SFFECO with its more than 30 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, Maintenance & Refurbishment of fire protection and fire fighting systems.
The Fire Hose Reels are designed and manufactured as per BSEN671-1. Hose Reel discs are made of 1.2mm pre-treated electro-galvanized steel sheet, painted with electrostatic powder coating and oven baked at 200 C. Hose reel side plates are protected with a polyester powder coating that complies to salt spray test requirement which is specified in ISO 9227 for 240 hrs. Hose Reel drum has formation of hydraulically pressed ribs to give extra strength and to avoid twisting. The outer edges are rolled over to give a safe handling edge on the outer rims and better appearance.

Automatic fire hose reels are available with an internal valve built into the hose reel unit which opens within 3 revolutions of the hose reel as the hose is pulled out and closes when the hose is wound back to the reel.
SFFECO Semi Rigid Fire Fighting Hose is designed and manufactured in compliance with BS EN-694:2014 standard. The hose is double layered with red cover and black lining. SFFECO Fire Fighting hose is suitable to use with fixed fire fighting systems like fire hose reels. Its flexibility helps to roll or handle the hose easily.

Material used for inner lining and cover of hose is plasticized PVC compound and high tensile textile polyester yarn is used for reinforcement of hose.

<table>
<thead>
<tr>
<th>Model</th>
<th>SH25R</th>
</tr>
</thead>
<tbody>
<tr>
<td>Hose Color</td>
<td>Red</td>
</tr>
<tr>
<td>Hose Length</td>
<td>30 Meter</td>
</tr>
<tr>
<td>Hose Size</td>
<td>25 mm</td>
</tr>
<tr>
<td>Hose Classification</td>
<td>Type A, Class 2</td>
</tr>
<tr>
<td>Maximum Working Pressure</td>
<td>12 Bar</td>
</tr>
<tr>
<td>Proof Pressure</td>
<td>24 Bar</td>
</tr>
<tr>
<td>Minimum Burst Pressure</td>
<td>42 Bar</td>
</tr>
<tr>
<td>Temperature Range</td>
<td>-20°C to +60°C at ambient temperature condition in nonaggressive or non-corrosive atmosphere</td>
</tr>
</tbody>
</table>
MANUAL & AUTOMATIC TYPE

HOSE REEL SF30 SERIES

The Fire Hose Reels are designed and manufactured as per BS-EN671 - 1. Hose reel discs are made of 1.2mm pre-treated electro-galvanized steel sheet, painted with electrostatic powder coating and oven baked at 200°C. Hose reel side plates are protected with a polyester powder coating that complies to salt spray test requirement which is specified in ISO-9227 for 240 hrs.

Hose reel drum has formation of hydraulically pressed ribs to give extra strength and to avoid twisting. The outer edges are rolled over to give a safe handling edge on the outer rims and better appearance.

Automatic fire hose reels are available with an internal valve built into the hose reel unit which opens within 3 revolutions of the hose reel as the hose is pulled out and closes when the hose is wound back to the reel.

HOSE REEL DIAMETER: 580mm
HOSE LENGTH: 30 m
Fixed Type hose reels Manual & Automatic are specially designed for easy mounting on a flat wall and easy accessibility.

Swinging Pipe Manual & Automatic Fire Hose Reels are designed for mounting on flat wall where access is limited in a recessed cabinet or any riser shaft. Maximum swinging angle if wall mounted is 180°.

Swinging Arm Manual & Automatic Fire Hose Reels are specially designed for mounting on flat walls, where access is limited in a recessed cabinet or any riser shaft. Maximum swinging angle if wall mounted is 180°.

### Accessories

**NOZZLE**

Rigid Plastic fast opening. 
(Equivalent Diameter 6mm) 
Shut- Spray - Jet: Spray discharge pattern in conical form with a spray angle more than 45°.

**VALVE & NIPPLE**

Valves Shall be of ¾” or 1” ball valve and nipple of ¾” or 1”. Body made of Brass.
SYNTHETIC HOSES
SINGLE & DOUBLE JACKET

SFFECO UL LISTED Single and Double Jacket Fire Hoses are lined with a high-tech EPDM tube whose engineered design guarantees minimum weight with maximum durability and flexibility. The polyester construction is mildew & rot-proof, tough, dependable, lightweight and with outstanding abrasion resistance with our innovative Wisenteccoating.

