

Mechanical Joint Dry Barrel Fire Hydrant

Model: SSF-J

Doc NO:DS-901-SSF-J-01-E-X

1.0 Product Review

Anti-collision Type Dry Barrel Fire Hydrants are water supply facilities installed on the fire water supply network outside buildings, mainly for fire trucks to take water from the municipal water supply network or outdoor fire water supply network for extinguishing fires. They can also be directly connected to water belts or water guns to extinguish fires. They are one of the important fire prevention facilities for extinguishing fires.



Dimensions:

5-1/4" (DN150X128X1524)

Design Standard:

AWWA C502、UL 246、FM 1510

Connection Standard:

ANSI/AWWA C111/A21.11

Working Pressure:

300PSI、250PSI、200PSI、175PSI

Application:

Anti-collision Type Dry Barrel Fire Hydrants are water supply facilities installed on the fire water supply network outside buildings, with a working temperature range of 0-80 °C

Material & Standard of Mating Products:

Material: ASTM A536,65-45-12

Standard: ANSI/AWWA C111/A21.11

Surface Treatment:

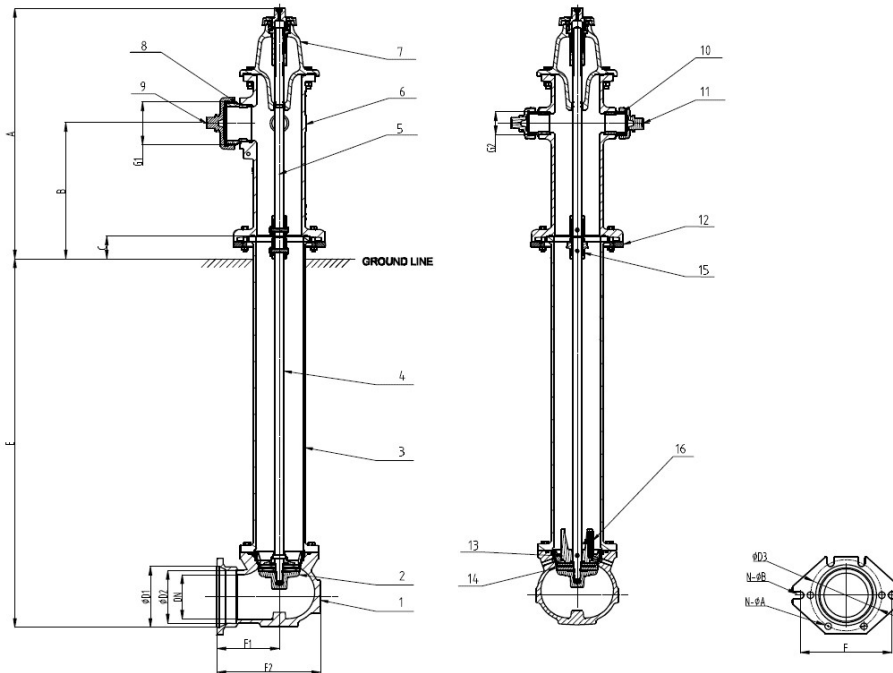
- Epoxy spray (optional color codes such as RAL3000, RAL3001, RAL3016, etc.)
- Paint (optional color code such as RAL3000, etc.)
- Other surfaces can be provided according to customer requirements

2.0 Certificate



3.0 SPECIFICATIONS

Product Sketch:



SSF-J Dry Barrel Fire Hydrant Product Structure

SSF-J Dry Barrel Fire Hydrant Buried Depth

No.	Diameter	Pumper Connection Nozzle size	Hose Connection Nozzle Size	Buried Depth	Optional Buried Depth
1	6"	1-4.5-4NH	2-2.5-7.5NH	60"	36", 42", 54", 60", 66", 72"

