



المصنع السعودي لأجهزة الإطفاء
SAUDI FACTORY FOR FIRE EQUIPMENT

- DESIGN
- CONSULTING
- MANUFACTURING
- SUPPLY
- INSTALLATION
- TESTING
- COMMISSIONING
- MAINTENANCE
- REFURBISHMENT

SFFECO

Don't Compromise on Fire Safety...
Choose Certified Quality Products...



**We are Very Proud to be a Vital Part of the
Development of Saudi Arabia and Middle East
for the Last 33 Years in Fire Protection Industry**



SFFECO is an ISO9001 certified manufacturing company by TUV of Germany and LPCB of UK.

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 has its own state-of-the-art manufacturing plants in Riyadh and Dubai producing end-to-end range of products for the fire fighting industry matching international standards in quality.

SFFECO, with its 30 years of experience 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 brings together over 3-Decades of expertise and experience in form of design, consultancy, installation, testing, commissioning, maintenance and refurbishment of fire protecting and fire fighting system.



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 65 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.

UL LISTED PUMPS - TESTING FACILITIES



CLEAN AGENT STATIONS (CAS)



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

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CLEAN-AGENT EXTINGUISHING SYSTEM UNITS



SFFECO-227

Utilise
HFC - 227ea
Clean Agent Gas (UL/FM)

SFFECO-227 System provides safe fire protection for life and assets by utilizing UL Certified “HFC-227ea” Clean Agent Gas, from CHEMORI™ USA.

SFFECO 1230

Utilise **3M™ Novec™**
Fire Protection Fluid (UL/FM)

A private labelled F.F.T., USA system, SFFECO-1230 Total Flooding System Utilizes UL Listed 3M™ Novec™ Fire Protection Fluid.

ENGINEERED SYSTEMS

Model	Capacity	Fill Range
SF90020 - E	20 Lbs	9 - 20
SF90035 - E	35 Lbs	16 - 35
SF90070 - E	70 Lbs	31 - 71
SF90100 - E	100 Lbs	44 - 101
SF90150 - E	150 Lbs	66 - 152
SF90250 - E	250 Lbs	109 - 253
SF90375 - E	375 Lbs	163 - 379
SF90560 - E	560 Lbs	241 - 561
SF90800 - E	800 Lbs	353 - 806
SF91000 - E	1000 Lbs	439 - 1008
SF91200 - E	1200 Lbs	519 - 1211

PRE-ENGINEERED SYSTEMS

Model	Capacity	Fill Range
SF - 3 - XXX+	3 Lbs	1 - 3
SF - 6 - XXX+	6 Lbs	3 - 6
SF - 12 - XXX+	12 Lbs	6 - 12
SF - 18 - XXX+	18 Lbs	12 - 18
SF - 35 - XXX+	35 Lbs	16 - 35
SF - 70 - XXX+	70 Lbs	31 - 70
SF - 140 - XXX+	140 Lbs	66 - 140
SF - 240 - XXX+	240 Lbs	109 - 240
SF - 360 - XXX+	360 Lbs	163 - 360
SF - 520 - XXX+	520 Lbs	241 - 520

Model	Capacity	Fill Range
SF 1230 - 038	38 Lbs	15 - 38
SF 1230 - 065	65 Lbs	26 - 65
SF 1230 - 130	130 Lbs	52 - 130
SF 1230 - 277	277 Lbs	111 - 277
SF 1230 - 395	395 Lbs	157 - 394
SF 1230 - 850	850 Lbs	366 - 854

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INTERNAL-COMBUSTION ENGINES FOR DRIVING STATIONARY FIRE PUMPS



Model Dsg	Rated HP	Approx Speed (rpm)	
FC3015 - UL	15	2900	UL Listed
FC3020 - UL	20	2900	UL Listed
FC4040 - UL	30	2900	UL Listed
FC4060 - UL	57	2900	UL Listed
FC4085 - UL	71	2900	UL Listed
FC6130 - UL	118	2900	UL Listed
FC6150 - UL	128	2900	UL Listed
FC6195 - UL	186	2900	UL Listed
FC6250 - UL	209	2900	UL Listed
FC6300 - UL	259	2900	UL Listed

