



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

CERTIFIED PRODUCTS
100%
QUALITY
CHOOSE THE BEST



We are very proud to be a vital part of the development of Saudi Arabia and Middle East since **1983** years in fire protection industry.



SFFECO a one-stop-shop for customers, fulfilling their end-to-end needs in products, solutions and services for the Fire Fighting Industry.



About us

SFFECO is an ISO9001 certified manufacturing company by BRE Global.

SFFECO is a market leader and specialized in manufacturing of fire fighting equipment in the world since 1983.

SFFECO is an One-Stop-Shop company believes in quality and exceptional service standards.

SFFECO is represented globally in over 100 countries worldwide with its highly knit distributor and dealer network.

SFFECO with its years of experience since 1983, has always been a progressive organization that has remained in the forefront of the Fire Fighting Industry with innovative, unconventional, environmental friendly, reengineered 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
AN ISO 9001 : 2015 CERTIFIED
QUALITY MANAGEMENT SYSTEM

Assessed to ISO 9001:2015
Cert. No.: 1516



Certifications / Memberships related to various products or services

Pillars of Success

QUALITY SERVICES

With a large number of highly qualified staff, SFFECO is certified and licensed to supply equipment with its own comprehensive designs, installations, commissioning and maintenance services throughout the GCC, Asian, African and European countries. SFFECO provides excellent after sales service and earns utmost customer satisfaction by providing functional and technical training and support, and by resolving and troubleshooting issues arising at the client site.

POST-MODERN FACILITIES

As global leaders, SFFECO believes in manufacturing quality products and services and extended exceptional service standards in the global market thereby rewarding our customers by keeping their investments safe and secure. The manufacturing plant has grown steadily since 1983 to accommodate modern hi-tech equipment and highly skilled professionals and optimal ISO certified operations to enable roll out of products that match global standards to serve the growing market needs.

Scope of Work

DESIGN AND CONSULTING

SFFECO unites highly skilled engineers, design specialists and consultants for producing drawings, technical reports, BOM and calculations. The team is capable to design and consult for buildings to power plants and hazardous refineries across the globe.

RESEARCH AND DEVELOPMENT

Our research resources allow us to quickly investigate and integrate new technical areas of expertise. Our team collaborate closely with certifying bodies, government regulatory, technology associations, suppliers and other partners from across the globe, to build innovative and beneficial products and technologies for all our areas of operation.

MANUFACTURING

SFFECO, has its state-of-the-art manufacturing plants as ISO 9001 certified (by TUV-Germany and LPCB-UK) in Riyadh and Dubai.

SUPPLY

SFFECO is a one-stop-shop for all Fire Protection and Fighting products and supplies its entire gamut of products globally in over 100 countries.

INSTALLATION

SFFECO installs the required fire safety equipments in the client premises as per the approved drawings and specifications

TESTING AND COMMISSIONING

SFFECO pre-tests and post-tests the product working and specification before and after installation. Test runs are run for commissioning of the product. Demo/ Training of how these Fire Safety Equipments works is as well arranged.

MAINTENANCE

SFFECO provides AMC for all the Fire Safety Equipments, which will include regular visit to client premises to check the working condition of the Fire Equipments/Devices Installed.

REFURBISHMENT

SFFECO is specialized to do projects that require design, supply, installation, testing and commissioning of products without disrupting the business operations at client premises. This implies perfect project management and installation without failures and flaws like false alarms or false discharges.

Certificates & Approvals (AT A GLANCE)

