INSTALL GUIDE & SPECIFICATION SHEET

Aquor® Ground Hydrant

IN-GROUND YARD HYDRANT SYSTEM

FLUSH MOUNT | SELF-DRAINING | FREEZE-PROOF

aquor water systems

HYDROFLOW
LEADING WITH KNOWLEDGE

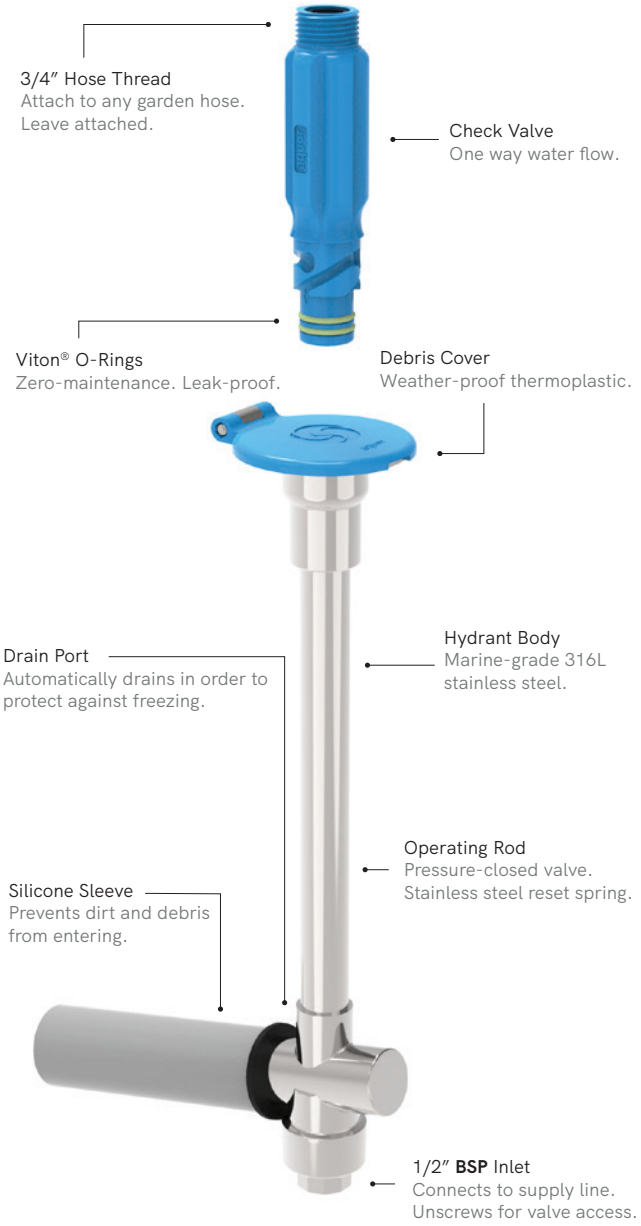
GROUND HYDRANT

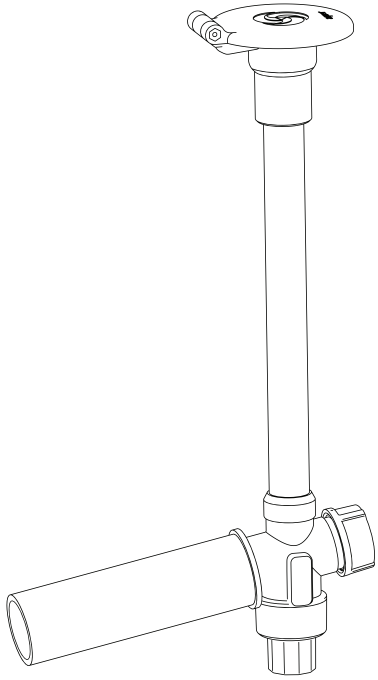
The Aquor® Ground Hydrant is a freeze-proof yard hydrant. Easy to install, bury it or install at waist height.