Model Dsg	Rated HP	Approx Speed (rpm)	
FC3020	21	3000	FM Approved
FC3020	21	2900	FM Approved
FC3020	21	2800	FM Approved
FC4040	35.5	3000	FM Approved
FC4040	35.5	2900	FM Approved
FC4040	35.5	2800	FM Approved
FC4060	58.5	3000	FM Approved
FC4060	58.5	2900	FM Approved
FC4060	58.5	2800	FM Approved
FC4085	75	3000	FM Approved
FC4085	75	2900	FM Approved
FC4085	75	2800	FM Approved
FC6130	127	3000	FM Approved
FC6130	127	2900	FM Approved
FC6130	127	2800	FM Approved
FC6150	146.5	3000	FM Approved
FC6150	146.5	2900	FM Approved
FC6150	146.5	2800	FM Approved
FC6195	190.5	3000	FM Approved
FC6195	187.5	2900	FM Approved
FC6195	133.5	2800	FM Approved
FC6250	216	3000	FM Approved
FC6250	212	2900	FM Approved
FC6250	154.5	2800	FM Approved
FC6300	271.5	3000	FM Approved
FC6300	271.5	2900	FM Approved
FC6300	240	2800	FM Approved

STALLION Diesel Fire Engines are product of many years of research and development.

The resulting know-how coupled with stringent quality standards, guarantee their long service life, high reliability and low fuel consumption.

As a result, STALLION Diesel Fire Engines meet the highest standards for environmental protection.

Stallion is a symbol of trust for all fire pump installations.

It is manufactured in accordance to NFPA 20 standards, and has passed all tests and criteria of the UL 1247 requirements, in our own UL Approved manufacturing and testing facility

SINGLE STAGE CENTRIFUGAL FIRE PUMP, SPLIT CASE



High quality cast iron casing with bronze impeller. It is specially designed to meet the mechanical and hydraulic specifications

- Top centerline Discharge
- Volute Type Thru-Bore Casing
- Back Pullout Design
- Self-Venting Design
- Efficiently Designed Shaft
- Frame-Mounted Design
- Small Footprint Ideal for Retrofit
- Dynamically Balanced Double Suction Impeller
- Heavy Duty with Heavy Wall Thickness
- Hydrostatic & Certified Performance Tests
- Removable Stuffing Box

Model Dsg	Rated Capacity (gpm)	Size (in.)	Rated Net Pressure Range psi	Approx Speed (rpm)	Max Working Pressure (psi)
SFP150-25SH	150	6x4	114-208	3500	300
SFP150-25SH	150	6x4	121 - 220	3600	300
SFP150-40SM	150	6x4	206 - 289	2900	385
SFP150-40SM	150	6x4	221 - 310	3000	385
SFP150-SN31SH	150	6x4	226 - 316	3500	405
SFP150-SN31SH	150	6x4	239 - 334	3600	405
SFP150-28SM	150	5X3	101 - 156	2900	239
SFP150-28SM	150	5X3	108 - 167	3000	239
SFP150-35SM	150	5X3	125 - 224	2900	318
SFP150-35SM	150	5X3	133 - 240	3000	318
SFP200-25SH	200	6x4	114 - 207	3500	300
SFP200-25SH	200	6x4	121 - 219	3600	300
SFP200-40SM	200	6x4	206 - 289	2900	385
SFP200-40SM	200	6x4	220 - 309	3000	385
SFP200-SN31SH	200	6x4	226 - 317	3500	405
SFP200-SN31SH	200	6x4	239 - 335	3600	405
SFP200-28SM	200	5X3	101 - 156	2900	239

