

Wet Barrel Hydrants

Wet barrel type hydrants contain water above the ground level and are subject to freezing. These hydrants are installed only in climates where they will not be exposed to freezing temperatures.

Model SFD-250-WH

Model SFD-250-WH				
Size, inch (mm)	Hose Outlets, inch (mm)	Pumper Connection, inch (mm)	Rated working pressure, psi (kPa)	Remarks
6 (150)	Two - 2 ½ (64)	4-1/2 (114)	250 (1725)	a

Remarks

a. Available with a 4 inch Monitor Flange

Company Name:	Saudi Factory for Fire Equipment FZCO
Company Address:	S-10833, Jabel Ali Free Zone Authority, South 1, PO Box 261318, Dubai, U.A..E.
Company Website:	http://www.sffeco.com
New/Updated Product Listing:	No
Listing Country:	United Arab Emirates
Certification Type:	FM Approved

Dry Barrel Hydrants

Hydrants are aboveground extensions of underground water mains, equipped with valves and/or connections for attaching fire hose. On FM Approved models, the pressure containing parts are usually made of cast iron or ductile iron. The valve seat, valve guide and other important working parts are usually made of bronze. A weather cap on the operating stem nut prevents the accumulation of ice, which would cause the hydrant to bind. Hose nipples are threaded, leaded and pinned, or twist-locked and set-screwed into the hydrant upper body.

The valve is opened or closed by a 15 in. (380 mm) long wrench fitted onto the operating stem nut. To prevent freezing, any water in the hydrant barrel drains out at the bottom through a small valve which opens simultaneously as the hydrant is shut down after use.

The name of the manufacturer and the year of manufacture are cast on the barrel, as well as the working pressure and the depth of bury line. On the bonnet, an arrow and the word "open" show the direction for opening the hydrant. The counterclockwise direction to open is required. Hydrants with pumper connections are not recommended for installation within plant yards.

Plans for installation of hydrants should be forwarded to your insurance company for review prior to installation. In particular, plans should be submitted if the hose and/or outlet connections are different from those listed below.

FM Approved hydrants can usually be obtained with standardized mechanical joint inlet or flanged inlet connections. Other types of inlet connection are mentioned in the specific manufacturer's listings. Hydrants should be anchored in accordance with FM Global Property Loss Prevention Data Sheet 3-10 or equal.

Standard outlets are for 2 1/2 in. (64 mm) hose size. Hydrants can be obtained with independent hose gate valves. Hydrant sizes shown are the inside diameter of the main hydrant valve. Unless otherwise noted in the listing, the hydrants have 175 psi (1205 kPa) rated working pressure.

Some hydrants, referred to as traffic types, have intentional sections of weakness near the ground line which fracture readily when struck with sufficient force by a moving motor vehicle. They are used to minimize damage to the main hydrant valve and simplify repairs.

Unless otherwise specified, the standard FM Approved hydrant inlet connection is 6 in. NPS.

Model SF-F-06

Model SF-F-06 Traffic Type				
Size, inch (mm)	Hose Outlets, inch (mm)	Pumper Connection, inch (mm)	Rated working pressure, psi (kPa)	Remarks
5 1/4 (133)	Two - 2 1/2 (64)	4 (102)	250 (1725)	a
5 1/4 (133)	Two - 2 1/2 (64)	5 (127)	250 (1725)	a, b

Remarks:

- a. Available with mechanical joint inlet connection.
 b. Available with a 5 inch Storz threadless pumper nozzle.

Company Name:	Saudi Factory for Fire Equipment FZCO
Company Address:	S-10833, Jabel Ali Free Zone Authority, South 1, PO Box 261318, Dubai, U.A..E.
Company Website:	http://www.sffeco.com
New/Updated Product Listing:	No
Listing Country:	United Arab Emirates
Certification Type:	FM Approved

Clean Extinguishing Agents

The extinguishing agents listed in this section are electrically nonconductive agents that extinguish fires as noted and leave no residue upon evaporation. These agents are listed in National Fire Protection Association: NFPA 2001, Standard on Clean Agent Fire Extinguishing Systems and are accepted by the United States Environmental Protection Agency (EPA) Significant New Alternatives Policy (SNAP) Program, subject to any SNAP "Narrowed Use Limits" and other restrictions.

Jurisdictions **outside** the United States may **not** recognize NFPA and EPA sanction of certain clean agents. Local and national governmental regulations should be consulted **prior** to agent selection.

