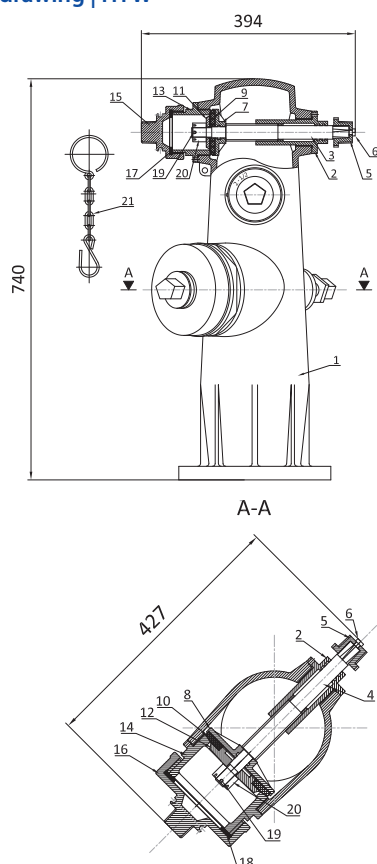


Control Valves & Devices | Hydrants & Riser Equipment | Fire Hydrant | HYW Wet Barrel Fire Hydrant



Approvals	 
Maximum working pressure	17.2 bar (250 psi)
Maximum working temperature	4 °C to 80 °C
Connections	6"/DN150 Flanged (ANSI #150/ PN16)
Weight	66 kg
Outlets	• 1 x Pumper Outlet : 4-1/2" NH thread • 2 x Hose Outlet : 2-1/2" NH thread
Material (body)	Ductile iron
Finish	Exterior: Primer plus red epoxy Interior: Primer coat
Specification	Conforms to ANSI / AWWA C503
Part Numbers	HYW-P (PN16) HYW-A (ANSI)
Note: Each hydrant is supplied with a hydrant wrench	

Dimensional drawing | HYW



Parts and materials | HYW

Item No.	Description	Material	Specification
1	Body	Ductile Iron	ASTM A536
2	Nut	C95400	ASTM B148
3	2.5" bolt	SS30400 / C95400	ASTM A240 / ASTM B148
4	4.5" bolt	SS30400 / C95400	ASTM A240 / ASTM B148
5	Stem cap	Ductile Iron	ASTM A536
6	Bolt	SS30400	ASTM A240
7	2.5" retaining plate	Ductile Iron / SS30400 / C95400	ASTM A536 / ASTM A240 / ASTM B148
8	4.5" retaining plate	Ductile Iron / SS30400 / C95400	ASTM A536 / ASTM A240 / ASTM B148
9	2.5" gasket	EPDM	ASTM D2000
10	4.5" gasket	EPDM	ASTM D2000
11	2.5" retaining Plate	Ductile Iron / SS30400 / C95400	ASTM A536 / ASTM A240 / ASTM B148
12	4.5" retaining Plate	Ductile Iron / SS30400 / C95400	ASTM A536 / ASTM A240 / ASTM B148
13	2.5" outlet	C95400	ASTM B148
14	4.5" outlet	C95400	ASTM B148
15	2.5" outlet cover	Ductile Iron	ASTM A536
16	4.5" outlet cover	Ductile Iron	ASTM A536
17	2.5" cover gasket	EPDM	ASTM D2000
18	4.5" cover gasket	EPDM	ASTM D2000
19	Cotter pin	SS30400	ASTM A240
20	Slotted nut	SS30400	ASTM A240
21	Cover chain	Gr. B	ASTM A283-B

Note: This document contains basic product information only. Information, photos and drawings are not contractually binding. In all cases, the manufacturer's full technical documentation remains the reference document. Note that certificates, test reports and approvals may be published in the OEM name. The contents of this publication are subject to modifications without notice. All rights reserved

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Control Valves & Devices | Hydrants & Riser Equipment | Fire Hydrant | HYW Wet Barrel Fire Hydrant

Installation, operation & maintenance | HYW

Installation

1. Hydrants should be handled with care to avoid damage. It is recommended to keep hydrants closed until use.
2. 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 indoor area. For long-term storage, the hydrant should be checked regularly.
3. Before installation of hydrants, the connection should be free from dirt or other matter.
4. 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.
5. After the hydrant has been installed and tested, it is recommended to fully flush the hydrant before closing for service.

Operation

1. Verify that all of the hydrant outlets are fully closed.
2. Remove the desired outlet Hose Cap, or Pumper Cap, using the supplied hydrant wrench.
3. Connect the hose(s) to the hydrant. Slowly open the desired outlet by turning the corresponding valve nut (on the opposite side of the hydrant to the outlet) in an anti-clockwise direction, using the supplied hydrant wrench.
4. Turn the stem in the clockwise direction to close the desired valve and shut water flow off.
5. After the hydrant valves have been closed, carefully remove the hose or apparatus and visually verify that the hydrant valve is fully closed and no debris is preventing full valve closure.
6. Replace the Hose or Pumper Cap using the hydrant wrench.

Maintenance

1. With caps removed, visually inspect hydrant inlet flange joint, outlet nozzles, valve seats, and stem inserts for leaks. If leaks are present, attempt to correct the leak by tightening the component. If the leak is not resolved, mark the hydrant for follow-up repairs.
2. Inspect cap chains and cap rings for binding. Cap rings should rotate freely.
3. Clean and lubricate all nozzle threads.
4. Clean the exterior of the hydrant and repaint if required.
5. Close auxiliary valve to isolate hydrant.
6. With hydrant isolated from line pressure, fully open and close each valve two times, or until valve stem moves freely. The valve stem and mating components are made of corrosion resistant material. Some hard water conditions will cause deposits to accumulate. Exercising the stem will clear the deposit.
7. Visually inspect the valve disc from the outlet nozzle opening. If damage has occurred to the disc or excessive indentation is observed, mark hydrant for follow-up repairs.
8. Close all hydrant valves, leaving the top outlet valve slightly open to allow air to vent when water is restored to the hydrant.
9. Slowly open the main supply control valve.
10. When all air has evacuated the hydrant (evidenced by water coming out of the outlet nozzle), close the hydrant outlet valve.
11. Attach a short length of hose to allow water to run onto the street, or attach a diffuser nozzle. Operate hydrant valve through one full cycle. Repeat for each outlet nozzle. Use caution to avoid soil erosion.
12. Close each valve and tighten each nozzle cap so that the caps may not be removed by hand.
13. Ensure the auxiliary valve is fully opened.
14. Return hydrant to service.

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