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SINGLE STAGE CENTRIFUGAL FIRE PUMP, SPLIT CASE



Model Dsg	Rated Capacity (gpm)	Size (in.)	Rated Net Pressure Range (psi)	Approx Speed (rpm)	Max Working Pressure (psi)
SFP200-28SM	200	5X3	108 - 167	3000	239
SFP200-35SM	200	5X3	124 - 224	2900	318
SFP200-35SM	200	5X3	133 - 240	3000	318
SFP250-25SH	250	6x4	114 - 207	3500	300
SFP250-25SH	250	6x4	121 - 219	3600	300
SFP250-40SM	250	6x4	206 - 288	2900	385
SFP250-40SM	250	6x4	220 - 308	3000	385
SFP250-SN31SH	250	6x4	226 - 317	3500	405
SFP250-SN31SH	250	6x4	239 - 335	3600	405
SFP250-28SM	250	5X3	101 - 156	2900	239
SFP250-28SM	250	5X3	108 - 167	3000	239
SFP250-35SM	250	5X3	123 - 223	2900	318
SFP250-35SM	250	5X3	132 - 239	3000	318
SFP300-35SM	300	5X3	122-222	2900	319
SFP300-35SM	300	5X3	131-237	3000	319
SFP300-25SH	300	6x4	114-206	3500	300
SFP300-25SH	300	6x4	121 - 219	3600	300
SFP300-40SM	300	6x4	206 - 286	2900	385
SFP300-40SM	300	6x4	220 - 307	3000	385
SFP300-SN31SH	300	6x4	226 - 316	3500	405
SFP300-SN31SH	300	6x4	239 - 334	3600	405
SFP300-28SM	300	5X3	100 - 156	2900	239
SFP300-28SM	300	5X3	107 - 167	3000	239
SFP400-35SM	400	5X3	120-219	2900	319
SFP400-35SM	400	5X3	129-234	3000	319
SFP400-28SM	400	5X3	98-155	2900	239
SFP400-28SM	400	5X3	105-166	3000	239
SFP400-25SH	400	6x4	113-206	3500	300
SFP400-25SH	400	6x4	120 - 218	3600	300
SFP400-40SM	400	6x4	206 - 285	2900	385
SFP400-40SM	400	6x4	221 - 305	3000	385
SFP400-SN31SH	400	6x4	225 - 314	3500	405
SFP400-SN31SH	400	6x4	238 - 332	3600	405

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SINGLE STAGE CENTRIFUGAL FIRE PUMP, SPLIT CASE



Model Dsg	Rated Capacity (gpm)	Size (in.)	Rated Net Pressure Range (psi)	Approx Speed (rpm)	Max Working Pressure (psi)
SFP450-28SM	450	5X3	96-155	2900	239
SFP450-28SM	450	5X3	104-166	3000	239
SFP450-25SH	450	6x4	113-206	3500	300
SFP450-25SH	450	6x4	120 - 218	3600	300
SFP450-40SM	450	6x4	205 - 284	2900	385
SFP450-40SM	450	6x4	220 - 304	3000	385
SFP450-SN31SH	450	6x4	224 - 313	3500	405
SFP450-SN31SH	450	6x4	237 - 331	3600	405
SFP500-37SM	500	5x3	134 - 233	2900	290
SFP500-31SM	500	6X4	137 - 203	2900	220
SFP500-28SM	500	5X3	94-154	2900	239
SFP500-28SM	500	5X3	102-165	3000	239
SFP500-25SH	500	6x4	113-205	3500	300
SFP500-25SH	500	6x4	120-217	3600	300
SFP500-32SM	500	6x4	119-198	2900	290
SFP500-32SM	500	6x4	128-212	3000	290
SFP500-40SM	500	6x4	204 - 284	2900	385
SFP500-40SM	500	6x4	219 - 304	3000	385
SFP500-SN31SH	500	6x4	224 - 312	3500	405
SFP500-SN31SH	500	6x4	237 - 330	3600	405
SFP750-31SM	750	6X4	131 - 201	2900	220
SFP750-25SH	750	6x4	106-199	3500	300
SFP750-25SH	750	6x4	113-211	3600	300
SFP750-32SM	750	6x4	111-194	2900	290
SFP750-32SM	750	6x4	120-208	3000	290
SFP750-29SM	750	8X5	148-182	2900	268
SFP750-29SM	750	8X5	159-196	3000	268
SFP750-40SM	750	6x4	199 - 281	2900	385
SFP750-40SM	750	6x4	214 - 301	3000	385
SFP750-SN31SH	750	6x4	218 - 309	3500	405
SFP750-SN31SH	750	6x4	231 - 327	3600	405
SFP750-12SH	750	8x5	148 - 266	3500	362
SFP750-12SH	750	8x5	157 - 281	3600	362
SFP750-EL31SH	750	6x4	190 - 290	3500	377
SFP750-EL31SH	750	6x4	201 - 306	3600	377

