FIRE HYDRANT

Models AG-MH-1510FA

Dry barrel hydrant



PRODUCT DESCRIPTION

The fire hydrant, will be a wet pillar linked to groundwater supply, by a shut-off valve. This hydrant meets all applicable parts of ANSI/AWWA C502 standard. Dry fire hydrants are used in places where there is danger of freezing atmospheres.

TECHNICAL DATA

Models	AG-MH-1510FA
Working pressure	250 psi (17 bar)
Working temperature	5ºC to 80ºC (De 42ºF a 176 ºF)
End connection	Inlet: Flanged 6”, ANSI B 16.5, Class 150 Hose outlet: 2 x NH 2 ½” according to NFPA1963 Pump outlet: 1 x NH 4 ½” according to NFPA1963 Standard
Finish	Epoxy painted red RAL 3000

MODELO	SALIDAS MANGUERA	SALIDAS BOMBERO	L (mm)
AG-MH-1510FA-1	2 x 2.5”	1 x 4.5”	1063
AG-MH-1510FA-2	2 x 2.5”	1 x 4.5”	1215
AG-MH-1510FA-3	2 x 2.5”	1 x 4.5”	1368
AG-MH-1510FA-4	2 x 2.5”	1 x 4.5”	1520
AG-MH-1510FA-5	2 x 2.5”	1 x 4.5”	1673
AG-MH-1510FA-6	2 x 2.5”	1 x 4.5”	1825
AG-MH-1510FA-7	2 x 2.5”	1 x 4.5”	1978
AG-MH-1510FA-8	2 x 2.5”	1 x 4.5”	2130

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INSTALLATION

Hydrants should be handled with care to avoid damage. It is recommended to keep hydrants closed until use.

If the hydrant is not to be used straight away then it is recommended to coat threads and other machined parts with an anti-rust oil and the hydrant should be stored in a dry and ventilated area. For long-term storage, the hydrant should be checked regularly.

Before installation of hydrants, the connection should be free from dirt or other matter.

The positioning of the hydrant should be in accordance with local requirements. Ideally the pumper should face the street and all connections should be away from any obstruction to connecting hoses.

The inlet elbow should be placed on a solid surface and if possible brace the side opposite the incoming flow to reduce reaction stresses.

The underground parts of the hydrant should be surrounded with coarse gravel for support and drainage.

After the hydrant has been installed and tested, it is recommended to fully flush the hydrant before closing for service. Before replacing the nozzle caps, it is recommended to check for correct drainage of the hydrant on closing of the valve. This can be achieved by placing a hand over the nozzle opening, a suction should be felt.

OPERATION

Unscrew the nozzle caps and connect hoses.

Open the hydrant using the hydrant key (included) to the fully open position by turning the valve nut in an anti-clockwise direction – do not force the hydrant to open further past the fully open position. Note that the hydrant valve is not intended to control the flow, it should be used in either the fully open or fully closed position.

To control flow, a pressure/flow control valve should be fitted to the nozzle outlets on the hydrant.

To close, turn the valve nut in a clockwise direction – again, do not over tighten.

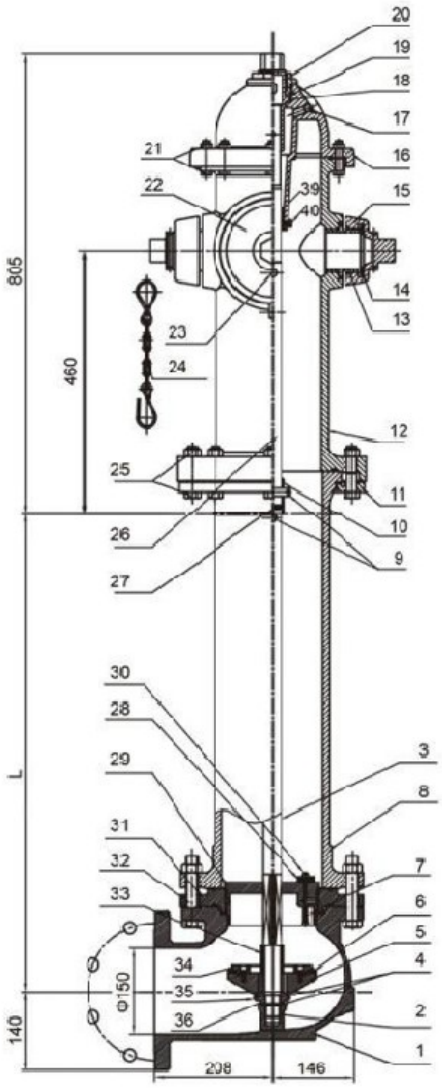
MAINTENANCE

Carry out a visual inspection for signs of significant corrosion which may impair performance.