SSF-J Material Specification

No.	Part	Standard Specification	Options
1	Elbow	ASTM A536 65-45-12	
2	Bottom Plate	ASTM A536 65-45-12	
3	Lower Tube	ASTM A536 65-45-12	
4	Lower Shaft	Carbon Steel Galvanized	AISI 420
5	Upper Shaft	Carbon Steel Galvanized	AISI 420
6	Upper Cylinder	ASTM A536 65-45-12	
7	Hydrant Cap	ASTM A536 65-45-12	
8	4.5" Nozzle	C83600	AISI 420
9	4.5" Nozzle Cap	ASTM A536 65-45-12	
10	2.5" Nozzle	C83600	AISI 420
11	2.5" Nozzle Cap	ASTM A536 65-45-12	
12	Half Flange	ASTM A126 CLASS B	ASTM A536 65-45-12
13	Drain Valve	C83600	

14	O-Ring	NBR	EPDM
15	Stem Breaking Coupling	ASTM A126 CLASS B	ASTM A536 65-45-12
16	Drain Valve Seat	AISI 304+NBR	AISI 304+EPDM

4.0 Performance

4.1 Strength & Lifespan

Sealing Test: 600PSI;

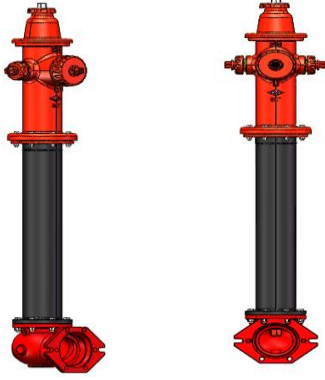
Shell Test: 600PSI;

