

Aquor® Wall Hydrant V1+

IN-WALL OUTDOOR FAUCET SYSTEM

FLUSH-MOUNT | ANTI-SIPHON | QUICK-CONNECT | SELF-DRAINING | NON-FREEZE



aquor
water systems



AQUOR® WALL HYDRANT V1+

HHP-SERIES



AQUOR® HOUSE HYDRANT V1: WALL HYDRANT / FREEZELESS SILLCOCK

Freezeless quick-connect sillcock for exterior building walls.

Instant Water Access

Less than a second to connect. Garden hoses can be quickly engaged under full pressure, hassle-free. Water flow starts instantly.

No Leaks, No Maintenance

The pressure-closed valve minimizes wear and cannot be overtightened, for an extremely long lifespan even with frequent use.

Sub-Zero Freeze Protection

Just unplug and go. The stainless steel body provides significantly more freeze protection than traditional brass frost-free sillcocks.

Low-Profile Design

Sits flush against the wall for a sleek appearance. Saves valuable inches on walkways and tight spaces, and prevents snagging hazards.

Marine-Proven Reliability

An industrial-use connection system backed with over 15 years of testing and development for harsh marine environments.

Heavy-Duty Hose Connector

Durable, wear-resistant, and crushproof, the commercial-grade hose connector attaches to any standard garden hose.

100% Lead-Free Stainless Steel

Our marine-grade, low-carbon stainless steel is vacuum-cast for maximum strength and durability. Absolutely zero lead is used.

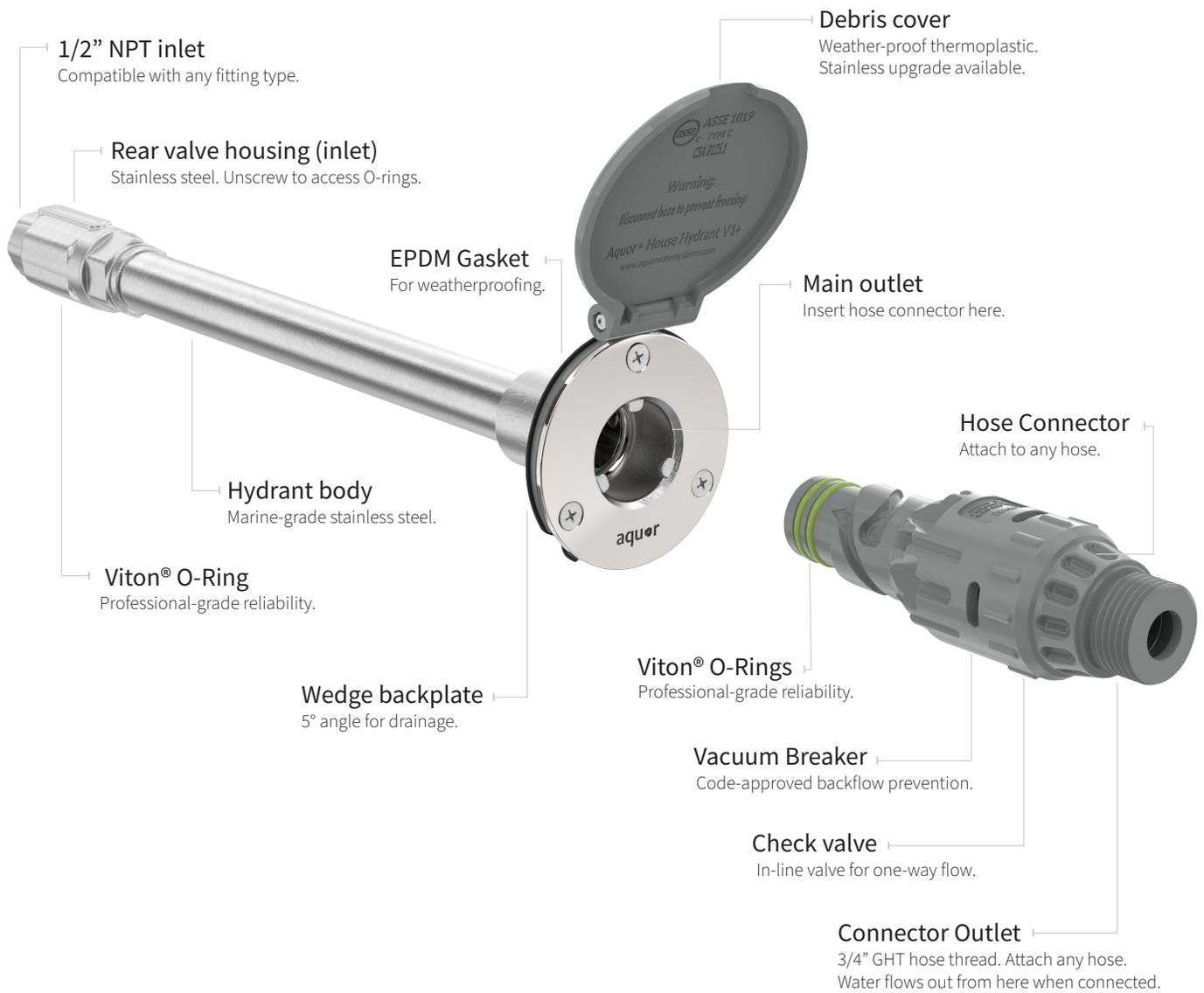
High-Performance O-Rings

Viton® O-rings are renowned for their long lifespans and wear resistance.