Where possible, carry out leak tests by opening one of the nozzle caps slightly and then opening the hydrant valve. Once the air has escaped tighten the hose cap and check for leaks. Close hydrant and remove one nozzle cap so that the drainage can be checked. Flush the hydrant. Clean and lubricate all nozzle threads. Clean the exterior of the hydrant and repaint if required.

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COMPONENTS



#	NAME	MATERIAL	STANDARD
1	Flange connector	Ductile Iron	ASTM A536
2	Locking Nut	Ductile Iron	ASTM A536
3	Connecting Rod	Steel 1045	ASTM A29
4	Locking nut gasket	EPDM	ASTM D2000
5	Tray	Ductile Iron	ASTM A536
6	Sealed Rubber Sheet	EPDM	ASTM D2000
7	Drain hole spring	316 Stainless steel	ATM A240
8	Connecting cylinder	Ductile Iron	ASTM A536
9	Perforated cyl. pin	Steel 1045	ASTM A29
10	Connecting rod sleeve	Steel 1045	ASTM A29
11	Clamp connection tube	Ductile Iron	ASTM A536
12	Main body on ground	Ductile Iron	ASTM A536
13	65 connector	C95400	ASTM B148
14	65 cover gasket	EPDM	ASTM D2000
15	65 cover	Ductile Iron	ASTM A536
16	Upper end cover	Ductile Iron	ASTM A536
17	Thread plug	C95400	ASTM B148
18	Screw steam nut	C95400	ASTM B148
19	Screw nut gasket	C95400	ASTM B148
20	Screw nut seat	C95400	ASTM B148
21	Bolt, nut	Steel 1035	ASTM A29
22	100 cover	Ductile Iron	ASTM A536
23	Cylindrical pin	Steel 1045	ASTM A29
24	Cover chain	Gr.B	ASTM A283-B
25	Bolt, nut	Steel 1035	ASTM A29
26	Screw steam	Steel 1045	ASTM A29
27	Cushion rubber	EPDM	ASTM D2000
28	Drain hole cover	C95400 + EPDM	ASTM B148+D2000
29	Seat	C95400	ASTM B148
30	Bolt, nut	316 Stainless steel	ATM A240
31	Seat fixing plate	Ductile Iron	ASTM A536
32	Bolt, nut	Steel 1035	ASTM A29
33	Annular tuber	Steel 1045	ASTM A29
34	Platen	Ductile Iron	ASTM A536
35	Locking nut seat	Ductile Iron	ASTM A536
36	Check turn gasket	Gr.B	ASTM A283-B
37	100 connector	C95400	ASTM B148
38	100 cover gasket	EPDM	ASTM D2000
39	Screw stem bushing	316 Stainless steel	ATM A240
40	Bolt	316 Stainless steel	ATM A240

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ORDERING INFORMATION

LENGTH	CODE
1063 mm	AG-MH-1510FA-1
1215 mm	AG-MH-1510FA-2
1368 mm	AG-MH-1510FA-3
1520 mm	AG-MH-1510FA-4
1673 mm	AG-MH-1510FA-5
1825 mm	AG-MH-1510FA-6
1978 mm	AG-MH-1510FA-7
2130 mm	AG-MH-1510FA-8

Specify:

Model	
Quantity	
Superior connection	

The equipment presented in this bulletin is to be installed in accordance with the latest published Standard of the National Fire Protection Association, Factory Mutual Research Corporation, or other similar organizations and also with the provisions of governmental codes or ordinances whenever applicable.
This documentation is not contractual. AG Fire Sprinkler reserves the right to any kind of change without notice.

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