Chemori™ 227

Trade Name:	Chemori™ 227
Chemical Identification:	1,1,1,2,3,3,3-heptafluoropropane
Designation:	HFC-227ea
Minimum Extinguishing Concentrations:	Class A – 5.8%
	Class B – 6.7%
ALC:	>80%
NOAEL:	9.00%
LOAEL:	10.50%
Uses:	For use in FM Approved fire extinguishing systems that have been tested expressly for use with HFC-227ea agent. Class A (surface burning only), Class B, and Class C extinguishing capabilities.

Company Name:	Chemori LLC
Company Address:	108 West 13th St, Wilmington, Delaware 19801, USA
Company Website:	Not Available
New/Updated Product Listing:	No
Listing Country:	United States of America
Agent Type:	HFC-227
Certification Type:	FM Approved



Certificate of Compliance

This certificate is issued for the following:

**Centrifugal Fire Pumps
(Horizontal, End Suction Type)**

SFP 50-20 EM, SFP 50-20 EH, SFP 50-26 EM, SFP 50-26 EH, SFP 100-50 EH, SFP 150-20 EH, SFP 200-20 EH, SFP 200-65 EM, SFP 250-20 EH, SFP 250-26 EM, SFP 300-20 EH, SFP 300-26 EM, SFP 400-26 EH, SFP 400-32 EM, SFP 400-26 EM, SFP 400-80 EH, SFP 450-26 EM, SFP 450-26 EH, SFP 450-32 EM, SFP 450-80 EH, SFP 500-12 EM, SFP 500-13 EM, SFP 500-26 EM, SFP 500-26 EH, SFP 500-32 EM, SFP 500-80 EH, SFP 750-26 EM and SFP 750-32 EM

Prepared for:

Saudi Factory for Fire Equipment FZCo
PO Box 261281
JAFZ South
Dubai, S-1083, UAE

FM Approvals Class: 1319

Approval Identification: 3052725 Approval Granted: November 20, 2014

“To verify the availability of the Approved product, please refer to www.approvalguide.com”

Said Approval is subject to satisfactory field performance, continuing Surveillance Audits, and strict conformity to the constructions as shown in the Approval Guide, an online resource of FM Approvals.

A handwritten signature in black ink, appearing to read 'Richard B. Dunne', written over a horizontal line.

Richard B. Dunne
Manager of Fire Protection
FM Approvals
1151 Boston-Providence Turnpike
Norwood, MA 02062



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Certificate of Compliance

This certificate is issued for the following:

Centrifugal Fire Pumps
(Axial Split-Case Type)
(See attached listing)

Prepared for:

Saudi Factory for Fire Equipment FZCo
PO Box 261318
JAFZA South
Dubai S-1083
United Arab Emirates

FM Approvals Class: 1311

Approval Identification: 3056022

Approval Granted: September 14, 2016

To verify the product continues to be Approved please refer to www.approvalguide.com.

Said Approval is subject to satisfactory field performance, continuing Surveillance Audits, and strict conformity to the constructions as shown in the Approval Guide, an online resource of FM Approvals.

A handwritten signature in black ink that reads 'D. B. Fuller'.

David B. Fuller
AVP, Manager of Fire Protection
FM Approvals
1151 Boston-Providence Turnpike
Norwood, MA 02062 USA



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Certificate of Compliance

Product	Rated Capacity, (gal/min)	Rated Capacity, (dm ³ /min)	Rated Net Head at Rated Capacity, psi	Rated Net Head at Rated Capacity, kPa	Rated Speed, r/min	Suction Inlet, dia., in.	Discharge Outlet, dia., in.
SFP150-28SM	150	580	101-156	695-1075	2900	5	3
SFP150-28SM	150	580	108-167	745-1150	3000	5	3
SFP150-35SM	150	580	125-224	860-1545	2900	5	3
SFP150-35SM	150	580	133-240	915-1655	3000	5	3
SFP150-25SH	150	580	114-208	785-1435	3500	6	4
SFP150-25SH	150	580	121-220	835-1515	3600	6	4
SFP150-SN31SH	150	580	226-316	1560-2180	3500	6	4
SFP150-SN31SH	150	580	234-327	1615-2255	3565	6	4
SFP150-40SM	150	580	206-289	1420-1995	2900	6	4
SFP150-40SM	150	580	221-310	1525-2135	3000	6	4
SFP200-28SM	200	755	101-156	695-1075	2900	5	3
SFP200-28SM	200	755	108-167	745-1150	3000	5	3
SFP200-35SM	200	755	124-224	855-1545	2900	5	3
SFP200-35SM	200	755	133-240	915-1655	3000	5	3
SFP200-25SH	200	755	114-207	785-1425	3500	6	4
SFP200-25SH	200	755	121-219	835-1510	3600	6	4
SFP200-SN31SH	200	755	226-317	1560-2185	3500	6	4
SFP200-SN31SH	200	755	234-329	1615-2270	3565	6	4
SFP200-40SM	200	755	206-289	1420-1995	2900	6	4
SFP200-40SM	200	755	220-309	1515-2130	3000	6	4
SFP250-28SM	250	945	101-156	695-1075	2900	5	3
SFP250-28SM	250	945	108-167	745-1150	3000	5	3
SFP250-35SM	250	945	123-223	850-1540	2900	5	3
SFP250-35SM	250	945	132-239	910-1650	3000	5	3
SFP250-25SH	250	945	114-207	785-1425	3500	6	4
SFP250-25SH	250	945	121-219	835-1510	3600	6	4
SFP250-SN31SH	250	945	226-317	1560-2185	3500	6	4
SFP250-SN31SH	250	945	234-329	1615-2270	3565	6	4
SFP250-40SM	250	945	206-288	1420-1985	2900	6	4
SFP250-40SM	250	945	220-308	1515-2125	3000	6	4
SFP300-28SM	300	1135	100-156	690-1075	2900	5	3
SFP300-28SM	300	1135	107-167	740-1150	3000	5	3
SFP300-35SM	300	1135	122-222	840-1530	2900	5	3
SFP300-35SM	300	1135	131-237	905-1635	3000	5	3
SFP300-25SH	300	1135	114-206	785-1420	3500	6	4
SFP300-25SH	300	1135	121-219	835-1510	3600	6	4
SFP300-SN31SH	300	1135	226-316	1560-2180	3500	6	4