AQUOR® WALL HYDRANT V1+

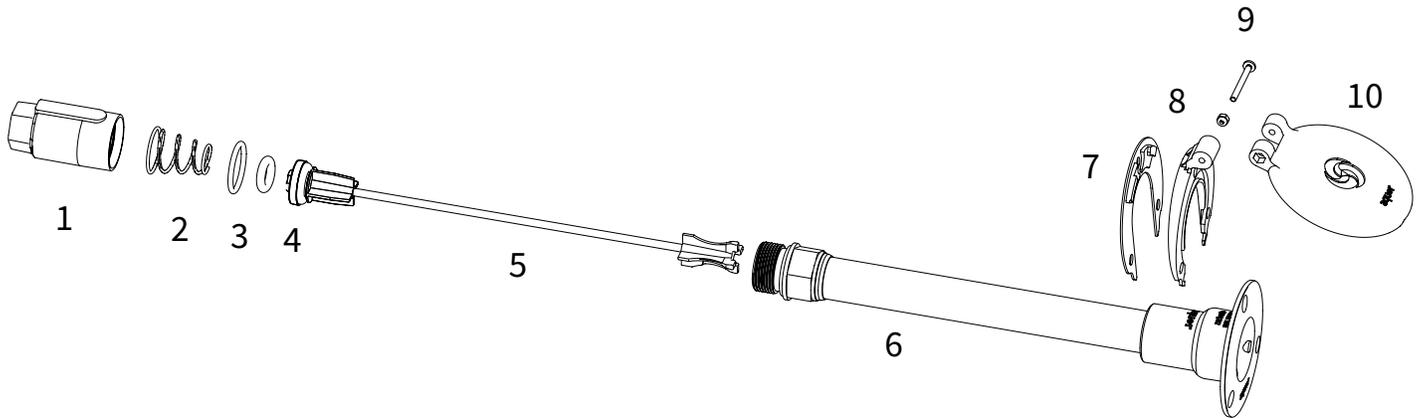
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Hydrant Parts Breakdown & Descriptions



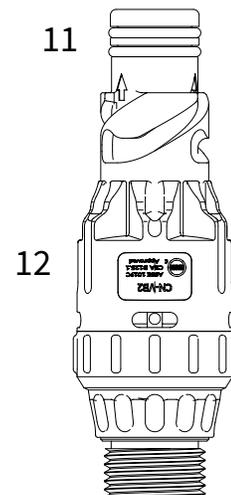
Need parts?

Spare and replacement parts are readily available for every product we make.

contact@aquorwatersystems.com

PART DESCRIPTIONS

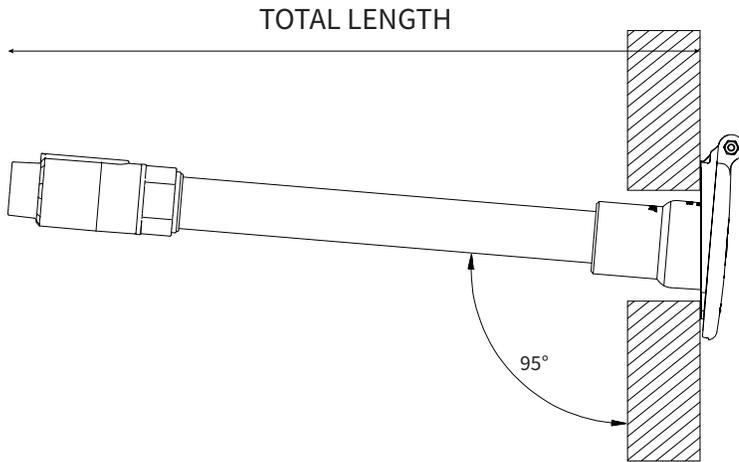
- | | | | |
|-----|----------------------------|-----|------------------------|
| 1. | Rear Valve Housing (inlet) | 11. | Hose Connector O-Rings |
| 2. | Valve Return Spring | 12. | CN-VB2 Hose Connector |
| 3. | Hydrant Body O-Ring | | |
| 4. | Main Valve O-Ring | | |
| 5. | Operating Rod | | |
| 6. | Hydrant Body | | |
| 7. | Debris Cover Gasket | | |
| 8. | Wedge Backplate | | |
| 9. | Debris Cover Nut & Bolt | | |
| 10. | Debris Cover | | |



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FREEZELESS OUTDOOR FAUCET SYSTEM



Flush-mounted freezeless wall hydrant with quick-coupling connection system.

- Allows user to access water instantly by connecting under full water pressure.
- Robust O-ring connection system ensures a reliable leak-proof seal, even at high water pressures.
- Stainless steel operating rod and pressure-closed valve provide zero-maintenance reliability for years.
- Hydrant automatically self-drains upon disconnection to provide freeze protection.
- Hydrant comes standard with 1/2" female NPT inlet. Rotatable 90° elbow and other inlets available.
- Each hydrant kit includes polymer hose connector with 3/4" GHT threading.
- Any 3/4" accessory (eg. water timers, splitters, regulators) can be attached to end of hose connector.
- Hose connector contains integral check valve for additional backflow protection.

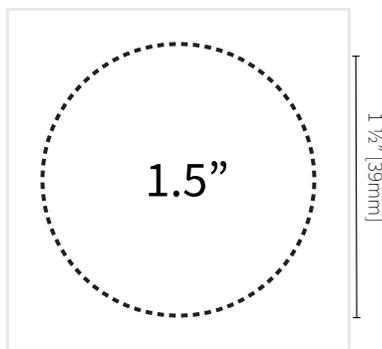
Caution: Hydrant can only provide freeze protection when disconnected and allowed to drain.

This ASSE 1019 device is intended for irrigation use and outdoor watering and shall not be subjected to more than (12) hours of continuous water pressure as directed by ASSE code requirements.