Sl. No.	Product Name	Certification	Description
1	Fire Extinguishers	SASO Approved	Fire extinguishers helps us to tackle fire incident in the beginning stage of a fire
2	Fire Rated Cabinets	UL Listed	Fire cabinet is designed to safely store fire equipment
3	Clean Agent Extinguishing System Units (SFFECO-227 & SFFECO FK-5-1-12)	UL Listed	Fire Protection System with HFC227ea Gas / FK-5-1-12
4	CO2 Extinguishing System	UL Listed	Carbon dioxide Fire Extinguishing System
5	End Suction Centrifugal Fire Pumps	UL Listed	Capacity: 50 gpm to 1000 gpm
6	Split Case Centrifugal Fire Pumps	UL Listed	Capacity: 150 gpm to 3500 gpm
7	Vertical Turbine Fire Pumps	UL Listed	Capacity: 200 gpm to 2000 gpm
8	Above Ground Flammable Liquid Tanks	UL Listed	Available Horizontal Cylinder / Vertical Cylinder / Rectangular / Cylindrical types
9	Foam Liquid Concentrates	UL Listed	Suitable for Class A Fires
10	Fire Doors and Frames	UL Listed	Capacity: 1Hour to 3 Hour
11	Dry Barrel and Wet Barrel Fire Hydrants	UL & FM	An emergency water delivery system used by fire fighters
12	Dry Pillar Fire Hydrants	LPCB	An emergency water delivery system used by fire fighters
13	Fire Hose	UL Listed	Used to carry water to fight fires; commonly used in hydrant system or fire trucks.
14	Semi-Rigid Fire Hose	Kitemark Approved	Used to carry water to fight fires; commonly used in fire cabinets
15	Fire Hose Reel	Kitemark Approved	The hose reel system is an immediate fire-fighting response equipment that can be easily be used by the public to contain the spread of the fire.
16	Bladder Tank	UL Listed	Capacity: 53 - 3963 Gal.
17	Nozzles	UL Listed	Adjustable Portable Spray Hose Nozzle
18	Hose Valve	UL Listed	Angle Type Hose Valve

Clean Agent Extinguishing System Units



SFFECO
FK5112
CLEAN AGENT
FIRE SUPPRESSION SYSTEM



SFFECO-227
HFC-227ea
CLEAN AGENT
FIRE SUPPRESSION SYSTEM

Our UL/FM SFFECO 227 Clean Agent Suppression Systems and UL/FM SFFECO FK-5-1-12 Clean Agent Suppression Systems are basically the most eco friendly systems which suppress fire by physically cooling flame through removing heat energy, and interruption the combustion reaction to an extent that cannot sustain itself.

SFFECO 227	FK5112	Capacity
SF90020 - E-SS	SF 70020-E-SS	20 Lbs
SF90035 - E-SS	SF 70035-E-SS	35 Lbs
SF90070 - E-SS	SF 70070-E-SS	70 Lbs
SF90100 - E-SS	SF 70100-E-SS	100 Lbs
SF90150 - E-SS	SF 70150-E-SS	150 Lbs
SF90250 - E-SS	SF 70250-E-SS	250 Lbs
SF90375 - E-SS	SF 70375-E-SS	375 Lbs
SF90560 - E-SS	SF 70560-E-SS	560 Lbs
SF90800 - E	SF 70800-E	800 Lbs
SF91000 - E	SF 71000-E	1000 Lbs
SF91200 - E	SF 71200-E	1200 Lbs

CO2 Fire Extinguishing System



SFFECO
FIRE
EXTINGUISHING
SYSTEM **CO2**

SFFECO UL Listed Carbon dioxide (CO₂) 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.

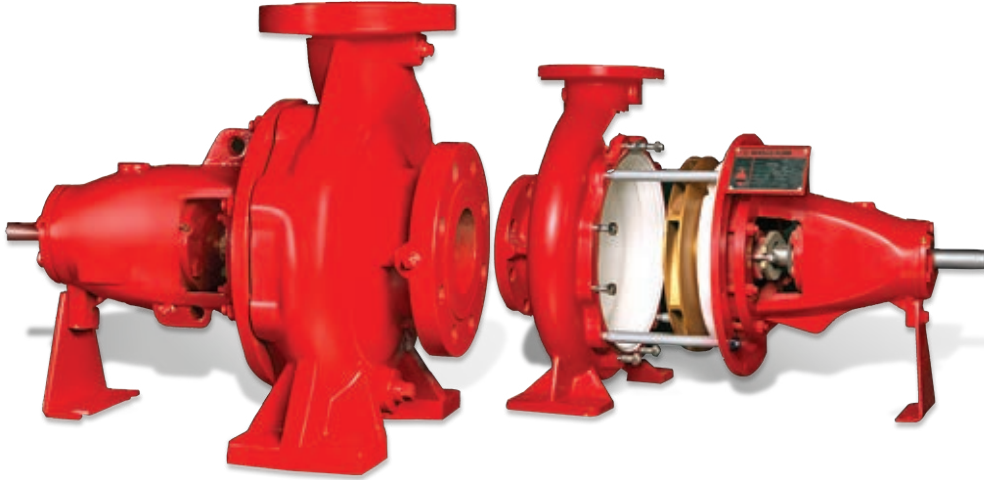
Carbon Dioxide is an colorless, electrically non-conductive, non-corrosive, and non-deteriorating inert suppression agent.