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Product	Rated Capacity, (gal/min)	Rated Capacity, (dm ³ /min)	Rated Net Head at Rated Capacity, psi	Rated Net Head at Rated Capacity, kPa	Rated Speed, r/min	Suction Inlet, dia., in.	Discharge Outlet, dia., in.
SFP300-SN31SH	300	1135	234-328	1615-2260	3565	6	4
SFP300-40SM	300	1135	206-286	1420-1970	2900	6	4
SFP300-40SM	300	1135	220-307	1515-2115	3000	6	4
SFP400-28SM	400	1515	98-155	675-1070	2900	5	3
SFP400-28SM	400	1515	105-166	725-1145	3000	5	3
SFP400-35SM	400	1515	120-219	825-1510	2900	5	3
SFP400-35SM	400	1515	129-234	890-1615	3000	5	3
SFP400-25SH	400	1515	113-206	780-1420	3500	6	4
SFP400-25SH	400	1515	120-218	825-1505	3600	6	4
SFP400-SN31SH	400	1515	225-314	1550-2165	3500	6	4
SFP400-SN31SH	400	1515	233-326	1605-2250	3565	6	4
SFP400-40SM	400	1515	206-285	1420-1965	2900	6	4
SFP400-40SM	400	1515	221-305	1525-2105	3000	6	4
SFP450-28SM	450	1705	96-155	660-1070	2900	5	3
SFP450-28SM	450	1705	104-166	715-1145	3000	5	3
SFP450-25SH	450	1705	113-206	780-1420	3500	6	4
SFP450-25SH	450	1705	120-218	825-1505	3600	6	4
SFP450-SN31SH	450	1705	224-313	1545-2160	3500	6	4
SFP450-SN31SH	450	1705	233-325	1605-2240	3565	6	4
SFP450-40SM	450	1705	205-284	1415-1960	2900	6	4
SFP450-40SM	450	1705	220-304	1515-2095	3000	6	4
SFP500-31SM	500	1895	130-197	895-1360	2900	6	4
SFP500-31SM	500	1895	139-212	960-1460	3000	6	4
SFP500-28SM	500	1895	94-154	650-1060	2900	5	3
SFP500-28SM	500	1895	102-165	705-1140	3000	5	3
SFP500-25SH	500	1895	113-205	780-1415	3500	6	4
SFP500-25SH	500	1895	120-217	825-1495	3600	6	4
SFP500-SN31SH	500	1895	224-312	1545-2150	3500	6	4
SFP500-SN31SH	500	1895	232-324	1600-2235	3565	6	4
SFP500-40SM	500	1895	204-284	1405-1960	2900	6	4
SFP500-40SM	500	1895	219-304	1510-2095	3000	6	4
SFP500-32SM	500	1895	119-198	820-1365	2900	6	4
SFP500-32SM	500	1895	128-212	885-1460	3000	6	4
SFP750-31SM	750	2840	127-196	875-1350	2900	6	4
SFP750-31SM	750	2840	136-210	940-1450	3000	6	4
SFP750-EL31SH	750	2840	190-290	1310-2000	3500	6	4
SFP750-EL31SH	750	2840	196-299	1350-2060	3555	6	4