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SINGLE STAGE CENTRIFUGAL FIRE PUMP, SPLIT CASE



Model Dsg	Rated Capacity (gpm)	Size (in.)	Rated Net Pressure Range (psi)	Approx Speed (rpm)	Max Working Pressure (psi)
SFP1000-31SM	1000	6X4	134 - 195	2900	220
SFP1000-29SM	1000	8X5	143-181	2900	268
SFP1000-29SM	1000	8X5	154-194	3000	268
SFP1000-30SM	1000	8X5	98-172	2900	
SFP1000-30SM	1000	8X5	106-185	3000	
SFP1000-40SM	1000	6x4	191 - 272	2900	385
SFP1000-40SM	1000	6x4	206 - 292	3000	385
SFP1000-12SH	1000	8x5	146 - 264	3500	362
SFP1000-12SH	1000	8x5	155 - 280	3600	362
SFP1000-15SH	1000	8x5	152 - 205	3500	300
SFP1000-15SH	1000	8x5	160 - 217	3600	300
SFP1000-36SM	1000	8x5	163 - 278	2900	375
SFP1000-36SM	1000	8x5	175 - 298	3000	375
SFP1000-EL31SH	1000	6x4	187 - 289	3500	377
SFP1000-EL31SH	1000	6x4	199 - 306	3600	377
SFP1250-29SM	1250	8X5	137-177	2900	268
SFP1250-29SM	1250	8X5	148-191	3000	268
SFP1250-30SM	1250	8X5	94-170	2900	275
SFP1250-30SM	1250	8X5	101-182	3000	275
SFP1250-12SH	1250	8x5	207 - 264	3500	362
SFP1250-12SH	1250	8x5	219 - 279	3600	362
SFP1250-15SH	1250	8x6	150 - 205	3500	300
SFP1250-15SH	1250	8x6	159 - 217	3600	300
SFP1250-36SM	1250	8x5	155 - 278	2900	375
SFP1250-36SM	1250	8x5	168 - 298	3000	375
SFP1250-EL31SH	1250	6x4	178 - 287	3500	377
SFP1250-EL31SH	1250	6x4	190 - 304	3600	377
SFP1500-30SM	1500	8X5	88-167	2900	239
SFP1500-30SM	1500	8X5	95-179	3000	239
SFP1500-15SH	1500	8x6	149 - 207	3500	300
SFP1500-15SH	1500	8x6	158 - 218	3600	300
SFP1500-36SM	1500	8x5	153 - 275	2900	375
SFP1500-36SM	1500	8x5	164 - 295	3000	375
SFP2000-15SH	2000	8x6	145 - 203	3500	300
SFP2000-15SH	2000	8x6	154 - 215	3600	300

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CENTRIFUGAL FIRE PUMP, END SUCTION



High quality cast iron casing with integral feet for support. It is equipped with standard bronze impeller and stainless steel shaft and sleeves.