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END SUCTION (50/60 HZ)



General Features

- ❖ Top Centerline Discharge
- ❖ Foot Supported Casing
- ❖ Back Pullout Design
- ❖ Self- Venting Design
- ❖ Efficiently Designed Impeller
- ❖ Frame-Mounted Design
- ❖ Small Footprint Ideal for Retrofit
- ❖ Dynamically Balanced Impeller
- ❖ Heavy Duty with Heavy Wall Thickness
- ❖ 100% Hydrostatic & Performance Tested
- ❖ Back Pump out Vanes

Technical Data

Casing

Cast Iron / Ductile Iron

Impeller

Bronze / Duplex (upon request)

Shaft

Alloy Steel / Stainless Steel / Duplex (upon request)

Capacity

50GPM to 1000 GPM

Pressure

65 to 234 PSI

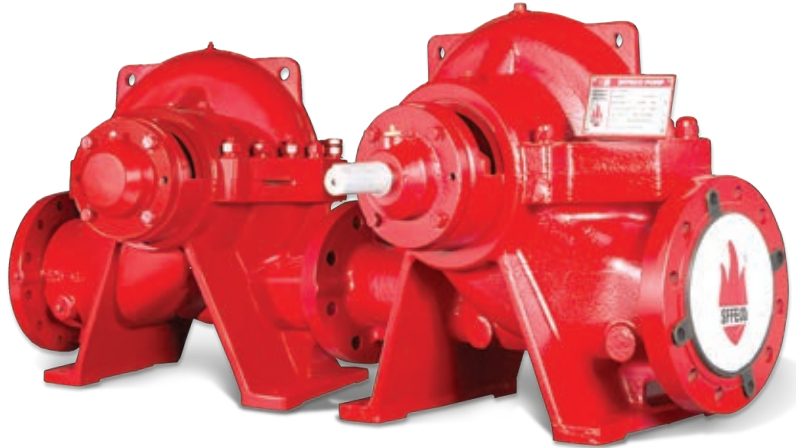
Max. Working Pressure

180 to 315 PSI

Speed

2900, 3000, 3500 and 3600 RPM

SPLIT CASE (50/60 HZ)



General Features

- ❖ Volute Type Thru-Bore Casing
- ❖ Frame-Mounted Design
- ❖ Small Footprint Ideal for Retrofit
- ❖ Heavy Duty with Heavy Wall thickness
- ❖ 100% Hydrostatic & Performance Tested
- ❖ Dynamically Balanced Double Suction Impeller

Technical Data

Casing

Cast Iron / Ductile Iron

Impeller

Bronze / Duplex (upon request)

Shaft

Alloy Steel / Stainless Steel / Duplex (upon request)

Capacity

150GPM to 3500 GPM

Pressure

88 to 335 PSI

Max. Working Pressure

220 to 410 PSI

Speed

2900, 3000, 3500 and 3600 RPM

VERTICAL TURBINE (50/60 HZ)



General Features

- ❖ Designed and built as per UL 448 and NFPA20
- ❖ Dynamically Balanced Impeller
- ❖ Constructed in variety of metallurgies
- ❖ Available 50Hz and 60Hz
- ❖ Drivers with gear boxes at electrical and diesel speed
- ❖ Designed for easy maintenance
- ❖ Open line shaft
- ❖ Packaged systems available
- ❖ Self-Venting Design eliminates vapor lock
- ❖ Efficiently Designed Shaft
- ❖ Heavy wall thickness
- ❖ Sealing arrangement is packing design
- ❖ Modular Construction
- ❖ Space-saver design

Technical Data

Capacity

200GPM to 2000 GPM

Pressure

40 to 359 PSI

Max. Working Pressure

290 to 395 PSI

Speed

1450, 1480, 1760, 1780, 2900, 2980,
2950 & 3000 RPM



Aboveground Flammable-Liquid Tanks



HORIZONTAL CYLINDER CONSTRUCTION

(Capacity upto 75000 Gallon)



Actual capacity, U.S. Gallons (kL)		Maximum 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)