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Product	Rated Capacity, (gal/min)	Rated Capacity, (dm ³ /min)	Rated Net Head at Rated Capacity, psi	Rated Net Head at Rated Capacity, kPa	Rated Speed, r/min	Suction Inlet, dia., in.	Discharge Outlet, dia., in.
SFP750-25SH	750	2840	106-199	730-1370	3500	6	4
SFP750-25SH	750	2840	113-211	780-1455	3600	6	4
SFP750-SN31SH	750	2840	218-309	1505-2130	3500	6	4
SFP750-SN31SH	750	2840	227-321	1565-2215	3565	6	4
SFP750-40SM	750	2840	199-281	1370-1935	2900	6	4
SFP750-40SM	750	2840	214-301	1475-2075	3000	6	4
SFP750-29SM	750	2840	148-182	1020-1255	2900	8	5
SFP750-29SM	750	2840	159-196	1095-1350	3000	8	5
SFP750-12SH	750	2840	148-266	1020-1835	3500	8	5
SFP750-12SH	750	2840	157-281	1080-1935	3600	8	5
SFP750-32SM	750	2840	111-194	765-1340	2900	6	4
SFP750-32SM	750	2840	120-208	825-1435	3000	6	4
SFP1000-31SM	1000	3780	124-190	855-1310	2900	6	4
SFP1000-31SM	1000	3780	133-204	915-1405	3000	6	4
SFP1000-EL31SH	1000	3780	187-289	1290-1995	3500	6	4
SFP1000-EL31SH	1000	3780	193-298	1330-2055	3555	6	4
SFP1000-40SM	1000	3785	191-272	1315-1875	2900	6	4
SFP1000-40SM	1000	3785	206-292	1420-2015	3000	6	4
SFP1000-29SM	1000	3785	143-181	985-1250	2900	8	5
SFP1000-29SM	1000	3785	154-194	1060-1340	3000	8	5
SFP1000-12SH	1000	3785	146-264	1005-1820	3500	8	5
SFP1000-12SH	1000	3785	155-280	1070-1930	3600	8	5
SFP1000-30SM	1000	3785	98-172	675-1185	2900	8	5
SFP1000-30SM	1000	3785	103-180	710-1240	2960	8	5
SFP1000-36SM	1000	3785	163-278	1125-1915	2900	8	5
SFP1000-36SM	1000	3785	165-280	1138-1930	2910	8	5
SFP1000-15SH	1000	3785	152-205	1050-1415	3500	8	5
SFP1000-15SH	1000	3785	160-217	1105-1495	3600	8	5
SFP1250-EL31SH	1250	4730	178-287	1225-1980	3500	6	4
SFP1250-EL31SH	1250	4730	184-296	1270-2040	3555	6	4
SFP1250-29SM	1250	4730	137-177	945-1220	2900	8	5
SFP1250-29SM	1250	4730	148-191	1020-1315	3000	8	5
SFP1250-12SH	1250	4730	207-264	1425-1820	3500	8	5
SFP1250-12SH	1250	4730	219-279	1510-1925	3600	8	5
SFP1250-30SM	1250	4730	94-170	650-1170	2900	8	5
SFP1250-30SM	1250	4730	98-177	675-1220	2960	8	5
SFP1250-36SM	1250	4730	155-278	1070-1915	2900	8	5



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<i>Product</i>	<i>Rated Capacity, (gal/min)</i>	<i>Rated Capacity, (dm³/min)</i>	<i>Rated Net Head at Rated Capacity, psi</i>	<i>Rated Net Head at Rated Capacity, kPa</i>	<i>Rated Speed, r/min</i>	<i>Suction Inlet, dia., in.</i>	<i>Discharge Outlet, dia., in.</i>
SFP1250-36SM	1250	4730	156-280	1075-1930	2910	8	5
SFP1250-15SH	1250	4730	150-205	1035-1415	3500	8	5
SFP1250-15SH	1250	4730	159-217	1095-1495	3600	8	5
SFP1500-30SM	1500	5680	88-167	605-1150	2900	8	5
SFP1500-30SM	1500	5680	92-174	635-1200	2960	8	5
SFP1500-36SM	1500	5680	153-275	1055-1895	2900	8	5
SFP1500-36SM	1500	5680	154-277	1060-1910	2910	8	5
SFP1500-15SH	1500	5680	149-206	1025-1420	3500	8	5
SFP1500-15SH	1500	5680	158-218	1090-1505	3600	8	5
SFP2000-15SH	2000	7570	145-203	1000-1400	3500	8	5
SFP2000-15SH	2000	7570	154-215	1060-1480	3600	8	5



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