



250 PSI DRY BARREL FIRE HYDRANTS, FLANGED OR MECHANICAL JOINT ENDS

MODEL: SFL-DBH-250-F or SFL-DBH-250-MJ



GENERAL DESCRIPTION

Sanflo Dry Barrel Hydrants provide a connection point for firefighters to tap into a water supply. When the hydrant is not in use, water is drained (or can be pumped) from the barrel. A main valve located in the base allows for the hydrant to be pressurized or drained. Upon opening the main valve, the barrel is pressurized. Upon closing the main valve, the barrel is drained. Sanflo hydrants can be installed in any environment, but are especially useful in freezing conditions.

BASE SIZE: 6"

HOSE OUTLETS: 2 1/2"

PUMPER OUTLET: 4 1/2"

KEY TECHNICAL FEATURES

Conforms to: ANSI / AWWA C502 standard	Max working pressure: 250PSI (17 bar), test pressure of 500PSI (34 bar) PER UL246 and FM1510
Approvals: UL & FM	360° nozzle rotation with dual bronze drain way
Flanged ends are ANSI B16.2, class 150 Mech joint ends are ANSI / AWWA C153/A21.53	Min/max working temperature: 33°F to 126°F (0.6°C to 52°C)
Designed to prevent damage to main valve if hit accidentally	Coating: fusion bonded epoxy interior And exterior conforming to AWWA c550
Very efficient hydraulic design provides optimum performance and maximum flow	Field replaceable nozzles; easily removable main valve

CARE AND MAINTENANCE

No regular maintenance is required, however it is advisable to annually inspect and verify proper operation. The frequency of testing, inspections, and/or maintenance is the sole responsibility of the end user. Only qualified fire protection integrators should perform any required maintenance involving the valve.

ORDERING INFORMATION

Specify model **SFL-DBH-250-F** or **SFL-DBH-250-MJ**, and include desired bury depth as seen on chart.



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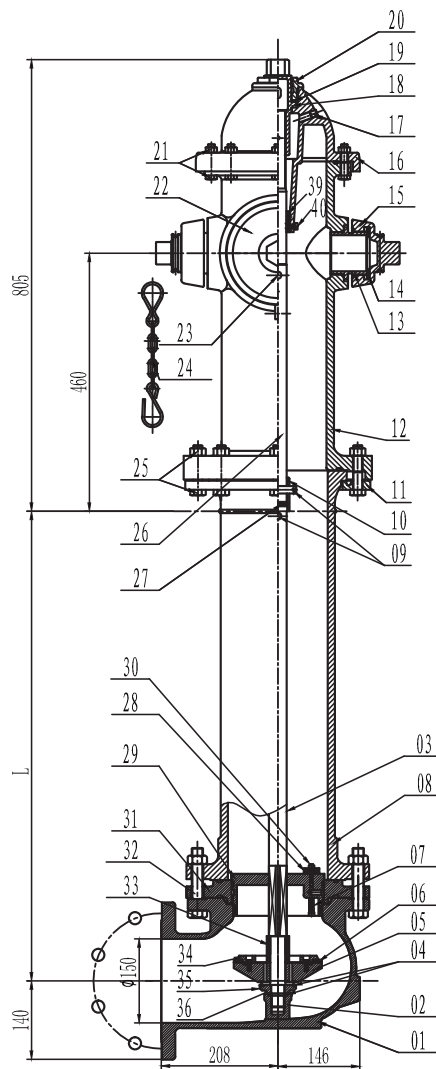
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MATERIAL SPECIFICATIONS		
ITEM	PART	MATERIAL & SPEC
1	Operating Nut	Bronze, ASTM B62
2	Hold Down Nut	Bronze, ASTM B62
3	O-Ring	NBR
4	Bonnet	Ductile Iron, A536-65-45-12
5	Bonnet Bolt & Nut	Carbon Steel, AISI 1045
6	Upper Rod	Stainless Steel, AISI 304
7	Pumper Nozzle	Bronze, ASTM B62
8	Pumper Nozzle Gasket	NBR
9	Hose Nozzle	Bronze, ASTM B62
10	Hose Nozzle Gasket	NBR
11	Pumper Nozzle Cap	Ductile Iron, A536-65-45-12
12	Hose Nozzle Cap	Ductile Iron, A536-65-45-12
13	Cap Chain	Carbon Steel, PLATED
14	Standpipe Upper	Ductile Iron, A536-65-45-12

