 Bar				
Coating	Electrostatic Polyester Powder				
Storage Temperature	5°C to 60°C				



# AUTOMATIC EXTINGUISHERS

## ABC POWDER AUTOMATIC Fire Extinguisher



Automatic Dry Powder Extinguishers work by firstly applying a coating to the fire which acts like a blanket suffocating the fire. Nitrogen (an inert gas) which is released during the process assists in suffocating further, while simultaneously tackling the chemical reaction of the fire preventing the heat being formed and thereby cooling the floor.



MODEL	PD4.5 MATIC	PD6 MATIC	PD10 MATIC	PD12 MATIC	PD15 MATIC	PD20 MATIC	PD25 MATIC	PD30 MATIC
Capacity	4.5 Kg	6 Kg	10 Kg 12	12 Kg	15 Kg	20 Kg	25 Kg	30 Kg
Total Weight	10.56 Kg	12.06 Kg	19 Kg	22.92 Kg	26 Kg	34 Kg	41 Kg	47 Kg
Total Height (mm)	400	400	460	485	525	470	470	595
Cylinder Height (mm)	162	162	280	305	325	320	320	410
Cylinder Diameter (mm)	280	280	280	280	280	280	360	360
Duration of Discharge (Sec)	10-12	14-16	16-18	18-22	22-26	26-31	30-35	35-40
Extinguishing Agent	Dry Chemical							
Propelling Agent	N2/Dry Air							
Working Pressure	12-15 Bar							
Testing Pressure	30 Bar							
Coating	Electrostatic Polyester Powder							
Storage Temperature	-20°C to +60°C							

\* Modular Extinguishers with nozzles are available only from 4.5 to 15 kg capacities.



# AUTOMATIC EXTINGUISHERS

## AFFF FOAM AUTOMATIC Fire Extinguisher

Automatic Foam Extinguishers (AFFF – Aqueous Film Forming Foam) works by firstly applying a film forming foam (bubbles) to the fire which causes a blanket over the fire, suffocating the fire, while almost simultaneously cooling the fire.



MODEL	FX4.5 MATIC	FX6 MATIC	FX10 MATIC	FX12 MATIC	FX15 MATIC	FX20 MATIC	FX25 MATIC	FX30 MATIC
Capacity	4.5 Ltr	6 Ltr	10 Ltr	12 Ltr	15 Ltr	20 Ltr	25 Ltr	30 Ltr
Total Weight	10.56 Kg	12.06 Kg	19 Kg	22.92 Kg	26 Kg	34 Kg	41 Kg	47 Kg
Total Height (mm)	400	400	460	485	555	525	470	575
Cylinder Height (mm)	162	162	280	305	370	340	320	390
Cylinder Diameter (mm)	280	280	280	280	280	360	360	360
Duration of Discharge (Sec)	20-28	25-30	50-60	60-90	90-120	120-150	150-180	180-210
Extinguishing Agent	AFFF							
Propelling Agent	N2							
Working Pressure	12-15							
Testing Pressure	30							
Coating	Electrostatic Polyester Powder							
Storage Temperature	5°C to 60°C							



# FIRE BLANKET







# FIRE BLANKET



## DESCRIPTION

MODEL NO.	DESCRIPTION & SIZE
SFD-FB-1212F	SFD-FB 1.2m x 1.2m
SFD-FB-1212P	
SFD-FB-1218F	SFD-FB 1.2m x 1.8m
SFD-FB-1218P	
SFD-FB-1518F	SFD-FB 1.5m x 1.8m



## TECHNICAL DETAILS

DESCRIPTION	SPECIFICATION
Weave Pattern	Twill
Yarn Density – Warp	20 ± 1 cm
Yarn Density – Weft	15 ± 1 cm
Thickness	0.25 ± 0.03 mm
Area Weight	340 ± 20 g/m <sup>2</sup>
Material	Fiberglass with Silicone coated
Blanket Size Tolerance	-10 mm to +15 mm
Tensile Strength – Warp force	>= 950 N/5cm
Tensile Strength – Weft force	>= 420 N/5cm
TEMPERATURE: Fiberglass Silicone	550°C 260°C
CASE (Packed In)	Red Plastic Container



# FIRE BLANKET



## FEATURE

ABSOLUTELY RELIABLE

SIMPLE TO USE

EASY STORAGE & PACKING

PACKED IN A CONTAINER

## INSTRUCTIONS

### IN CASE OF KITCHEN OIL FIRE

Pull the tape to remove the fire blanket from the box.