The hydrant will self-drain when disconnecting to protect against freezing and will self-clean so no maintenance is required.

FEATURES & BENEFITS

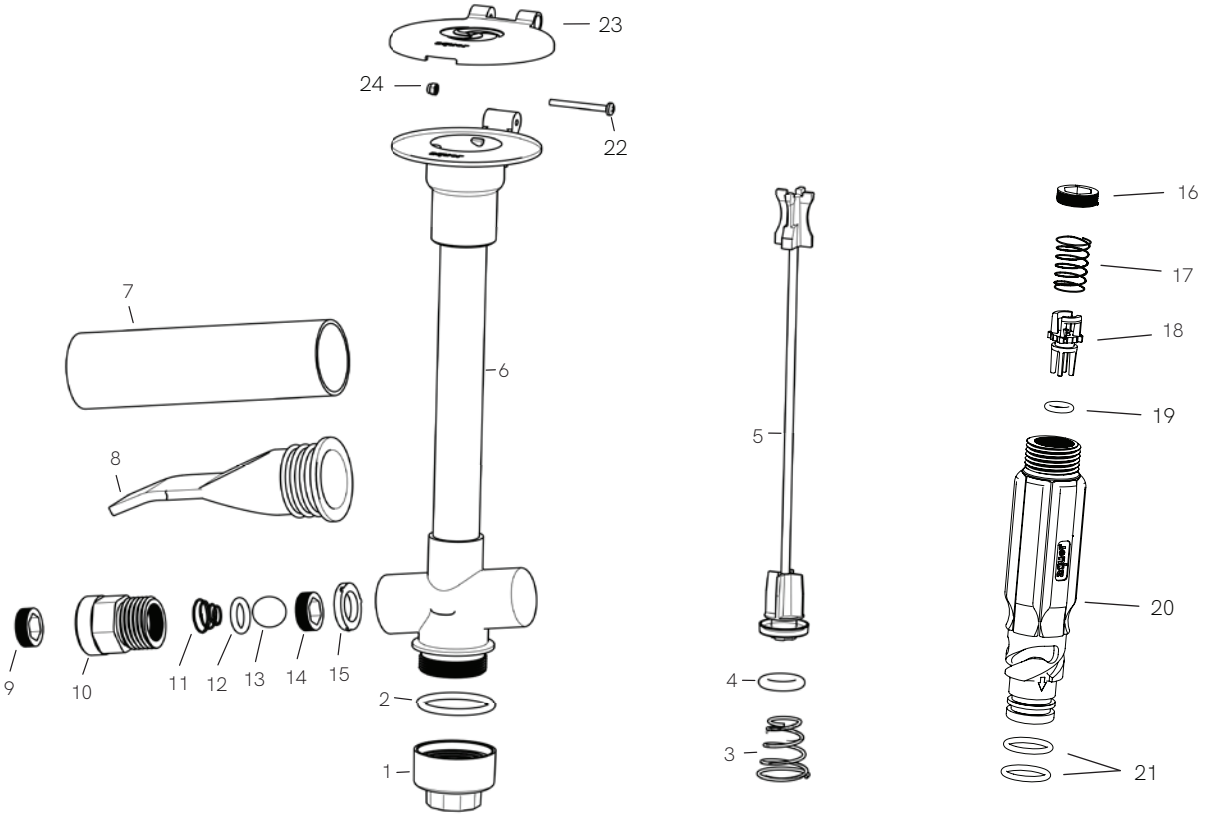
- Flush-mounted design with twist lock connection system.
- Easy to install at any height, recessed, flush with the ground, or waist level.
- 100% frost-free, leak-free, and lead-free.
- Instant access under full water pressure.
- Hydrants self-drain providing complete freeze protection all winter long.
- High quality marine-grade 316L stainless steel and Delrin® acetal resin are durable and long-lasting.
- Hose connector contains integral check valve for backflow protection.
- Self-cleaning outlet requires no regular maintenance.
- Protects against water theft.