- Top centerline Discharge
- Foot Supported Casing
- Back Pullout Design
- Self-Venting Design
- Efficiently Designed Shaft
- Frame-Mounted Design
- Small Footprint Ideal for Retrofit
- Dynamically Balanced Impeller
- Heavy Duty with Heavy Wall Thickness
- Hydrostatic & Certified Performance Tests
- Back Pump Out Vanes

Rated Capacity (gpm)	Model Dsg	Rated Net Pressure Range (psi)	Approx Speed (rpm)	
50	SFP 50 - 20 EM	68 - 87	2900	UL / FM
50	SFP 50 - 20 EH	101 - 129	3500	UL / FM
50	SFP 50 - 26 EM	115 - 140	2900	UL / FM
50	SFP 50 - 26 EH	163 - 206	3500	UL / FM
100	SFP 100 - 20 EH	119	3500	UL
100	SFP 100 - 26 EH	159 - 195	3500	UL
100	SFP 100 - 50 EH	104 - 128	3500	UL / FM
100	SFP 100 - 26 EM	109 - 134	2900	UL
100	SFP 100 - 42 EH	116 - 143	3000	UL
100	SFP 100 - 40 EH	162 - 198	3500	UL
150	SFP 150 - 26 EM	124	2900	UL
150	SFP 150 - 42 EH	107 - 135	3000	UL
150	SFP 150 - 26 EH	156 - 191	3500	UL
150	SFP 150 - 20 EH	102 - 126	3500	UL / FM
200	SFP 200 - 20 EH	96 - 120	3500	UL / FM
200	SFP 200 - 65 EM	115 - 136	2900	UL / FM
250	SFP 250 - 26 EM	113 - 134	2900	UL / FM
250	SFP 250 - 20 EH	103 - 124	3500	UL / FM
300	SFP 300 - 26 EM	110 - 132	2900	UL / FM
300	SFP 300 - 20 EH	101 - 123	3500	UL / FM
400	SFP 400 - 26 EM	110 - 133	2900	UL / FM
400	SFP 400 - 26 EH	191	3500	UL / FM
400	SFP 400 - 32 EM	158 - 200	2900	UL / FM
400	SFP 400 - 80 EH	105 - 193	3500	UL / FM
450	SFP 450 - 26 EM	109 - 132	2900	UL / FM
450	SFP 450 - 26 EH	188	3500	UL / FM
450	SFP 450 - 32 EM	154 - 198	2900	UL / FM
450	SFP 450 - 80 EH	102 - 190	3500	UL / FM
500	SFP 500 - 26 EM	108 - 131	2900	UL / FM
500	SFP 500 - 26 EH	185	3500	UL / FM
500	SFP 500 - 32 EM	149 - 194	2900	UL / FM
500	SFP 500 - 80 EH	99 - 188	3500	UL / FM
500	SFP 500 - 12 EM	111 - 133	2900	UL / FM
500	SFP 500 - 13 EM	122 - 210	2900	UL / FM
750	SFP 750 - 26 EM	102 - 127	2900	UL / FM
750	SFP 750 - 32 EM	122 - 207	2900	UL / FM

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CENTRIFUGAL FIRE PUMP, VERTICAL TURBINE



Rated Capacity (gpm)	Model Dsg	Rated Net Pressure Range (psi)	Approx Speed (rpm)
200	SFP - 750 - 70 - VT	40 - 248	1480
250	SFP - 750 - 70 - VT	40 - 248	1480
250	SFP - 750 - 70 - VT	48 - 351	1760
300	SFP - 750 - 70 - VT	40 - 247	1480
300	SFP - 750 - 70 - VT	48 - 351	1760
400	SFP - 750 - 70 - VT	40 - 244	1480
400	SFP - 750 - 70 - VT	46 - 349	1760
450	SFP - 750 - 70 - VT	40 - 241	1480
450	SFP - 750 - 70 - VT	44 - 347	1760
500	SFP - 750 - 70 - VT	40 - 236	1480
500	SFP - 750 - 70 - VT	44 - 343	1760
750	SFP - 750 - 70 - VT	40 - 320	1760
750	SFP - 1500 - 80 - VT	42 - 254	1480
1000	SFP - 1500 - 80 - VT	40 - 244	1480
1000	SFP - 1500 - 80 - VT	58 - 355	1760
1000	SFP - 2000 - 90 - VT	58 - 239	1480
1250	SFP - 1500 - 80 - VT	40 - 225	1480
1250	SFP - 1500 - 80 - VT	54 - 341	1760
1250	SFP - 2000 - 90 - VT	56 - 230	1480
1250	SFP - 2000 - 90 - VT	80 - 335	1760
1500	SFP - 1500 - 80 - VT	58 - 317	1760
1500	SFP - 2000 - 90 - VT	52 - 225	1480
1500	SFP - 2000 - 90 - VT	78 - 325	1760
2000	SFP - 2000 - 90 - VT	72 - 312	1760