VERTICAL CYLINDER CONSTRUCTION

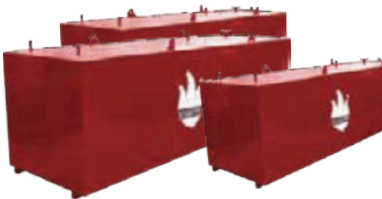
(Capacity upto 60000 Gallon)



Sheet Types	Actual capacity U.S. gallon (kL)
Carbon steel sheet	1100 (4.16) or less
	More than 1100 (4.16)
Stainless steel sheet	1100 (4.16) or less
	More than 1100 (4.16)

RECTANGULAR CONSTRUCTION

(Capacity upto 550 Gallon)



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

CYLINDRICAL CONSTRUCTION

(Capacity upto 550 Gallon)



Actual capacity, U.S. Gallons (kL)		Maximum diameter, inches (m)
550 or less	(2.08)	48 (1.22)

Bladder Tank



53 to 3963 gal capacity ASME for vertical and horizontal installation.

Following are equivalent length valves for the controllers based on a roughness factor of 130 and schedule 40 steel pipes:

Refer to the individual foam concentrate Listings for operating limitations with specific combinations of foam concentrates and proportioner.

Model	Size
SFD-U2-BTRFC	22.0
SFD-U3-BTRFC	17.5
SFD-U4-BTRFC	29.3
SFD-U6-BTRFC	24.9
SFD-U8-BTRFC	23.0



Foam Liquid Concentrates



20 liter black or blue container

30 liter black or blue container

200 liter black or blue container

Marking: Company name and type designation.

NEW UL LISTED MODELS

- SFR AFFF 3%
- SFR AFFF 6%
- SFR 3X3% AR - AFFF
- SFR 3X6% AR - AFFF
- SFR-3% FP
- SFR-6% FP
- SFR-3% FFFP
- SFR-6% FFFP
- SFR-ECO C6 AFFF 3%
- SFR-ECO C6 AFFF 6%
- SFR-ECO 1% AFFF
- SFR-ECO C6 1X3 AR-AFFF

FOAM LIQUID CONCENTRATES

- SF-HP AFFF 6%, nominal 6 percent, Aqueous Film Forming Foam, 35 F minimum storage and use temperature. Hydrocarbon fuels only.
- SF-HP AFFF 3%, nominal 3 percent, Aqueous Film Forming Foam, 35 F minimum storage and use temperature. Hydrocarbon fuels only.
- SF-HP FP 3%, nominal 3 percent Fluoroprotein, 35 F minimum storage and use temperature. Hydrocarbon fuels only.
- SF-HP FP 6%, nominal 3 percent Fluoroprotein, 35 F minimum storage and use temperature. Hydrocarbon fuels only.
- SF-HP AR-AFFF 3 X 3, +35 F minimum storage and use temperature. Hydrocarbon fuels at 3 percent. Polar solvent fuels at 3 percent.
- SF-HP AR-AFFF 3 X 6, +35 F minimum storage and use temperature. Hydrocarbon fuels at 3 percent. Polar solvent fuels at 6 percent.
- Foam concentrates for use with the following equipment.
- SF-HP AFFF 6%, 6 PERCENT

Fire Doors & Frames



Door Frames for use as a component in fire door assemblies that meet the requirements of UL10C:

Three sided steel frame with or without transoms (single swing or pair).

Door Frames for use as a component in fire door assemblies that meet the requirements of UL10B (neutral pressure):

Three sided frames with or without transom (single swing or pair).



FIRE DOOR AND FIRE WINDOW FRAMES CERTIFIED FOR CANADA

Door frames: Welded three sided single frames for use in 3/4, 1-1/2, 3 hr locations. Maximum size of frame: 1200 mm in width and 2261 mm in height.

Door frames:

Welded three sided pair type frames for use in 3/4, 1-1/2, 3 hr locations. Maximum frame size is 2313 mm in width and 2269 mm in height.



SWINGING-TYPE FIRE DOORS

Max Rating	Opening Type
2 Hr	Single or Pair With Astragal, Single Point Lock/ Flush Bolts, Single Rim/ Mortise Fire Exit Hardware, Door with Automatic Louver, Max 100 in ² Glazing
3 Hr	Single with Single Point Lock/Rim, Mortise Fire Exit Hardware 450°F Temperature Rise
1Hr	Single with Single Point Lock/Rim, Mortise Fire Exit Hardware 450°F Temp Rise Door Pair with Astragal Single Point Lock, Mortise Fire Exit Hardware, Flush Bolts / Vertical Rod Fire Exit Hardware 450°F Temp Rise Door



Dry Barrel Hydrants



Model SF-F-06 hydrant may be supplied with a 2-1/2 in. flanged monitor elbow. The Model SF-F-06 is a “traffic type” when equipped with a breakaway traffic flange.