TECHNICAL SPECS

Inlet	1/2 ″ BSP
Outlet	3/4″ Garden Hose Thread
Weight	1.4kg
Operating Temperature	0-60°C
Operating Water Pressure	172-860 kPa
Hydrant Material	Stainless Steel
Connector Material	Acetal Resin
Cover Material	ASA Thermoplastic
O-Ring Material	Fluorocarbon Rubber
Warranty	10YR Stainless, 5YR Polymer
SKU	UGH-SERIES



HYDRANT

1. Rear Valve Housing (inlet)
2. Hydrant Body O-Ring
3. Valve Spring
4. Inner Valve O-Ring
5. Operating Rod
6. Hydrant Body
7. PVC Protective Sleeve
8. Silicone Flapper Valve
9. Check Valve Retainer
10. Check Valve Housing
11. Check Valve Release Spring
12. Check Valve O-Ring
13. Check Valve
14. Check Valve Screen
15. Check Valve Housing Washer

HOSE CONNECTOR

16. Check Valve Retainer
17. Check Valve Spring
18. Connector Check Valve
19. Check Valve O-Ring
20. Connector Body
21. Connector O-Rings

DEBRIS COVER

22. Debris Cover Bolt
23. Debris Cover
24. Debris Cover Nut

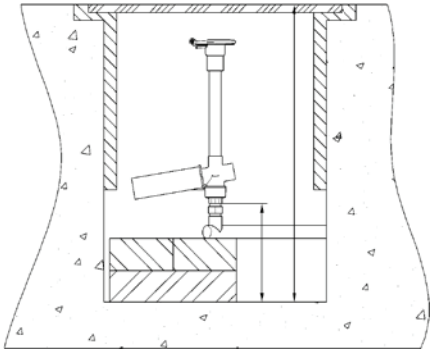
INSTALLATION

Before installation, decide on a location for the hydrant and be sure to decide how deep you want the hydrant.

1. DIG A HOLE

Dig a hole for the hydrant approximately 60cm in diameter and 30cm deeper than the bury depth. For additional protection and/or concealment, you can install an in-ground valve box or pull box to surround the hydrant.

Note: The valve at the bottom of the hydrant must be buried below the frost line. This ensures proper drainage so the hydrant does not freeze.

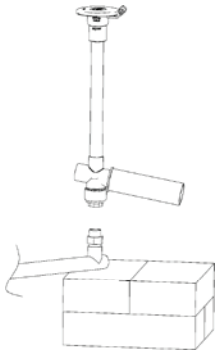


2. FLUSH THE PIPES

Flush the piping in your water supply before connecting the hydrant to clear any debris that may have collected during the installation and assembly. Debris in the water supply can cause a jam in the hydrant's closing mechanism.

3. CONNECT THE HYDRANT

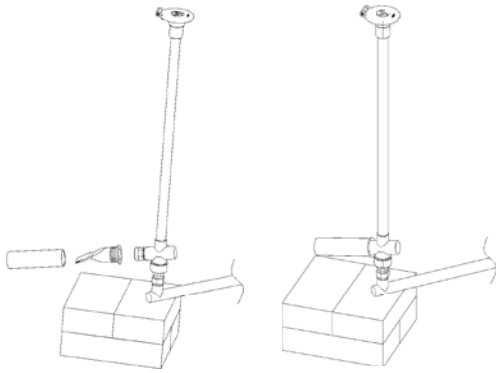
Connect the hydrant to the water supply, but do not bury the hydrant yet. Place the hydrant on top of a cinder block or other heavy, flat object for support to prevent damage to the supply line and the hydrant.



Note: Make sure to connect a garden hose to the Aquor® hose connector BEFORE connecting the hydrant. Water will start flowing instantly.

4. TURN ON THE WATER

Turn on the water supply and test the hydrant to ensure it is operating correctly. Attach the included Aquor® hose connector to a garden hose, then plug into the hydrant.