- Designed and built as per UL 448 and NFPA20 for maximum reliability.
- Dynamically Balanced Impeller extends bearing life and ensures smoother operation.
- Constructed in variety of metallurgies.
- Available in 50Hz and 60Hz.
- Drivers with gear boxes at electric and diesel speeds.
- Designed for easy maintenance without interfering with piping.
- Open line shaft, water lubricated construction for ease of maintenance.
- Packaged systems available.
- Safety Venting Design eliminates vapor lock and the need for automatic air release valve.
- Efficiently Designed Shaft to minimize shaft deflection.
- Heavy Wall Thickness to provide for generous corrosion allowance.
- Space saver design, small footprint, ideal for retrofit.

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

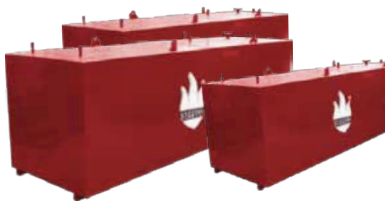
(Capacity upto 60000 Gallon)



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	48 (1.22)

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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.

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 DOOR AND 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 DoorPair with Astragal Single Point Lock, Mortise Fire Exit Hardware, Flush Bolts / Vertical Rod Fire Exit Hardware 450°F Temp Rise Door

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PORTABLE FIRE EXTINGUISHERS



POWDER EXTINGUISHERS

Model	Capacity	Fire Rating
PD1	1 Kg	8A - 34B
PD2	2 Kg	13A - 70B
PD4	4 Kg	21A - 113B
PD6	6 Kg	34A - 183B
PD6MAX	6 Kg	
PD9	9 Kg	43A - 233B
PD12	12 Kg	55A - 233B



CARBONDIOXIDE EXTINGUISHERS

Model	Capacity	Fire Rating
CD2G	2 Kg	21B
CD5G	5 Kg	55B



FOAM EXTINGUISHERS

Model	Capacity	Fire Rating
FX6	6 Ltr	21A - 144B
FX9	9 Ltr	21A - 183B
FX6MAX	6 Ltr	



WATER EXTINGUISHERS

Model	Capacity	Fire Rating
WH600J	6 Ltr	13A
WH600S	6 Ltr	13A
WH900J	9 Ltr	13A
WH900S	9 Ltr	21A



WET CHEMICAL EXTINGUISHERS

Model	Capacity	Fire Rating
SKF6	6 Ltr	13A - 75F



HALOTRON I EXTINGUISHERS

Model	Capacity	Fire Rating
PHT2	2 Kg	34B
PHT4	4 Kg	5A - 55B
PHT6	6 Kg	8A - 70B

FIRE HOSE



Model	Type	Size	Working Pressure
SFSJ40R-UL	Single jacket	1-1/2"	200 psi
SFSJ65R-UL	Single jacket	2-1/2"	200 psi
SFDJ40R-UL	Double jacket	1-1/2"	300 psi
SFDJ65R-UL	Double jacket	2-1/2"	300 psi

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



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



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	

SF30 SA-25 model hose reel is LPCB Approved

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OBLIQUE TYPE HOSE VALVE



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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"BSPT	BS336
SFD-K65-OLVS	DN65	200	218	2.5"BSP	BS336
SFD-K65-OLVSF	DN65	200	218	2.5"BSP(F)	BS336

RIGHT ANGLE TYPE HOSE VALVE



KM635798



FLANGED INLET

MODEL	SIZE	H (mm)	W (mm)	Inlet	Outlet
SFD-K50-RLVF	DN50	198	213	165	BS336
SFD-K65-RLVF	DN65	198	213	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 HOSE VALVE