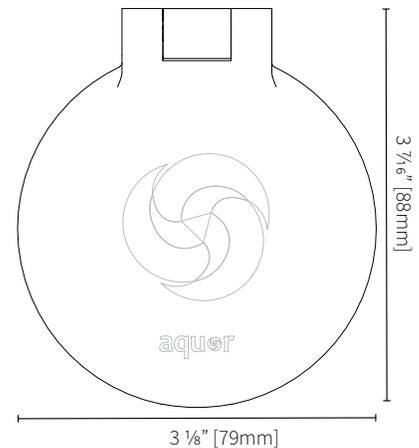
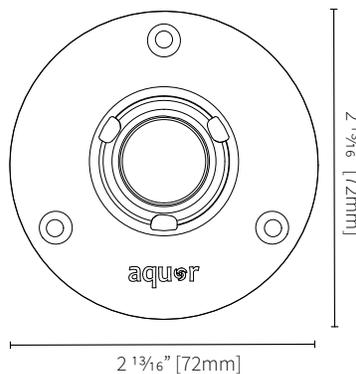
MODEL	DESIGNATION	OVERALL LENGTH
HHP002	Close-Couple V1+	3 5/8" 92mm
HHP004	4" Hydrant V1+	5 3/4" 138mm
HHP006	6" Hydrant V1+	7 3/4" 188mm
HHP008	8" Hydrant V1+	9 3/4" 237mm
HHP010	10" Hydrant V1+	11 3/4" 287mm
HHP012	12" Hydrant V1+	13 3/4" 337mm

• Note: optional 90° elbow inlet reduces total length by 1/2" [13mm]

- Inlet/Outlet: 1/2" NPT, 3/4" GHT
- Flow rate: 6.8 GPM @ 52 PSI
- Operating water pressure: 25 - 125 PSI
- Operating temperature range: 33° - 140° F
- Warranty: 10-year stainless components, 5-year polymer
- Certification: ASSE 1019C, ASME A112.18.1, CSA B125.1



Use 1-1/2" drill bit for entry hole. Template included in hydrant box.

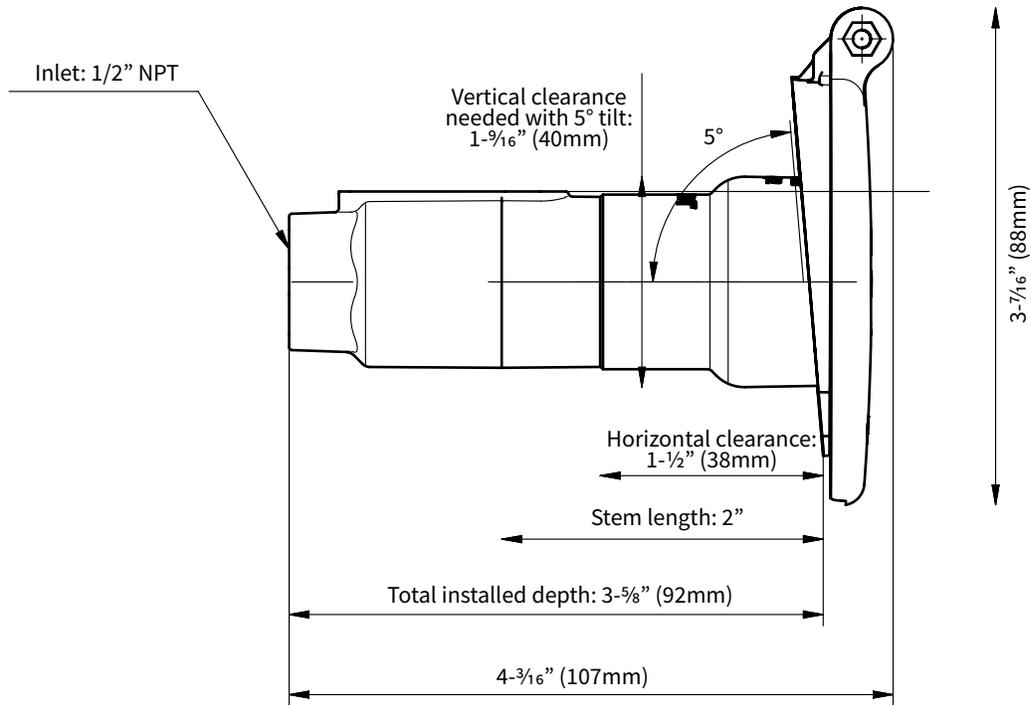


AQUOR® WALL HYDRANT V1+

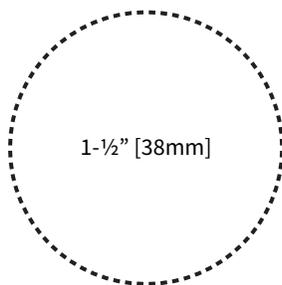
HHP-SERIES

HHP-002

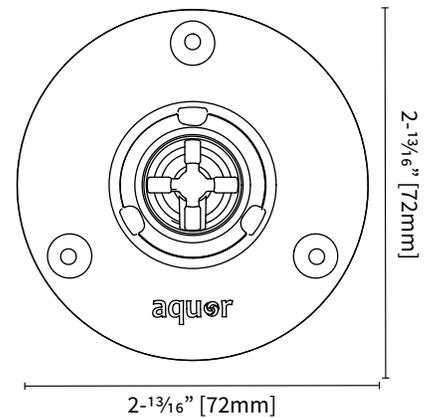
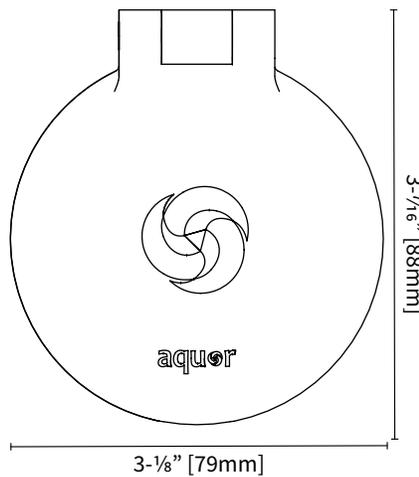
CLOSE-COUPLE HYDRANT V1+



Use #10 SS screws for mounting



Using a 1.5" hole saw is suggested.