MATERIAL SPECIFICATIONS		
ITEM	PART	MATERIAL & SPEC
15	Safety Coupling	Stainless Steel, A890
16	Safety Flange Bolt & Nut	Stainless Steel, AISI 201
17	Safety Flange	Ductile Iron, A536-65-45-12
18	Lower Rod	Carbon Steel, AISI 1045
19	Standpipe Lower	Ductile Iron, A536-65-45-12
20	Stem Pin	Stainless Steel, A276
21	Drain Ring Housing	Ductile Iron, A536-65-45-12
22	Drain ring	Bronze, ASTM B62
23	Seat Ring	Bronze, ASTM B62
24	Bottom Plate	Ductile Iron, A536-65-45-12
25	Disc Ring	NBR
26	Bottom Plate Nut	Ductile Iron, A536-65-45-12
27	Elbow	Ductile Iron, A536-65-45-12

SANFLO PRODUCT WARRANTY

One (1) year from original sale date. Sanflo guarantees to repair or replace any products deemed to be defective in material or fabrication. Visit our website for full warranty details.



Technical requirements

- 1.Design standard :
ANSI/AWWA C502.
- 2.Normal pressure : 250PSI.
- 3.Connecting thread of fire truck is 4.5—4NH ,2 thread connector of soft pipe is 2.5—7.5NH.
- 4.Flange connector:
ASME B16.5 CLASS150/DIN 2501 PN16.

Can choose the length

L	3'	3'6"	4'	4'6"	5'	5'6"	6'	6'6"	7'
	914	1063	1215	1368	1520	1673	1825	1978	2130

40	Bolt	2	304	ASTM A240		
39	Screw stem bushing	1	304	ASTM A240	MH-XHS-39	02
38	100 Cover gasket	1	EPDM	Figure not shown	MH-XHS-36	01
37	100 Connector	1	C95400	ASTM B148	MH-XHS-35	03
36	Check turn gasket	1	Gr. B	ASTM A283-B	MH-XHS-34	01
35	Locking nut seat	1	DI		MH-XHS-38	01
34	Platen	1	DI		MH-XHS-33A	01
33	Annular tubes	1	1045	ASTM A29\29M	MH-XHS-37	01
32	Bolt, nut	6	1035	ASTM A29\29M		
31	Seat fixing plate	1	DI		MH-XHS-31	01
30	Bolt, nut	2	304	ASTM A240		
29	Seat	1	C95400	ASTM B148	MH-XHS-29A	01
28	Drain hole Cover	1	C95400+EPDM		MH-XHS-40	01
27	Cushion rubber	1	EPDM		MH-XHS-27	01
26	Screw stem	1	1045	ASTM A29\29M	MH-XHS-26	01
25	Bolt, Nut	8	1035	ASTM A29\29M		
24	Cover chain	3	Gr. B	ASTM A283-B	MH-XHS-24	01
23	Cylindrical pin	1	1045	ASTM A29\29M	MH-XHS-23	01
22	100 Cover	1	DI		MH-XHS-22	01
21	Bolt, Nut	8	1035	ASTM A29\29M		
20	Screw nut seat	1	C95400	ASTM B148	MH-XHS-20A	01
19	Screw nut gasket	1	C95400	ASTM B148	MH-XHS-19A	01
18	Screw stem nut	1	C95400	ASTM B148	MH-XHS-18A	01
17	Thread plug	1	C95400	ASTM B148	MH-XHS-17A	01
16	Upper end cover	1	DI		MH-XHS-16A	01
15	65 Cover	2	DI		MH-XHS-15	01
14	65 Cover gasket	2	EPDM		MH-XHS-14	01
13	65 Connector	2	C95400	ASTM B148	MH-XHS-13A	01
12	Main body on ground	1	DI		MH-XHS-12	01
11	Clamp for connection tube	1	DI		MH-XHS-11	01
10	Connecting rod sleeve	1	1045	ASTM A29\29M	MH-XHS-10	01
09	Perforated cylindrical pin	2	1045	ASTM A29\29M	MH-XHS-09	01
08	Connecting cylinder	1	DI		MH-XHS-08	02
07	Drain hole Spring	2	316	ASTM A240	MH-XHS-41	01
06	Sealed rubber sheet	1	EPDM		MH-XHS-06A	01
05	Tray	1	DI		MH-XHS-05A	01
04	Locking nut gasket	1	EPDM			
03	Connecting rod	1	1045	ASTM A29\29M	MH-XHS-03	02
02	Locking nut	1	DI		MH-XHS-02	01
01	Flange connector	1	DI		MH-XHS-01B	01
No.	Name	Qty	Material	Remark	Drawing No.	Version No.

					Fire Hydrant (Dry Barrel Type) Assembly			
MARK	INDEX	FILE NO.	SIGN	DATE		Version No.	WEIGHT	SCALE
DESIGNED						03		
CHECKED						PAGE	PAGES	
CRAFT					SFL-DBH-250F			
APPROVED								