Base Model	Base Valve Size	Hose Outlet	Pumper Outlet
SF-F-06	5-1/4"	2-1/2"	4-1/2"

Two Number of Hose Outlets and One Number of Pumper Outlets : 1

Dry Type Pillar Fire Hydrants



Cert. 1280Ba

- Available in 4" & 6"
- Available with / without Break Away System
- Conforming to BS EN 14384:2005 & BS 1074 Standards
- Available with straight and 90° Inlet Connection
- Available with Different type of caps and outlet landing valves
- Automatic drain system drains the water in the upper part when the main valve is closed, thus avoiding damage caused by freezing
- Externally sand blasted for smooth finish
- Hydrants are designed for high performance and easy to install, maintain and repair.



Model	Inlet	Hose Outlet	Pumper	LPCB Ref. No.
SFH100-LPLD	4" (DN 100)	2 X 2.5" BSP (65mm)	1 x 4" BSP (100mm)	1280Ba/01
SFH100-LPHD	4" (DN 100)		1 x 4" BSP (100mm)	1280Ba/02
SFH150-LPHD	6" (DN 150)		1 x 4" BSP (100mm)	1280Ba/03
SFH150-LPLD	6" (DN 150)		1 x 4" BSP (100mm)	1280Ba/04
SFH100-LPHDAT	4" (DN 100)	2 X 2.5" BS 336 (delivery hose connector)	1 x 4" BSP (100mm)	1280Ba/05
SFH100-LPLDAT	4" (DN 100)		1 x 4" BSP (100mm)	1280Ba/06
SFH150-LPHDAT	6" (DN 150)		1 x 4" BSP (100mm)	1280Ba/07
SFH150-LPLDAT	6" (DN 150)		1 x 4" BSP (100mm)	1280Ba/08

Wet Barrel Hydrants



Wet Fire Hydrant is used in places where there is no danger of vehicle accidents or freezing atmospheres. It is better to be used in malls, shopping centers, colleges, hospitals, etc.



Base Model	Hose Outlet (No. of outlets), in.	Rated Pressure	Pumper Outlet (No. of outlets), in.
SFD-250-WH	(2) 2-1/2	200 psig	(1) 4-1/2 threaded connection

Model SFD-250-WH Hydrant may incorporate a 4" size monitor flange on the top of the hydrant.

Fire Extinguishers (SASO Approved)



Portable Powder:
Model: PD1, PD2, PDB10, PD6, PD10 and PD12



Trolley Type Powder:
Model: TDP25, TDP30, TDP50, TDPS100 and TDPS150



Portable Foam:
Model: FX6, FX9 and FX100



Trolley Type Foam:
Model: TF25, TF50, TF100 and TFC35G



Portable Water:
Model: WH600, WH900 and WH1000



Portable Wet Chemical:
Model: SKF6 and SKF10



Portable CO2:
Model: CD5G and CD6G



Trolley Type CO2:
Model: TC10, TC25 and TC30

Fire Rated Cabinets (UL Listed)

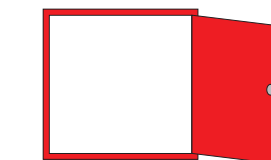
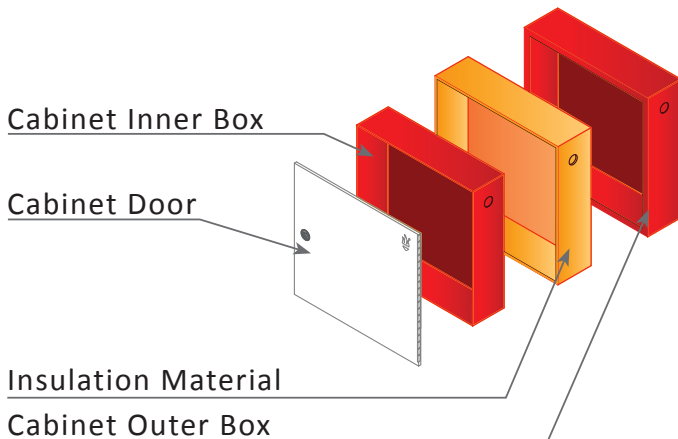