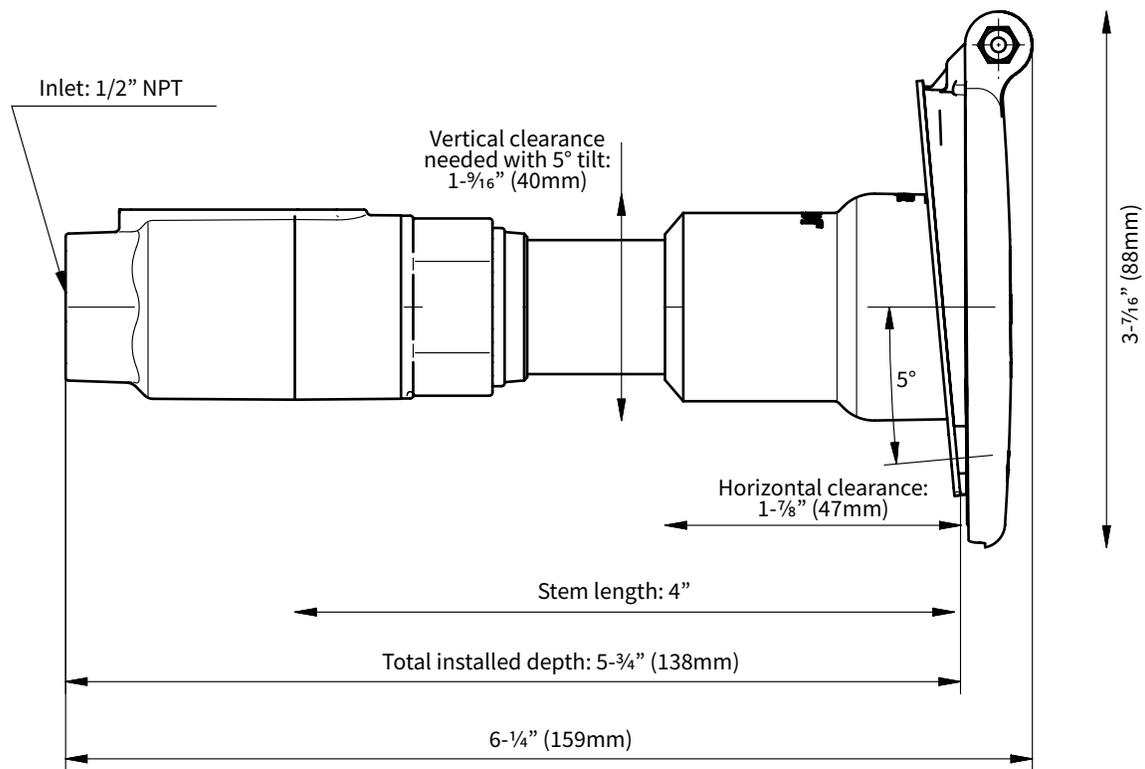


AQUOR® WALL HYDRANT V1+

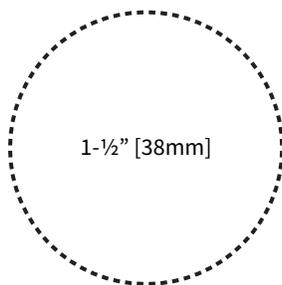
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HHP-004

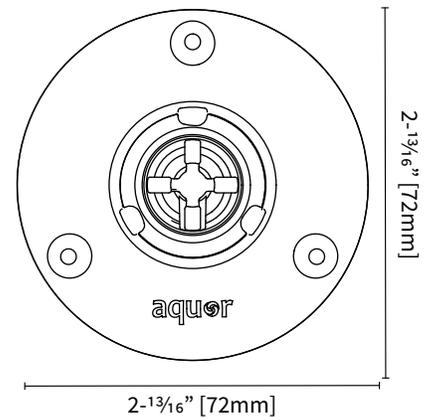
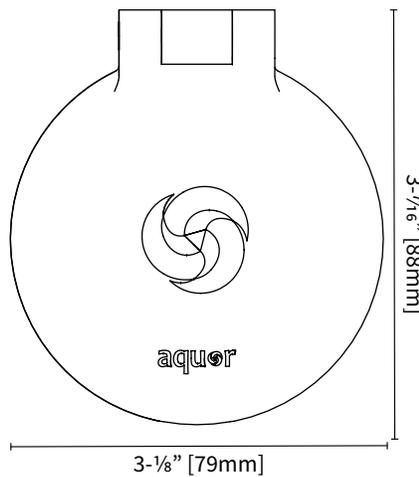
4" HYDRANT V1+



