



Certified FIRE HYDRANTS

SF-HDR-UL/FM-06-21-VER01

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DRY BARREL FIRE HYDRANT



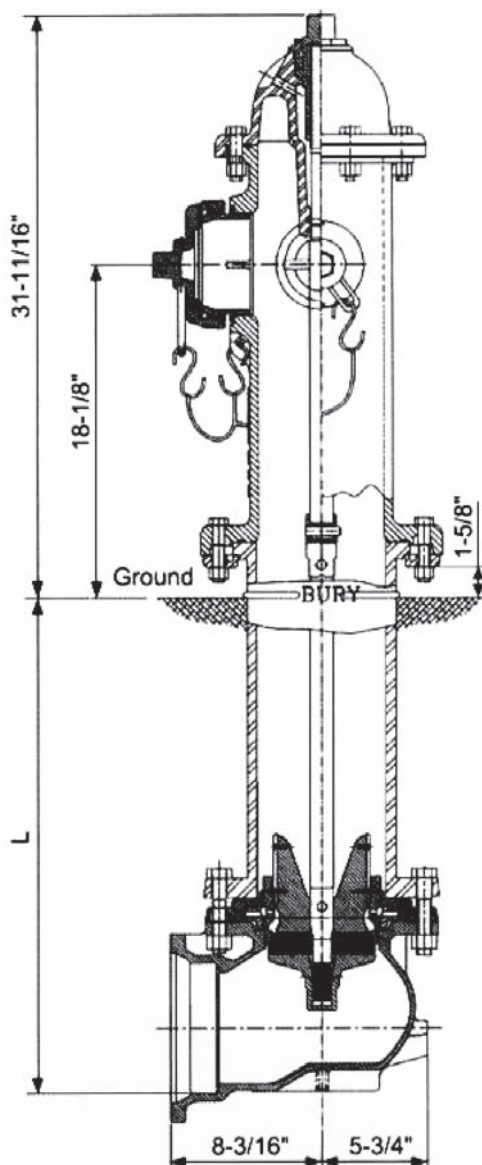
- ▶ Meets all applicable parts of ANSI/AWWA C502 standard
- ▶ UL Listed (EX16453) and FM Approved (FM1510)
- ▶ 250 psig working pressure, 400psi testing pressure as per UL-EX 15971
- ▶ 500 psig working pressure, 500 psi test pressure as per FM1510
- ▶ Secured by the stainless steel safety stem coupling, and hydrant prevent 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 and maximum flow.
- ▶ Threaded and field replaceable hose nozzles and pumper outlet.
- ▶ Ease of operation by anti-friction washer and forced lubrication
- ▶ Easily removable main valve from either the bonnet or grounded line flange
- ▶ 360° nozzle section rotation
- ▶ Field replaceable nozzles secured with external stainless steel lock screw
- ▶ Epoxy lined hydrant shoe and nozzle section



MODEL	LENGTH (mm)	LENGTH (feet)	WEIGHT
SF-F-06 (900)	900 mm	3' - 0"	170 kg.
SF-F-06 (1050)	1050 mm	3' - 6"	178 kg.
SF-F-06 (1200)	1200 mm	4' - 0"	183 kg.
SF-F-06 (1350)	1300 mm	4' - 6"	196 kg.
SF-F-06 (1500)	1500 mm	5' - 0"	200 kg.
SF-F-06 (1650)	1650 mm	5' - 6"	210 kg.
SF-F-06 (2050)	2050 mm	6' - 0"	215 kg.

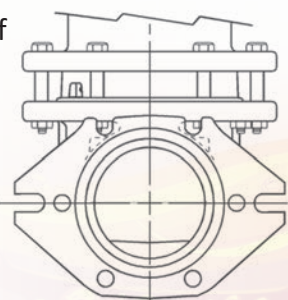
CONSTRUCTION:

- ▶ Seating type is resilient material to bronze seat construction
- ▶ One pumper nozzle, 4.5-4NH thread, Two hose nozzle, 2.5-7.5NH thread, Other size thread also available.
- ▶ 6" Mechanical Joint designed to ANSI/AWWA C153/A21.53.