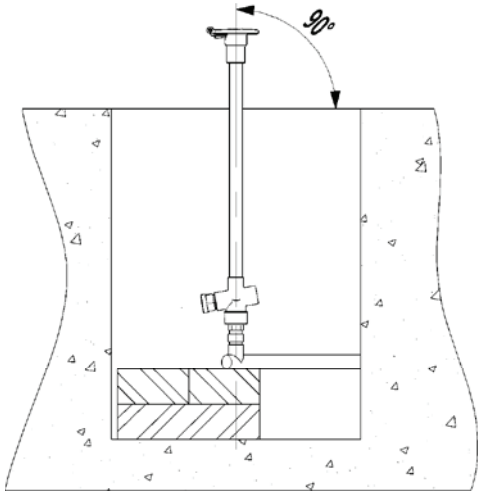


5. CHECK THE VALVE

Check to make sure the hydrant's drainage valve is clear of obstruction. The silicone flapper valve is designed to drain excess water while preventing bugs and debris from entering the valve. The PVC sleeve protects the silicone flapper valve from damage.

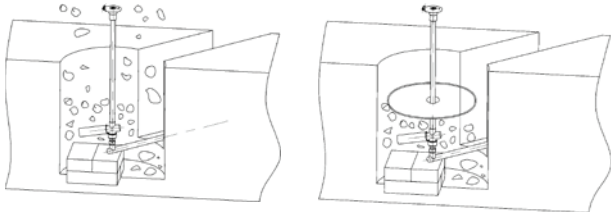
Ensure the hydrant drains properly before burying.

Ensure the hydrant is installed level, perpendicular to the ground surface.



6. FILL THE HOLE

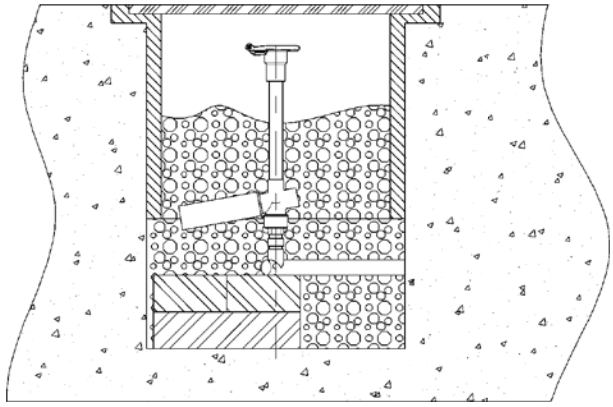
Fill the hole around and below the hydrant with medium-size gravel or drain rock. This provides a drain field for the hydrant. Without a proper drain field, the hydrant may not empty itself, and will be susceptible to freezing.



Optional: Layer a suitable plastic sheeting or landscaping fabric halfway through filling. This can help prevent soil or fine sand from settling and filling the drain field.

7. TEST THE HYDRANT

Test hydrant operation again go ensure everything is installed properly and functioning correctly.