Use #10 SS screws for mounting



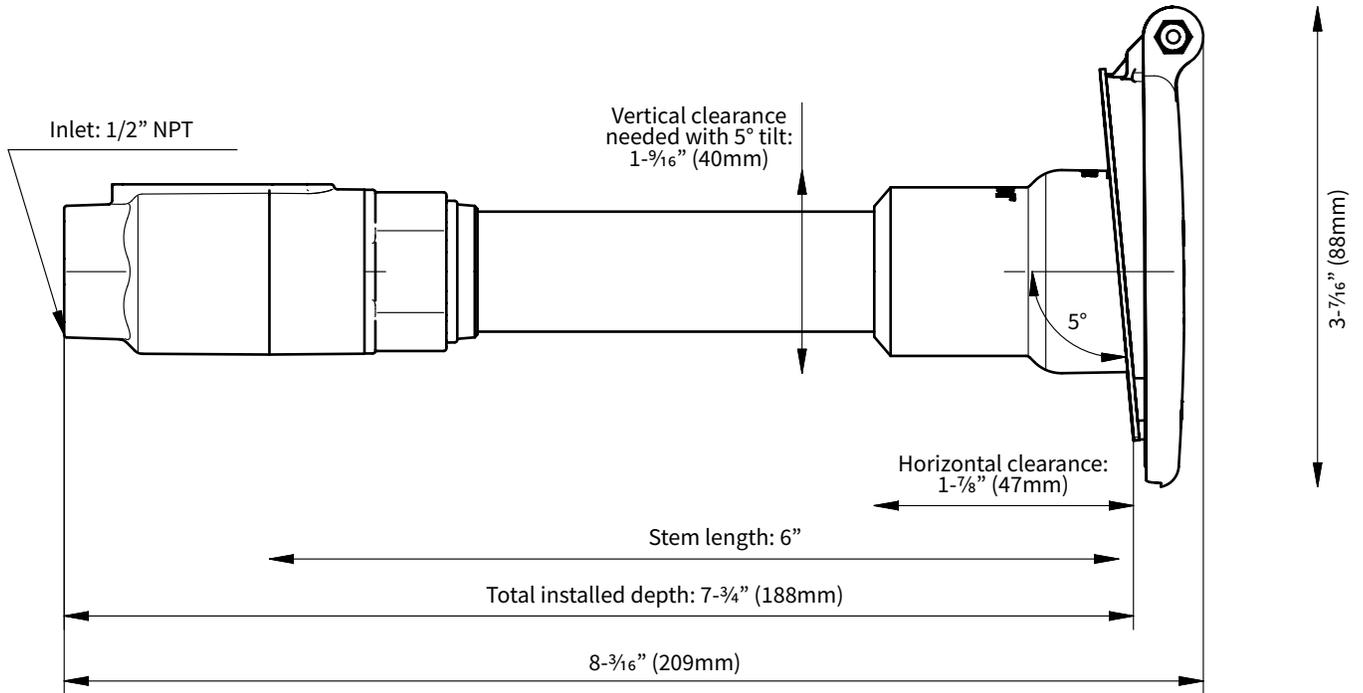
Using a 1.5" hole saw is suggested.



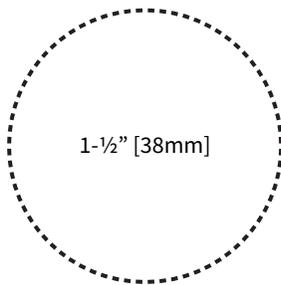
AQUOR® WALL HYDRANT V1+

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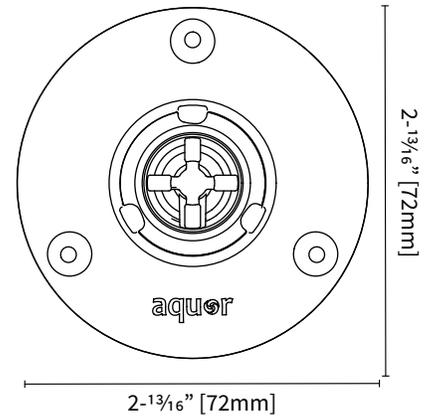
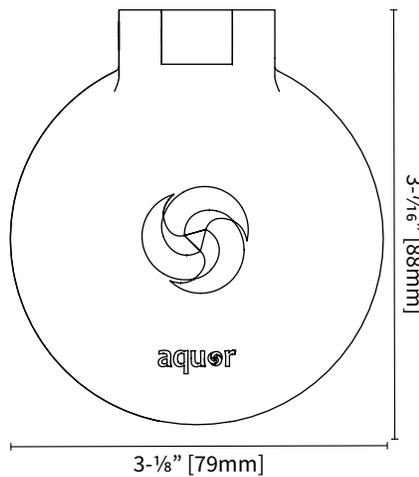
HHP-006 6" HYDRANT V1+