The jacket is evenly and firmly woven and free from visible defects, thread knots, lumps and irregularities of twist. The most common use of these fire hoses are for exterior fire protection and are also used by Fire Brigades.

AVAILABLE IN RED & WHITE COLORS

FEATURES:

- Heavy duty construction for optimum abrasion resistance.
- Weather, ozone and ageing resistant with long service life.
- Easy to repair, clean and maintenance.
- The breaking strength of the jacket threads meets the requirements of UL19.
- The tensile strength and ultimate elongation of inner lining meet the requirements of UL19.
- Hose is designed to withstand 1 times the service pressure without rupturing or breaking any thread in the jacket as per UL19.
- Hose comes with attached couplings, Brass or Chrome Finish as per request.
- Couplings are available in NST or Instantaneous BS336 as per request.
# SYNTHETIC HOSES

## SPECIFICATIONS

### UL LISTED PRODUCTS

<table>
<thead>
<tr>
<th>MODEL</th>
<th>TYPE</th>
<th>HOSE SIZE</th>
<th>HOSE LENGTH</th>
<th>WORKING PRESSURE</th>
<th>BURST PRESSURE</th>
</tr>
</thead>
<tbody>
<tr>
<td>SF4015SJ</td>
<td>Single Jacket</td>
<td>1 ½&quot;</td>
<td>15m or 30m</td>
<td>150/180/200 psi</td>
<td>450/540/600 psi</td>
</tr>
<tr>
<td>SF4025SJ</td>
<td>Single Jacket</td>
<td>2 ½&quot;</td>
<td>15m or 30m</td>
<td>150/180/200 psi</td>
<td>450/540/600 psi</td>
</tr>
<tr>
<td>SF4015DJ</td>
<td>Double Jacket</td>
<td>1 ½&quot;</td>
<td>15m or 30m</td>
<td>220/250/300 psi</td>
<td>660/750/900 psi</td>
</tr>
<tr>
<td>SF4025DJ</td>
<td>Double Jacket</td>
<td>2 ½&quot;</td>
<td>15m or 30m</td>
<td>220/250/300 psi</td>
<td>660/750/900 psi</td>
</tr>
</tbody>
</table>

### STANDARD PRODUCTS

<table>
<thead>
<tr>
<th>MODEL</th>
<th>TYPE</th>
<th>CAPACITY</th>
<th>WORKING PRESSURE</th>
<th>BURST PRESSURE</th>
</tr>
</thead>
<tbody>
<tr>
<td>SYNTEx 40</td>
<td>Single Jacket</td>
<td>40, 50, 65 mm</td>
<td>10 Bars</td>
<td>40 Bars</td>
</tr>
<tr>
<td>SYNTEx 50</td>
<td>Single Jacket</td>
<td>40, 50, 65 mm</td>
<td>14 Bars</td>
<td>50 Bars</td>
</tr>
<tr>
<td>SYNTEx 60</td>
<td>Single Jacket</td>
<td>40, 50, 65 mm</td>
<td>17 Bars</td>
<td>50 Bars</td>
</tr>
<tr>
<td>D. SYNTEx W</td>
<td>Double Jacket</td>
<td>40, 65 mm</td>
<td>15 Bars</td>
<td>60 Bars</td>
</tr>
<tr>
<td>D. SYNTEx P</td>
<td>Double Jacket</td>
<td>40, 65 mm</td>
<td>15 Bars</td>
<td>60 Bars</td>
</tr>
<tr>
<td>DURALEX</td>
<td>–</td>
<td>25 - 100 mm</td>
<td>17 Bars</td>
<td>45 - 50 Bars</td>
</tr>
</tbody>
</table>