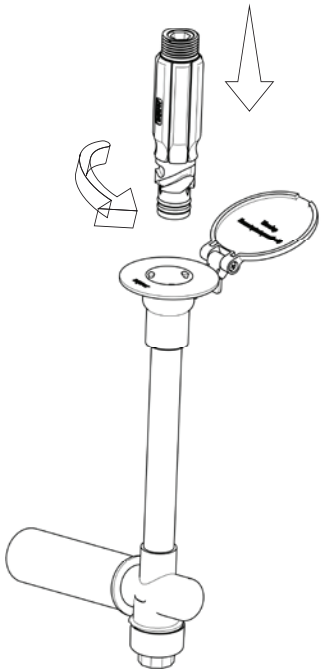


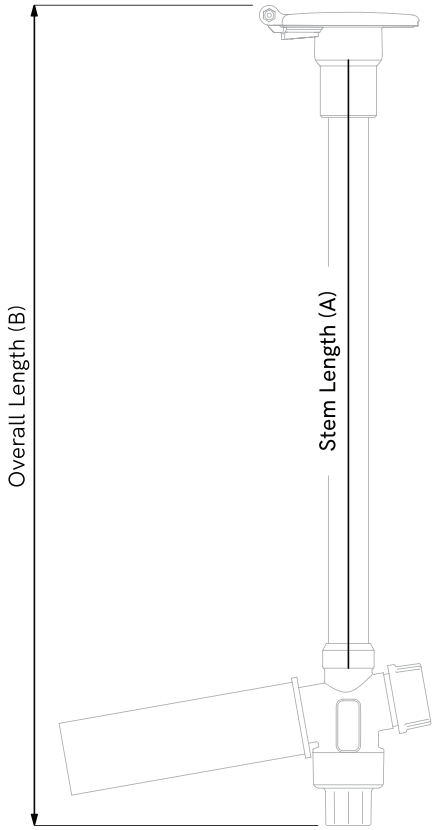
OPERATION

Firmly attach the Aquor® connector to a garden hose, using teflon tape if needed.

Connect: To connect to the hydrant, line up the 3 grooves on the connector then simultaneously push and twist clockwise into the outlet. Position your wrist as if you are about to wring out a towel, and complete the action in one smooth motion. Water flow will start instantly.

Disconnect: Perform the reverse motion to disconnect. Water will shut off instantly, and self-drain through the drain port.



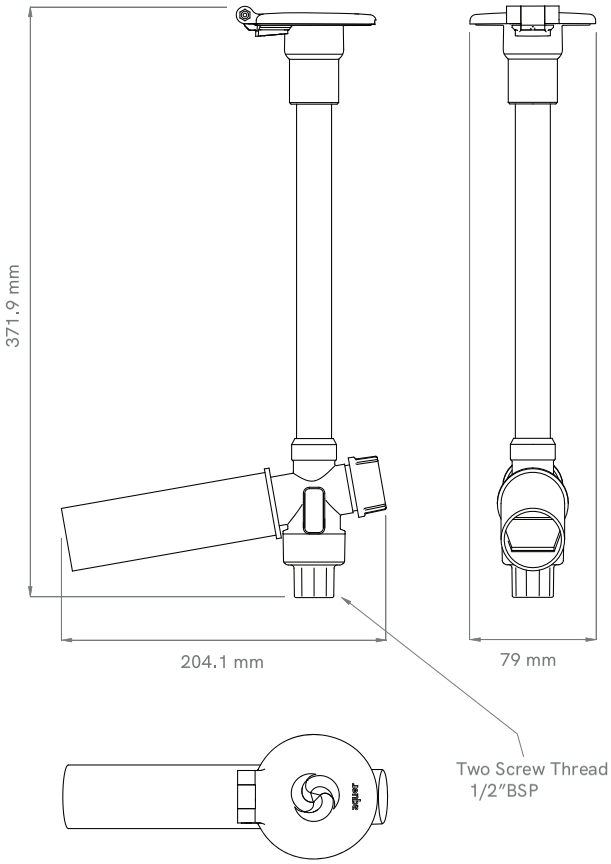


SKU	Stem Length (A)	Overall Length (B)
AQUGH12	12″ Hydrant	358 mm
*UGH18	18″ Hydrant	508 mm
*UGH24	24″ Hydrant	662 mm
*UGH36	36″ Hydrant	966 mm
*UGH48	48″ Hydrant	1271 mm