Use #10 SS screws for mounting



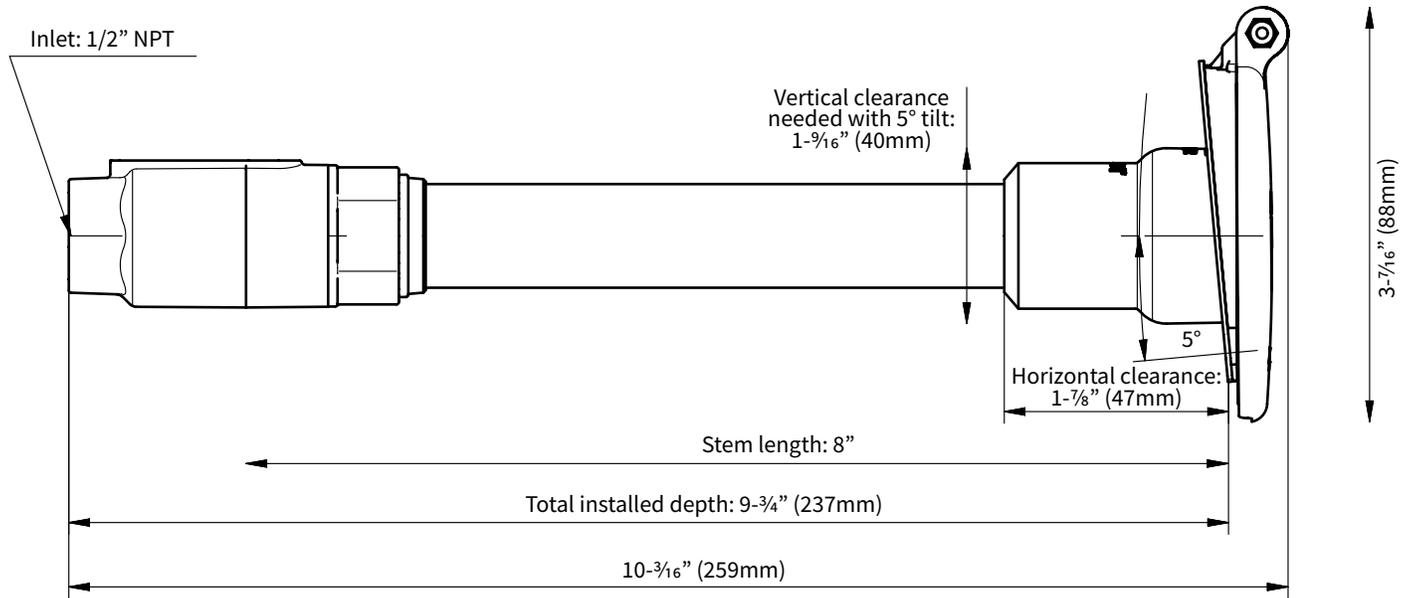
Using a 1.5" hole saw is suggested.



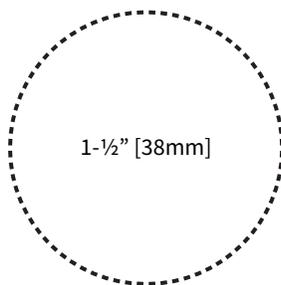
AQUOR® WALL HYDRANT V1+

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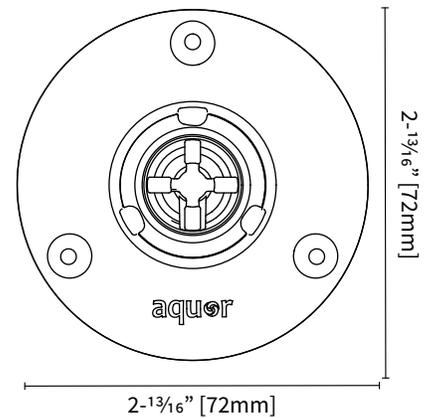
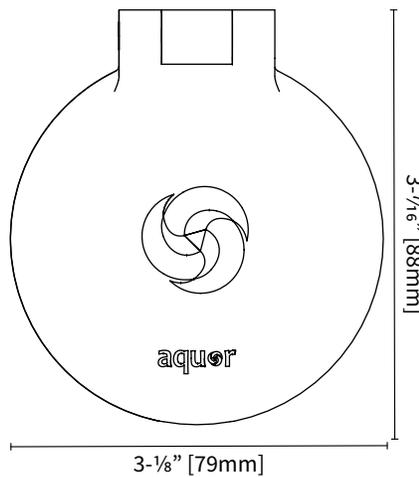
HHP-008 8" HYDRANT V1+



Use #10 SS screws for mounting



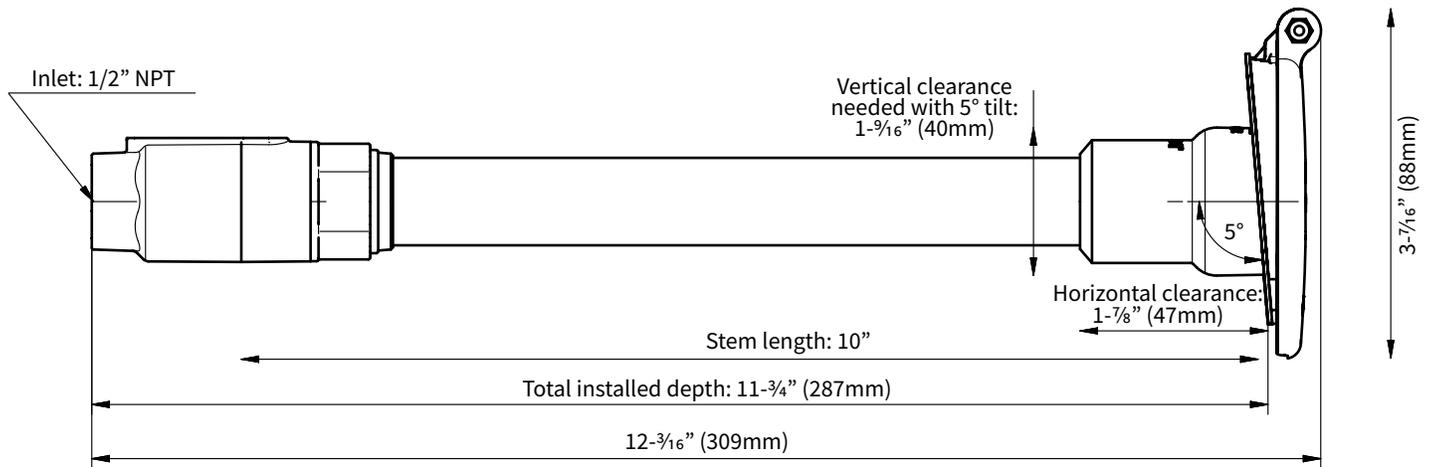
Using a 1.5" hole saw is suggested.