Close clockwise and open counterclockwise

5.0 Reference

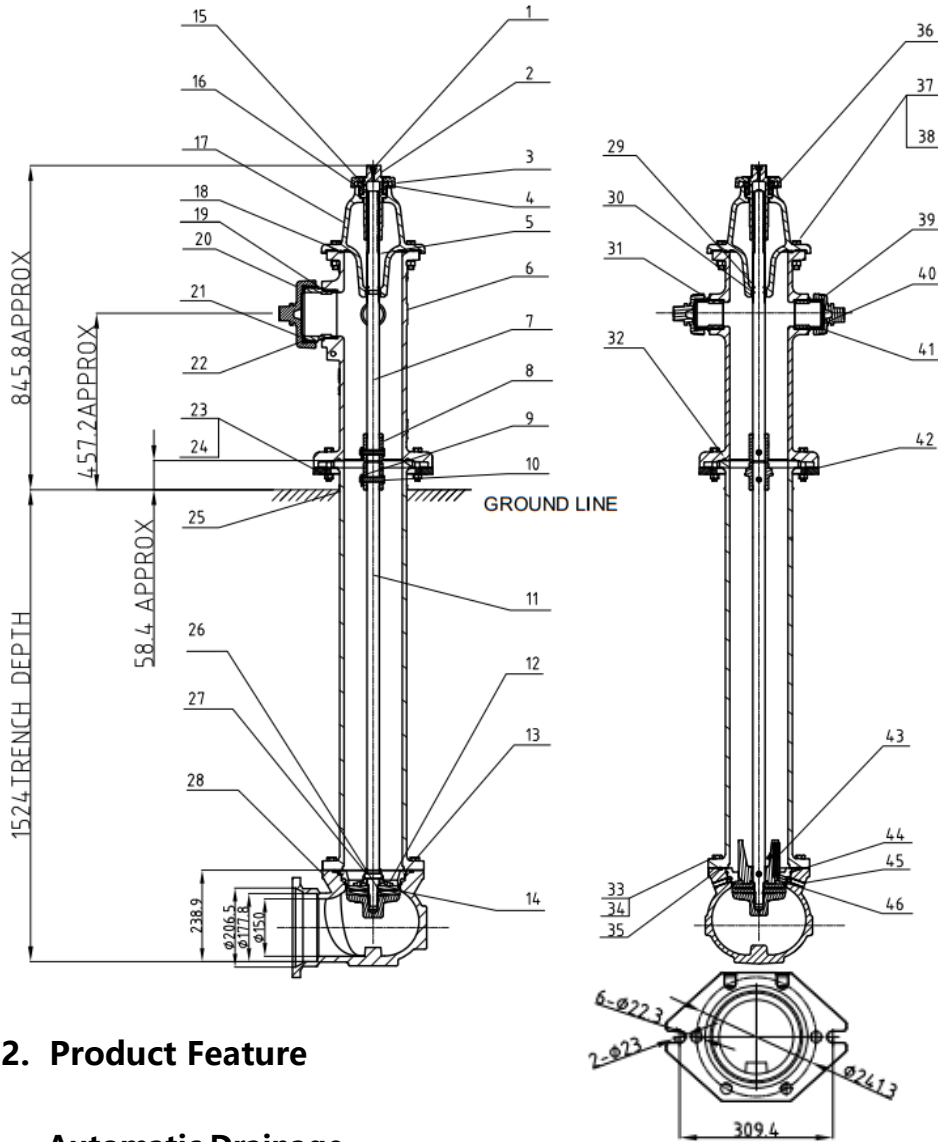
Certificate of Dry Barrel Fire Hydrant

Dry Barrel Fire Hydrant



Standard parameters	
Design Criterion	AWWA C502
Connection Standard	ANSI/AWWA C111/A21.11
Texture	ASTM A536,65-45-12
Surface Material	Epoxy Resin. Water Paint
Working Pressure	175PSI, 200PSI, 250PSI, 300PSI
Authentication	CUL, FM

1. Product Sketch



2. Product Feature

Automatic Drainage

- ◆ Automatic drainage of fire hydrants after the quick opening and closing device can ensure that the pipeline is not frozen when the outside temperature is low, and will not cause serious losses because of water stains.

Crashworthiness

- ◆ When the bolt body is impacted, the crack plate is broken and damaged first, and the bolt valve stops water without leakage.

Part	Material	
1	Nozzle	AISI 304
2	Stem Operating Nut	C95400
3	Weather Proof Cover	Ductile Iron
4	Lock Nut	C83600
5	Bushing	C83600
6	Upper Cylinder	Ductile Iron
7	Upper Shaft	Carbon Steel Galvanized
8	Couplings	Gray Iron
9	Cotter Pin	AISI 304
10	Flat Head Hinge Pin C/W Hole	AISI 304
11	Lower Shaft	Carbon Steel Galvanized
12	Drain Valve	C83600
13	External Valve Seat	C83600
14	Internal Valve Seat	C83600
15	O-Ring	VITON
16	O-ring	NBR
17	Cap	Ductile Iron
18	O-Ring	NBR
19	O-Ring	NBR
20	4.5" Nozzle Cap	Ductile Iron
21	4.5" Nozzle Cap Mat	EPDM
22	4.5" Nozzle	C83600
23	Bolt	Carbon Steel Galvanized
24	Nut	Carbon Steel Galvanized
25	Lower Tube	Ductile Iron
26	Base	Ductile Iron
27	Drain Valve Pin	AISI 304
28	Elbow	Ductile Iron
29	O-Ring	NBR
30	O-Ring	NBR
31	O-Ring	NBR
32	O-Ring	NBR
33	Bolt	AISI 304
34	Nut	AISI 304
35	O-Ring	NBR
36	Thrust Washer	PA66
37	Bolt	Carbon Steel Galvanized
38	Nut	Carbon Steel Galvanized
39	2.5" Nozzle Cap	Ductile Iron
40	2.5" Nozzle Cap Mat	EPDM
41	2.5" Nozzle Cap	C83600
42	Half Flange	Gray Iron
43	Drain Valve Seat	AISI 304+NBR
44	O-Ring	NBR
45	Drainage Pipe	C83600
46	O-Ring	NBR