Front View Detail of Mechanical Joint

Note: Mechanical Joint is Available upon request;
Standard is ANSI Flange

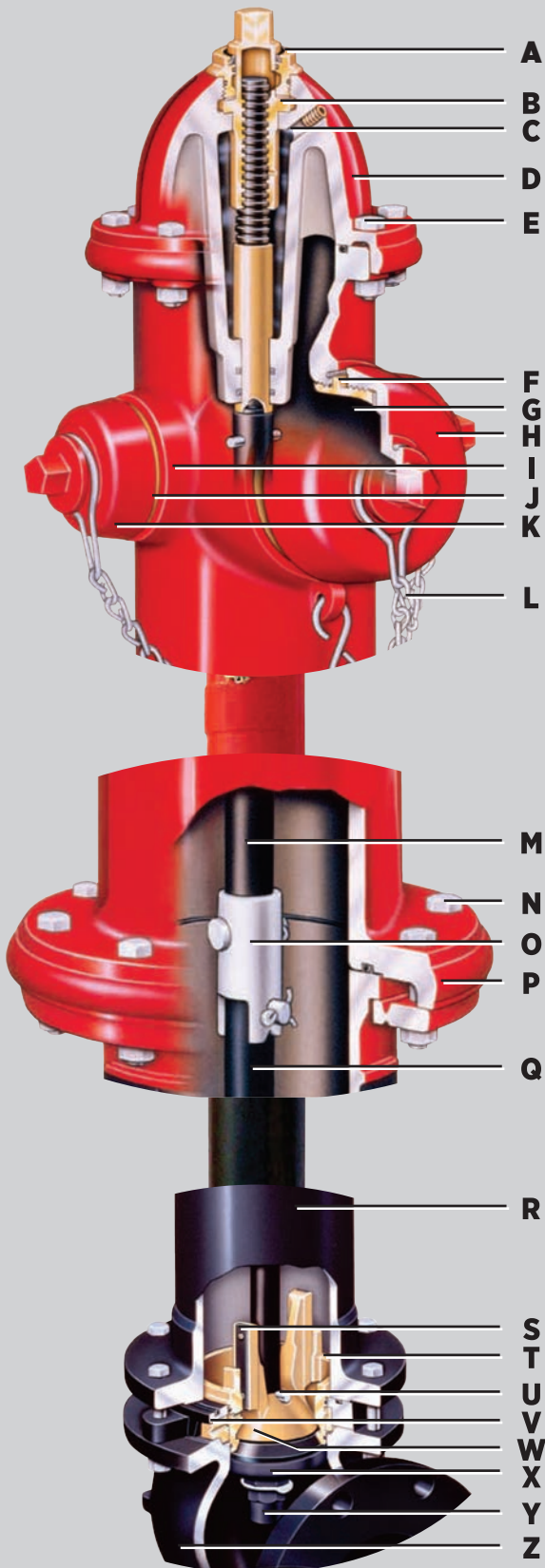


MATERIALS LIST

PART NAME	MATERIAL	ASTM SPEC.
Operating Nut	Bronze	ASTM B62
Hold Down Nut	Bronze	ASTM B62
O-Ring	Rubber	ASTM D2000
Oil Fill Plug	Brass	ASTM B16
Bonnet	Cast Iron	A126 Class B
Bonnet Bolt & Nut	Stainless Steel	AISI 201
Upper Rod	Carbon Steel	AISI 1045
Pumper Nozzle	Bronze	ASTM B62
Pumper Nozzle Gasket	Rubber	ASTM D2000
Pumper Nozzle Cap	Cast Iron	A126 Class B
Hose Nozzle	Bronze	ASTM B62
Hose Nozzle Gasket	Rubber	ASTM D2000
Hose Nozzle Cap	Cast Iron	A126 Class B
Cap Chain	Carbon Steel	Plated
Standpipe Upper	Cast Iron	A126 Class B
Safety Coupling	Stainless Steel	A890
Safety Flange Bolt & Nut	Stainless Steel	AISI 201
Safety Flange	Cast Iron	A126 Class B
Lower Rod	Carbon Steel	AISI 1045
Standpipe Lower	Cast iron	A126 Class B
Stem Pin	Stainless Steel	A276
Drain Ring Housing	Ductile Iron	A536 65-45-12
Drain Ring	Bronze	ASTM B62
Seat Ring	Bronze	ASTM B62
Bottom Valve Plate	Ductile Iron	A536 65-45-12
Disc Ring	Rubber	ASTM 2000
Bottom Plate Nut	Ductile Iron	A536 65-45-12
Elbow	Ductile Iron	A536 65-45-12

A-Z *of* SF-F-06

DRY BARREL FIRE HYDRANT



- A HOLD DOWN NUT**
Non-Corrosive Bronze Nut with integral weather seal, secures the operating nut and prevents unauthorized removal.
- B O-RING**
O-Ring, the hydrant's anti-friction washer assures smooth and easy turning operation of the product.
- C OIL FILL PLUG**
Allows for easy check and change of the hydrant's oil and its level without the need of opening the bonnet.
- D BONNET**
The hydrants bonnet or cap is a cast iron single unit preventing water entry to safeguard the O-ring and hold operating nut.
- E BONNET BOLT AND NUT**
Made of stainless steel as per AISI201 specifications holds the bonnet and the standpipe together.
- F PUMPER NOZZLE GASKET**
Made of rubber as per ASTM D2000. The gasket ensures tight seal of the hydrant pumper nozzle from leakage.
- G PUMPER NOZZLE**