**AVAILABLE IN 2 ½” & 1 ½”**
**HOSE RACK**

<table>
<thead>
<tr>
<th>MODEL No.</th>
<th>SFD-HRA-2515H</th>
<th>SFD-HRA-2515L</th>
<th>SFD-HRA-1515H</th>
<th>SFD-HRA-1515L</th>
</tr>
</thead>
<tbody>
<tr>
<td>Hose Rack</td>
<td>Semiautomatic Hose Rack for use with stand pipe systems of 2½” with 1½” lined fire hose of 100ft max.</td>
<td>Semiautomatic Hose Rack for use with stand pipe systems of 2½” with 1½” lined fire hose of 100ft max.</td>
<td>Semiautomatic Hose Rack for use with stand pipe systems of 1½” with 1½” lined fire hose of 100ft max.</td>
<td>Semiautomatic Hose Rack for use with stand pipe systems of 1½” with 1½” lined fire hose of 100ft max.</td>
</tr>
<tr>
<td>Hose Rack Material Thickness</td>
<td>Standard Thickness: 1.5 mm Optional Thickness: 2.0 mm</td>
<td>Standard Thickness: 1.5 mm Optional Thickness: 2.0 mm</td>
<td>Standard Thickness: 1.5 mm Optional Thickness: 2.0 mm</td>
<td>Standard Thickness: 1.5 mm Optional Thickness: 2.0 mm</td>
</tr>
<tr>
<td>Max Service Pressure</td>
<td>175 psi</td>
<td>150 psi</td>
<td>175 psi</td>
<td>150 psi</td>
</tr>
<tr>
<td>Hose (Standard)</td>
<td>Single jacketed fire hose with TPU lining, hot melting adhesive and polyester jackets White Colored</td>
<td>Single jacketed fire hose with TPU lining, hot melting adhesive and polyester jackets White Colored</td>
<td>Single jacketed fire hose with TPU lining, hot melting adhesive and polyester jackets White Colored</td>
<td>Single jacketed fire hose with TPU lining, hot melting adhesive and polyester jackets White Colored</td>
</tr>
<tr>
<td>Nozzle</td>
<td>Brass Portable Spray type Fire Hose Nozzle</td>
<td>Brass Portable Spray type Fire Hose Nozzle</td>
<td>Brass Portable Spray type Fire Hose Nozzle</td>
<td>Brass Portable Spray type Fire Hose Nozzle</td>
</tr>
<tr>
<td>Angle Valve</td>
<td>2½&quot; NPT thread Female inlet with 2½&quot; NPT Female thread outlet</td>
<td>2½&quot; NPT thread Female inlet with 2½&quot; NPT Female thread outlet</td>
<td>1½&quot; NPT thread Female inlet with 1½&quot; NPT Female thread outlet</td>
<td>1½&quot; NPT thread Female inlet with 1½&quot; NPT Female thread outlet</td>
</tr>
<tr>
<td>Nipple</td>
<td>Brass Nipple for Hose Rack 2½&quot; NPT X 1½&quot; NST</td>
<td>Brass Nipple for Hose Rack 2½&quot; NPT X 1½&quot; NST</td>
<td>Brass Nipple for Hose Rack 1½&quot; NPT X 1½&quot; NST</td>
<td>Brass Nipple for Hose Rack 1½&quot; NPT X 1½&quot; NST</td>
</tr>
<tr>
<td>Pressure Reducing &amp; Raising Device (Optional)</td>
<td>2½&quot; NPT thread Female inlet with 2½&quot; NPT Female thread outlet</td>
<td>2½&quot; NPT thread Female inlet with 2½&quot; NPT Female thread outlet</td>
<td>1½&quot; NPT thread Female inlet with 1½&quot; NPT Female thread outlet</td>
<td>1½&quot; NPT thread Female inlet with 1½&quot; NPT Female thread outlet</td>
</tr>
</tbody>
</table>

**FINISHES**

**Standard Finish:**
For Hose Rack: Powder Coated Textured - RAL 3000 (Red)
For Nozzle holding Bracket: Powder Coated - RAL 9005 (Black)
For Internal Parts: Electro Galvanized

**Optional Finish 1:**
For Hose Rack: Powder Coated Plain - RAL 3000 (Red)
For Nozzle holding Bracket: Powder Coated - RAL 9005 (Black)
For Internal Parts: Electro Galvanized

**Optional Finish 2:**
For Hose Rack: Stainless Steel
All internal parts are Stainless Steel except Nozzle Bracket

**Optional Finish 3:**
For Hose Rack: Chrome Plated
For Nozzle holding Bracket: Chrome Plated
For Internal Parts: Chrome
**GENERAL**
SFFECO Fire Hose Angle Valves (90 degrees pattern) are for use on standpipe having inlet and outlet opening of the same size or with the inlet larger than outlet. The valve is made in accordance with UL 668 Hose Valve for Fire Protection Service standards.