KM635798



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"BSPT	BS336
SFD-K65-SLVS	DN65	235	213	2.5" BSP	BS336

WEDGE TYPE HOSE VALVE



KM635798



FLANGED INLET

MODEL	SIZE	H (mm)	W (mm)	Inlet	Outlet
SFD-K65-GLVF	DN65	300	155	185	BS336



SCREWED INLET

MODEL	SIZE	H (mm)	W (mm)	Inlet	Outlet
SFD-K65-GLVS	DN65	255	155	2.5"BSPT	BS336
SFD-K65-GLVST	DN65	255	138	2.5" BSP (F)	BS336

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PRESSURE REGULATING 'E' TYPE



KM635798



FLANGED INLET

MODEL	SIZE	H (mm)	W (mm)	Inlet	Outlet
SFD-K50-PRVF	DN50	380	225	165	BS336
SFD-K65-PRVF	DN65	380	225	185	BS336



SCREWED INLET

MODEL	SIZE	H (mm)	W (mm)	Inlet	Outlet
SFD-K65-PRVS	DN65	380	260	2.5" BSPT	BS336

BIB NOSE HOSE VALVE



KM635798



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

BREECHING COLLECTING HEAD



TWO WAY

MODEL	SIZE	H (mm)	W (mm)	D (mm)	Connections
SFD-K100-2WBI	DN100	225	300	100	2 x BS336
	DN100	225	300	100	2x2.5" BSP



FOUR WAY

MODEL	SIZE	H (mm)	W (mm)	D (mm)	Connections
SFD-K150-4WBI	DN150	215	330	150	4x BS336
	DN150	215	330	150	4x2.5" BSP

HOSE VALVES



Angle type hose valve with female/female and female/male ends for 300 psi working pressure.

Model	Size	Inlet	Outlet
SFAV15-UL	1.5" X 1.5"	1.5" F NPT	1.5" F NPT
SFAV20-UL	1.5" X 1.5"	1.5" F NPT	1.5" M NPT
SFAV25-UL	2.5" X 2.5"	2.5" F NPT	2.5" F NPT
SFAV30-UL	2.5" X 2.5"	2.5" F NPT	2.5" M NPT

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.

Model	Size	Nozzle Pressure	Discharge Wide Open
SFNH50-40	1-1/2"	100 psi	50 GPM
SFNH120-65	2-1/2"	100 psi	120 GPM

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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

FEATURES

- Meets all applicable parts of ANSI/AWWA C502 standard
- UL Listed (EX 16453) and FM Approved (FM1510)
- 250 psig working pressure, 400 psi testing pressure as per UL-EX 15971
- 500 psig working pressure, 500 psi test pressure as per FM 1510
- Secured by the stainless steel safety stem coupling, the hydrant prevents traffic damage by pulling out if hit by a vehicle preventing damage to the main valve and stem.
- Dual bronze drain ways
- Efficient hydraulic design provides optimum performance & maximum flow.
- Threaded & field replaceable hose nozzles & pumper outlet
- Ease of operation by anti-friction washer and forced lubrication
- Easily removable main valve from either the bonnet or ground line flange
- 360° nozzle section rotation
- Field replaceable nozzles secured with external stainless steel lock screw
- Epoxy lined hydrant shoe and nozzle section

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

DRY TYPE PILLAR FIRE HYDRANTS



- 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.
100SFH680-LPDIB	4"	2 x 2.5" BSP (65mm)	1 x 4" BSP (100mm)	1280Ba/01
100SFH1325-LPDI	4"	2 x 2.5" BSP (65mm)	1 x 4" BSP (100mm)	1280Ba/02
150SFH1080-LPDI	6"	2 x 2.5" BSP (65mm)	1 x 4" BSP (100mm)	1280Ba/03
150SFH680-LPDIB	6"	2 x 2.5" BSP (65mm)	1 x 4" BSP (100mm)	1280Ba/04

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.

PICTURES SHOWN IN THIS DOCUMENT
FOR PRESENTATION PURPOSE ONLY, ACTUAL MAY VARY

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