The bronze constructed 4" pumper outlet ensures high performance, effective flow of water and reduces friction.
- H PUMPER NOZZLE CAP**
The cast iron constructed cap ensures protection of the nozzle threads and prevents misuse and external damage.
- I HOSE NOZZLE**
The two bronze constructed 2.5" hose outlets ensure effective water flow & provides flexible hose connection.
- J HOSE NOZZLE GASKET**
Made of rubber as per ASTM D2000. It ensures tight seal of the two hydrant hose nozzles from leakage.

K HOSE NOZZLE CAP
The cast iron constructed cap ensures protection of the nozzle threads and prevents misuse and external damage.

L CAP CHAIN
A heavy duty, special type, looped non-kinking chain is used to enable free opening and closing of the cap.

M UPPER ROD
Carbon steel stem provides smooth non-corrosive surface for holding O-rings to the bearing surface.

N SAFETY FLANGE BOLT & NUT
Safety Flange Bolt and Nut helps to prevent corrosion. They build a strong joint but also are easy to open for any maintenance.

O SAFETY COUPLING
High strength coupling assures a tight connection to the stem, protecting the main barrel from traffic induced damage.

P SAFETY FLANGE
Permits easy and economical ways of maintenance, addition and change of upper barrel without excavation.

Q LOWER ROD
The extension of the upper rod downwards from the safety flange to the main valve at the elbow.

R STAND PIPE
Cast Iron moulded durable barrel to hold one pumper nozzle and two hose nozzles of required thread sizes.

S DRAIN RING HOUSING
Made of ductile iron, it houses the drain ring which helps in reducing the wear and tear due to excessive usage.

T SEAT RING
Seat rings are permanently affixed to the Elbow with the drain ring and O-ring seal, providing easy seat removal.

U STEM PIN
Stainless steel stem pin rigidly secures the bottom valve plate of the hydrant to the lower stem.

V DRAIN VALVE FACING
Unique pressure activated drain valve assures positive shut-off by tightening the seal as per the pressure level.