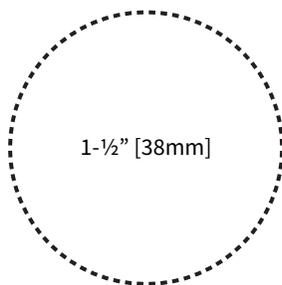
AQUOR® WALL HYDRANT V1+

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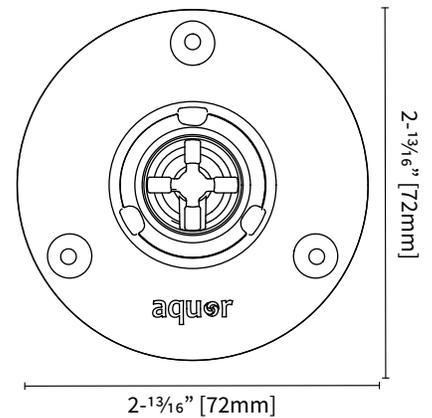
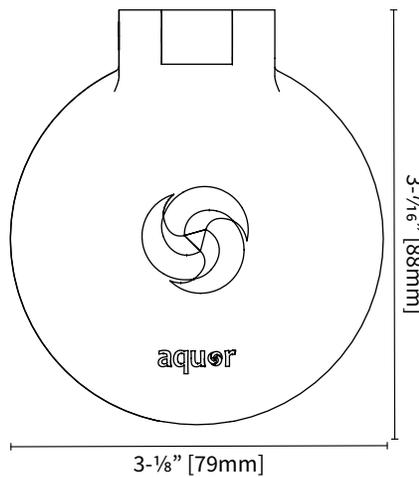
HHP-010 10" HYDRANT V1+



Use #10 SS screws for mounting



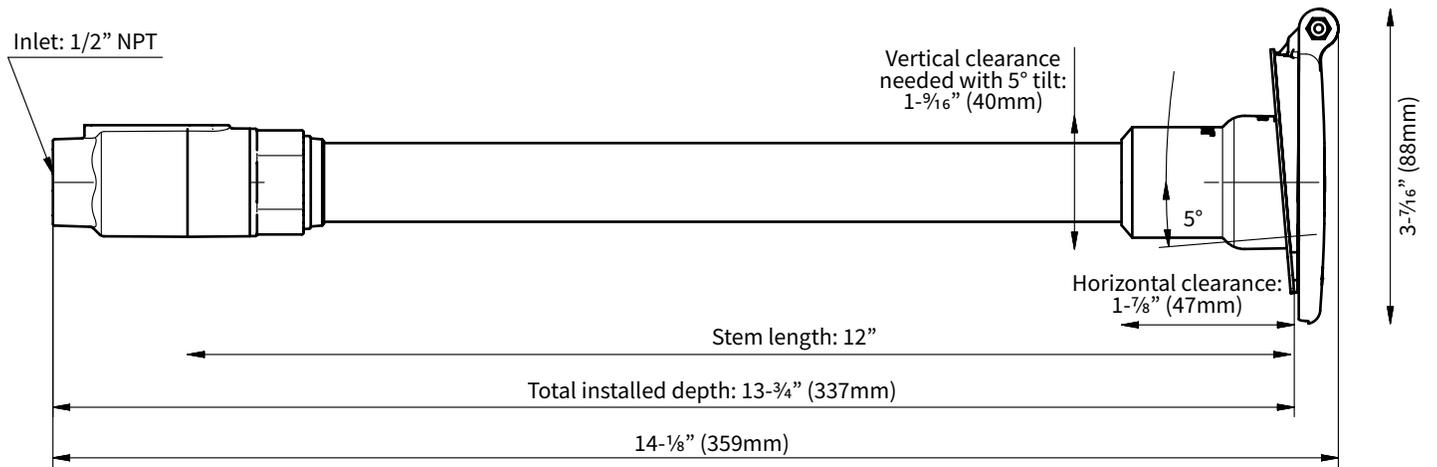
Using a 1.5" hole saw is suggested.



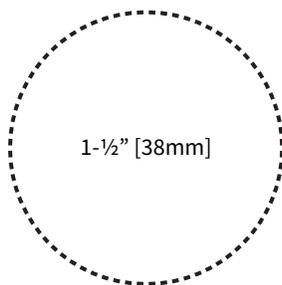
AQUOR® WALL HYDRANT V1+

HHP-SERIES

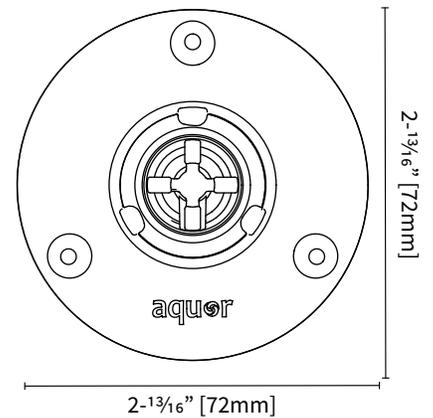
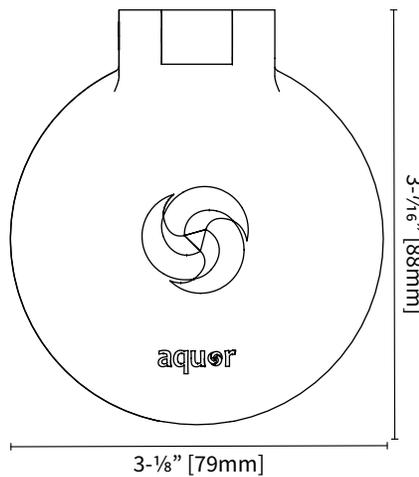
HHP-012 12" HYDRANT V1+



Use #10 SS screws for mounting



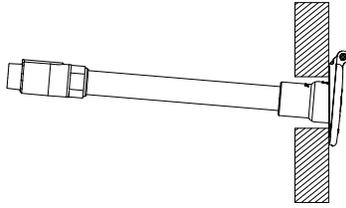
Using a 1.5" hole saw is suggested.