SFFECO Fire Rated Cabinets can be made with different size and design as per requirement. We can manufacture UL Listed Cabinets with a maximum dimensions as per below table:

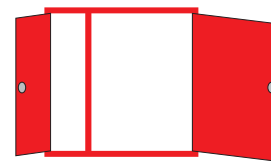
	Width	Height	Depth
Surface	42.83 inch	68.5 inch	18.5 inch
	1088 mm	1740 mm	470 mm
Recessed / Semi-Recessed	42.83 inch	66.9 inch	18.5 inch
	1088 mm	1700 mm	470 mm

*Dimensions are in maximum possible sizes as per UL and without Tolerance

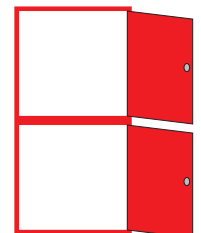
CABINET CONSTRUCTION:



Single Door Cabinet



Horizontal Double Door Cabinet



Vertical Double Door Cabinet

In line with our policy of continuous product improvement, SFFECO reserves the right to modify specifications without prior notice.

Fire Hose



Model	Type	Size
SFSJ40R-UL	Single jacket	1-1/2"
SFSJ65R-UL	Single jacket	2-1/2"
SFDJ40R-UL	Double jacket	1-1/2"
SFDJ65R-UL	Double jacket	2-1/2"

The hose length will be determined as required by purchaser. Standard size of hose is 50 ft to 100 ft (15m to 30m) lengths.

Semi-Rigid Fire Hose



KM629993



Model	Type	Size	Classification
SH25R	Semi-rigid	25mm	Type A, Class 2

Hose color is Red.

Hose length is 30 meter.

Maximum working pressure is 12 bar.

Proof pressure is 24 bar.

Minimum burst pressure is 42 bar.

Temperature range is -20°C to +60°C at ambient temperature condition in non aggressive or non-corrosive atmosphere.

Fire Hose Reel



KM73087



Model	Type	Operation
SF30 F -19	Fixed	Manual
SF30 F-25	Fixed	
SF30SP-19	Swinging Pipe	
SF30SP25	Swinging Pipe	
SF30SA-19	Swinging Arm	
SF30SA-25	Swinging Arm	
SF30A-F-19	Fixed	Automatic
SF30A-F-25	Fixed	
SF30A-SA19	Swinging Arm	
SF30A-SA25	Swinging Arm	
SF30A-SP-19	Swinging Pipe	
SF30A-SP-25	Swinging Pipe	

Hose Valves



Type : Angle type
 Size : 1.5" and 2.5"
 Connections : Female/Female and Female/Male ends
 Working Pressure : 300psi

Nozzles, Spray Hose, Portable



Adjustable nozzle— For Class A and B fires only and for use with lined fire hose.

Use of solid stream from nozzle around electrical apparatus and circuits may involve serious accident hazards and these nozzles, therefore, are not recommended for Class C fires.

Size	Size	Max Inlet Pressure, psig	Rated Operating Pressure, psig
SFD-NH-83-40	1-1/2"	200	100
SFD-NH-65	2-1/2" *	200	100
SFD-NH-40	1-1/2" **	200	100

*Includes both NH (NST) and NPSH (IPT) inlet thread configurations. Also includes BS 336 "Morris" instantaneous coupling inlet configuration.

**Includes both NH (NST) and NPSH (IPT) inlet thread configurations.

UL Listed Pumps - Testing Facilities



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



FIRE HOSE REEL



FIRE HOSE



PUMPS



BLADDER TANKS



FIRE CABINETS



DIESEL TANK



SFFECO KITCHENHOOD SYSTEM



SFFECO-227 HFC-227ea CLEAN AGENT FIRE SUPPRESSION SYSTEM



CO2 SYSTEM



SFFECO FK5112 CLEAN AGENT FIRE SUPPRESSION SYSTEM



TROLLEY / MODULAR EXTINGUISHERS



FIRE DOORS AND FRAMES



THERMO-ACT SYSTEM



PORTABLE EXTINGUISHERS



FOAM CONCENTRATES



HYDRANTS

In line with our policy of continuous product improvement, SFFECO reserves the right to modify specifications without prior notice.



WWW.SFFECO.com

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