* Non Stock items - please inquire for availability

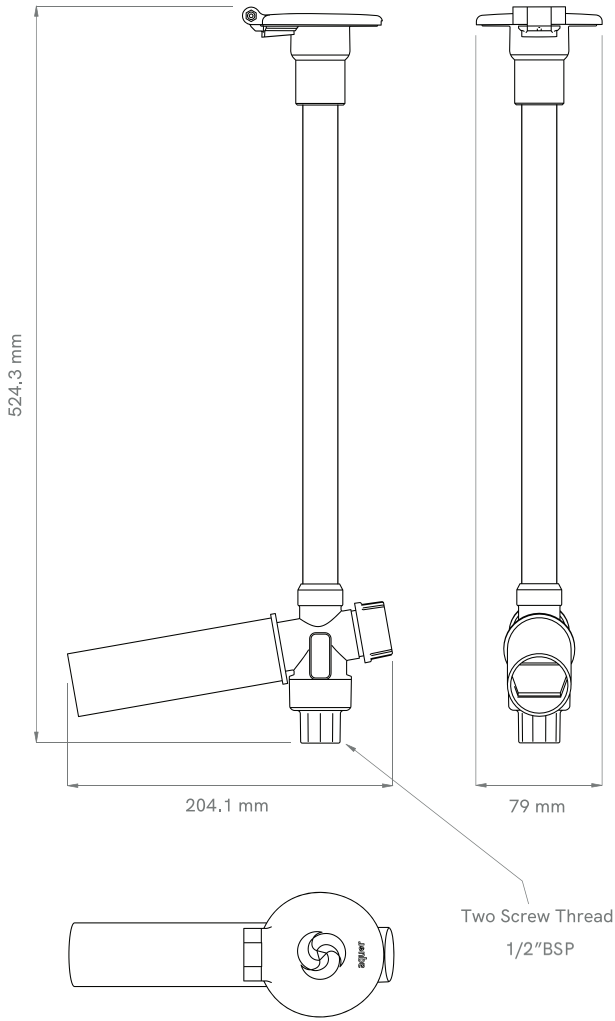
AQUGH12

12″ Ground Hydrant

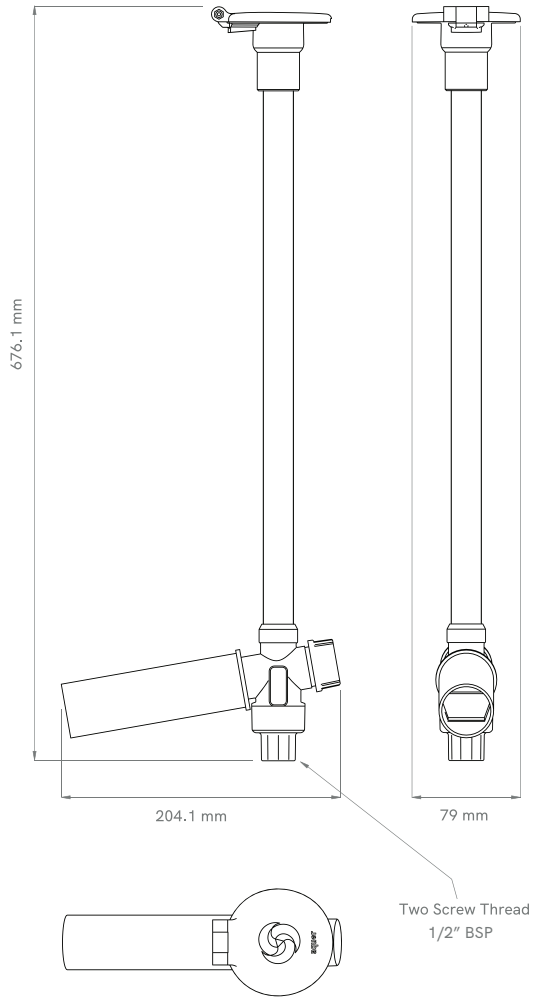


UGH18

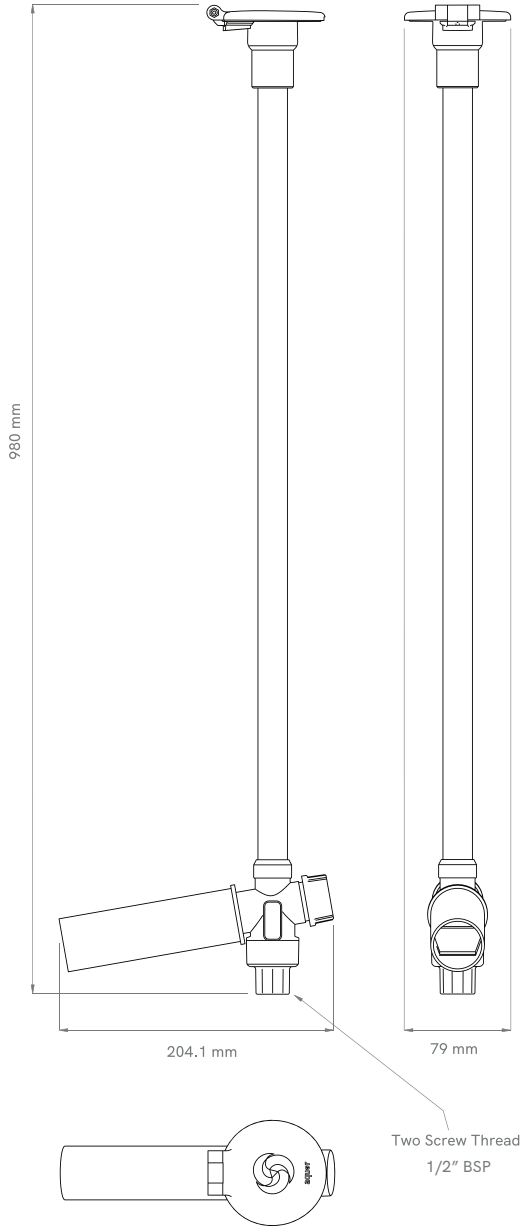
18″ Ground Hydrant



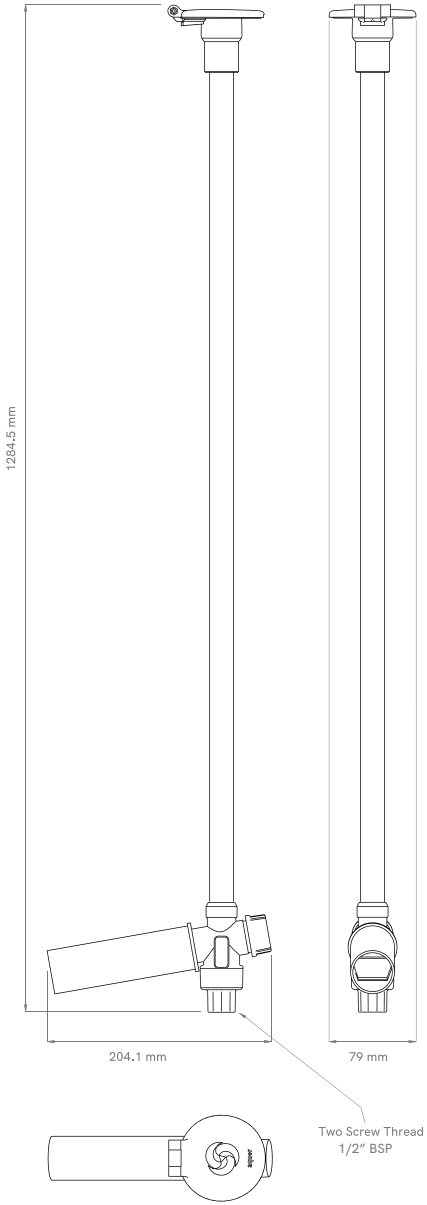
24″ Ground Hydrant



36″ Ground Hydrant



48″ Ground Hydrant



WARRANTY

We stand behind every product we sell, and support our customers even further. If you ever have an issue, contact us and we will make it right.

Aquor offers a 10 year warranty on all stainless steel components, and 5 years on all polymer components.

aquor
water systems

HYDROFLOW

www.hydroflow.co.nz