Hold the blanket against your body like a shield and wrap it around your hand to protect them from burns.

Put the blanket over the container or pan that's on fire.

Cut/turn off the source of the heat but don't try to move the container or pan.

Leave the container or pan to cool completely and do not try to remove the fire blanket till the container is completely cool.

### IN CASE OF CLOTHING FIRE

Pull the tape to remove the fire blanket from the box

Hold the blanket against your body like a shield and wrap it around your hand to protect them from burns.

Cover the person who is on fire completely with the blanket to extinguish the flames and use the fire extinguisher if required.



# **FIRE DETECTION & ALARM SYSTEMS**



# FIRE DETECTION & ALARM SYSTEMS



Fire detection and alarm systems are designed to ascertain risk at the initial stage where there is enough time to stop the fire and evacuate building or home occupants. Fire in commercial property can cause the business to have a down time which leads to direct or indirect financial loss. Using efficient fire detection and alarm system will reduce the impact of down time by notifying and guiding you to the exact location of the risk area.



**ADDRESSABLE FIRE ALARM SYSTEMS**



**CONVENTIONAL FIRE ALARM SYSTEMS**



**GAS EXTINGUISHING SYSTEMS**



**EMERGENCY LIGHTS AND EXIT LIGHTS**

# WATER BASED EXTINGUISHING SYSTEM



SFFECO offers water based extinguishing system to protect properties, water based system includes sprinkles, valves, accessories which are produced with highest precision and international quality.

## SPRINKLERS/NOZZLES AND ACCESSORIES



Pendant Type



Upright Type



Horizontal Sidewall Type



Concealed Type



Flush Type



Medium Velocity Nozzle



High Velocity Nozzle



Escutcheon plate & Guards



Flexible Hose



Sprinkler wrench

# WATER BASED EXTINGUISHING SYSTEM



## VALVES



Alarm Check Valve



Butterfly Valve



Check valves



Deluge valves



Gate Valve  
(NRS / OS&Y Valves)



Zone control valves



Pressure restricting  
Angle valve



Test and drain Valves

## SUPERVISORY SWITCHES



Pressure switch



Tamper switch



Water flow switch

## SYSTEM ACCESSORIES



Post indicator



Strainers



# VEHICLE CONVERSION







# VEHICLE CONVERSION SPECIALIST

Techniq International is the leading global manufacturers of specialty vehicles for technology intensive operations such as healthcare, enforcement, broadcast, defence and tactical command. We take pride in helping various agencies sustain lives using our mobile 'techniqs'.

While mobility and services-on-the-go have evolved as the buzzwords in every industry, technology innovations in these directions have helped bridge several gaps in sustaining lives on Planet Earth.

We are proud to have state-of-the-art facilities and the latest technology advancements in our manufacturing facilities. Our engineers are well equipped to provide you the solution you need.

## HEALTH AND MEDICAL VEHICLES



AMBULANCES / MOBILE MEDICAL UNIT



- Type 1 Ambulance
- Type 2 Ambulance
- Type 3 Ambulance
- Patient Transporter
- Neo Natal ICU
- First Responder
- EN Standard Ambulances
- Mobile ICU

- Mobile Hospital
- Mobile Diabetic Clinic
- Mobile Ophthalmic Clinic
- Mobile Dental Clinic
- Mobile Mammography
- Mobile X-Ray
- Mobile Blood Donation

# FIRE AND RESCUE VEHICLES

## FIRE TRUCKS / FIRE INTERVENTION VEHICLES



Road Runner  
Mini Foam  
Mist Max  
Rescue Max

Hawk Series 1      CAFS Trucks  
Hawk Series 2      Junior CAFS  
Hawk Series 3

# CUSTOMIZED AND SPECIAL VEHICLES



Impact command Vehicle      Rescue Vehicle  
Compact Command Vehicle      Police Vehicle  
Communication Vehicle      Mobile Office  
Mobile Workshop

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TRUST IN  
FIRE AND  
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