W BOTTOM VALVE PLATE
Conically designed, epoxy bonded single component compress the drain valve securing it to the lower stem.

X DISC RING
Compression type ring for sealing. Rubber made reversible type assures longer life and is convenient to use.

Y BOTTOM PLATE NUT
Sealed by a nut gasket, retains the main valve preventing corroding of stem threads and is locked by a washer.

Z ELBOW
Extended neck of the Elbow with integral anti-rotation pads provides for maximum flow and easy connection.

WET BARREL FIRE HYDRANT



Model: SFD-250-WH (C) *Closed Head*

Model: SFD-250-WH (F) *Flange Head*

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.

Manufactured in accordance with AWWA C503 Standard

(1) 4.5" Pumper Nozzle, (2) 2.5" Hose Nozzles

Nozzle Threads to NFPA 1963 Standard

Flange to ANSI B16.1, Class 125 (6"). Other types available upon request

Working Pressure:

250PSI for FM approval & 200PSI for UL listed

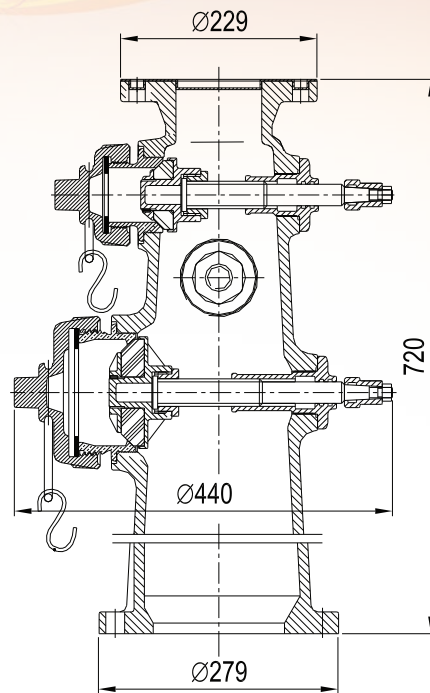
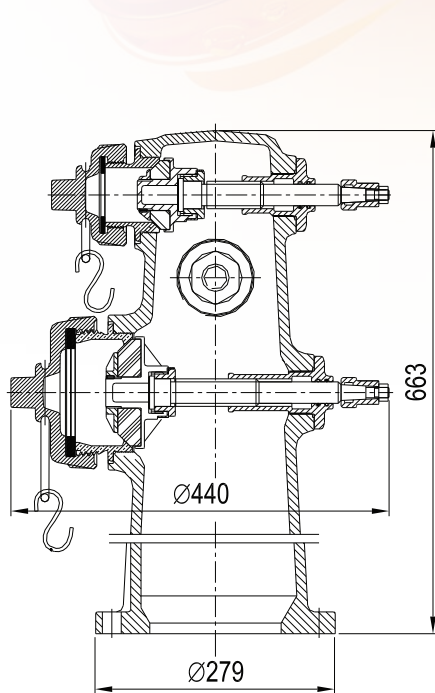
Working Temperature: 42°F - 180°F

Corrosion protection:

Interior and exterior is e-coated to a dry film thickness of 0.6 mils minimum, then fusion bonded epoxy powder coated (FBE).

Note:

Design and material are subject to change without notice



Part Name	Material	ASTM Spec.
Body	Ductile Iron	A536 65-45-12
Pumper Nozzle Cap	Cast Iron	A126 Class B
Pumper Nozzle	Bronze	B62 C83600
Main Valve	Rubber	NBR
Main Valve Holder	Stainless Steel	AISI 304
Hose Nozzle Cap	Cast Iron	A126 Class B
Hose Nozzle	Bronze	B62 C83600
Stem	Stainless Steel	AISI 304
Stem Nut	Bronze	B62 C83600
Operating Nut	Bronze	B62 C83600
O-ring	Rubber	NBR
Pumper Nozzle Gasket	Rubber	NBR
Hose Nozzle Gasket	Rubber	NBR

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