**SIZES:** 1 ½" x 1 ½" & 2 ½" x 2 ½"

**CONNECTION**
NPT Female taper thread Inlet with NPT Female taper thread outlet
NPT Female taper thread Inlet with NST (NH) male thread outlet

**AVAILABLE MODELS**
SFFECO Fire Hose Angle Valve is available in 4 different models.

<table>
<thead>
<tr>
<th>MODEL</th>
<th>MODEL</th>
<th>SIZE</th>
<th>INLET</th>
<th>OUTLET</th>
</tr>
</thead>
<tbody>
<tr>
<td>SF</td>
<td>AV15-UL</td>
<td>1¼&quot; x 1¼&quot;</td>
<td>1¼&quot; female NPT</td>
<td>1½&quot; female NPT</td>
</tr>
<tr>
<td>SF</td>
<td>AV20-UL</td>
<td>1½&quot; x 1½&quot;</td>
<td>1¾&quot; female NPT</td>
<td>1¾&quot; male NST</td>
</tr>
<tr>
<td>SF</td>
<td>AV25-UL</td>
<td>2¼&quot; x 2¼&quot;</td>
<td>2¼&quot; female NPT</td>
<td>2¾&quot; female NPT</td>
</tr>
<tr>
<td>SF</td>
<td>AV30-UL</td>
<td>2¼&quot; x 2¼&quot;</td>
<td>2¼&quot; female NPT</td>
<td>2¾&quot; male NST</td>
</tr>
</tbody>
</table>

**MARKING**
UL Mark, Listed EX16343

Rated Pressure : 300psig
Test Pressure : 600psis

<table>
<thead>
<tr>
<th>SR. NO.</th>
<th>DESCRIPTION</th>
<th>MATERIAL</th>
<th>STANDARD</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>Body</td>
<td>Cast Brass</td>
<td>BS84 C5700</td>
</tr>
<tr>
<td>2</td>
<td>Bonnet</td>
<td>Cast Brass</td>
<td>BS84 C5700</td>
</tr>
<tr>
<td>3</td>
<td>Stem</td>
<td>Forged Brass</td>
<td>B16 C36000</td>
</tr>
<tr>
<td>4</td>
<td>Holder</td>
<td>Forged Brass</td>
<td>B16 C36000</td>
</tr>
<tr>
<td>5</td>
<td>Handwheel</td>
<td>Ductile Iron</td>
<td>A536 60-40-18</td>
</tr>
<tr>
<td>6</td>
<td>Seat Seal</td>
<td>NBR Compound</td>
<td>#E701N</td>
</tr>
</tbody>
</table>

**OPTIONAL INSTANTANEOUS ADAPTOR**

Female Adapter x Female Thread
(Single Lug)
**SF-ADJ1M150AL-FFS**
Aluminum 1¼" BSP x 2¼"

Female Adapter x Male Thread
(Single Lug)
**SF-ADJ1M150AL-FMS**
Aluminum 1¼" BSP x 2½"

Female Adapter x Female Thread
(Single Lug)
**SF-ADJ2M150AL-FFS**
Aluminum 2¼" BSP x 2¼"

Female Adapter x Male Thread
(Single Lug)
**SF-ADJ2M150AL-FMS**
Aluminum 2¼" BSP x 2½"
PRODUCT DESCRIPTION:
Adjustable nozzle are used for Class A and B fires in most industrial applications. They are used with lined fire hose. Adjustable fog, straight stream and shut off.

PRODUCT FEATURES:
UL Listed
Available sizes: 1 X and 2 X inch.
Adjustable fog, straight stream and shut off

Finish:
Brass and Chrome

Thread: NST
NST to BS336 male adaptor available if required.

Nozzle pressure: 100 psi
Discharge GPM as in Ullisting

<table>
<thead>
<tr>
<th>MODEL NO.</th>
<th>SIZE (inch)</th>
<th>NOZZLE PRESSURE (psi)</th>
<th>DISCHARGE GPM WIDE OPEN</th>
</tr>
</thead>
<tbody>
<tr>
<td>SFNH50-40</td>
<td>1 ½”</td>
<td>100 psi</td>
<td>50 gpm</td>
</tr>
<tr>
<td>SFNH120-65</td>
<td>2 ½”</td>
<td>100 psi</td>
<td>120 gpm</td>
</tr>
</tbody>
</table>

PRECAUTIONS:
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.
P.O.Box 261318
Jebel Ali Freezone
Dubai, U.A.E

T:  +971 4 880 9890
F:  +971 4 880 9822
E:  sales@sffecoglobal.com
W:  www.sffecoglobal.com