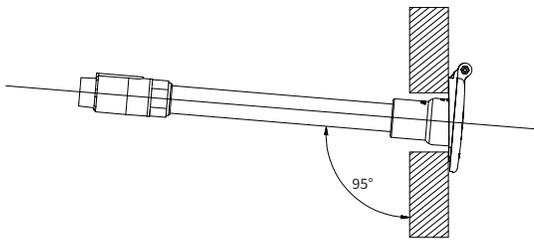
AQUOR® WALL HYDRANT V1+

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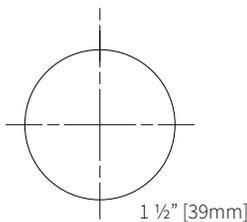
The Aquor House Hydrant is designed for outdoor use. Install in exterior walls of homes and buildings. A small amount of water self-drains from the outlet upon disconnection.



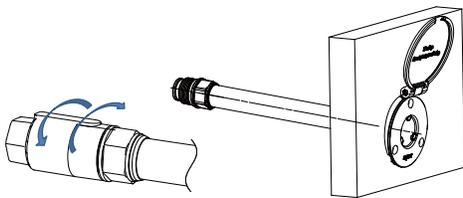
Mount the hydrant on a flat, level surface that allows the hydrant faceplate to sit tightly against the wall. The hydrant's cover backplate provides a 5° downward tilt for drainage. The rubber gasket helps seal it against the wall.



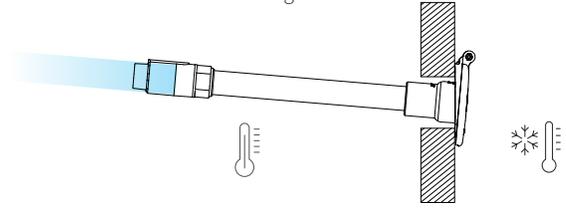
Drill the entry hole. 1-1/2" bit recommended.



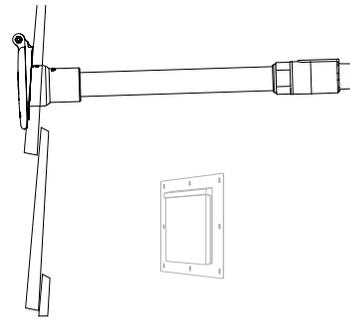
Unscrew the rear inlet from the main hydrant body. Thread in the appropriate 1/2" NPT fitting for your plumbing, wrapped in teflon tape. Re-attach the inlet to hydrant body and tighten. **Do not over-torque, hand-tight is fine.** The inlet is designed to rotate 360° from full lock for alignment, while still keeping a watertight seal.



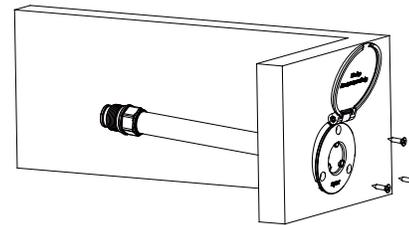
The House Hydrant is for heated and insulated building walls only. The House Hydrant can only offer freeze protection if the ambient temperature around the rear valve is above freezing.



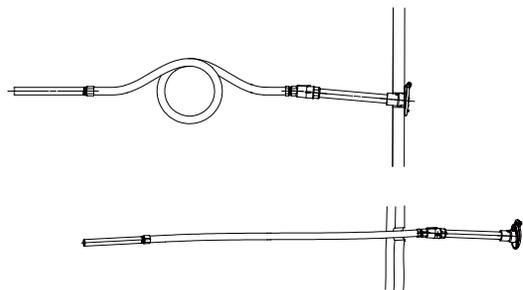
You can mount directly onto lap siding, as long as the hydrant body remains angled downward and allowed to drain. If needed, use a mounting block to provide a flat surface.



For the mounting holes, make sure to **insert the debris cover wedge behind the hydrant faceplate.** Secure to wall with #10 stainless screws.



With the appropriate fitting threaded in, connect the hydrant to your plumbing system. If possible, add an expansion loop of PEX tubing. This allows the hydrant and fitting to be inspected and serviced from the exterior of the building, if ever needed. With copper, you may bracket the inlet against a stud, and then unscrew the entire hydrant body to access the internals.



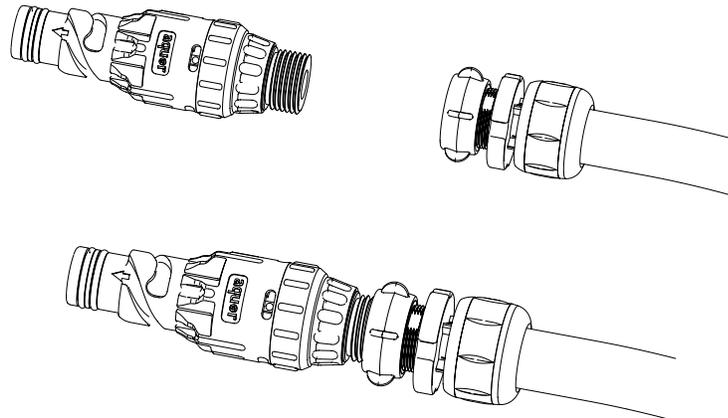
AQUOR® WALL HYDRANT V1+

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Attach the Aquor® hose connector to any garden hose. It can stay attached; there is no need to remove it every use. Before storage, de-pressurize your hose by squeezing the nozzle on the other end.

Use any accessory as you would with a traditional bibb. Inline ball valves, timers, splitters, vacuum breakers, and etc. can be attached to the connector.

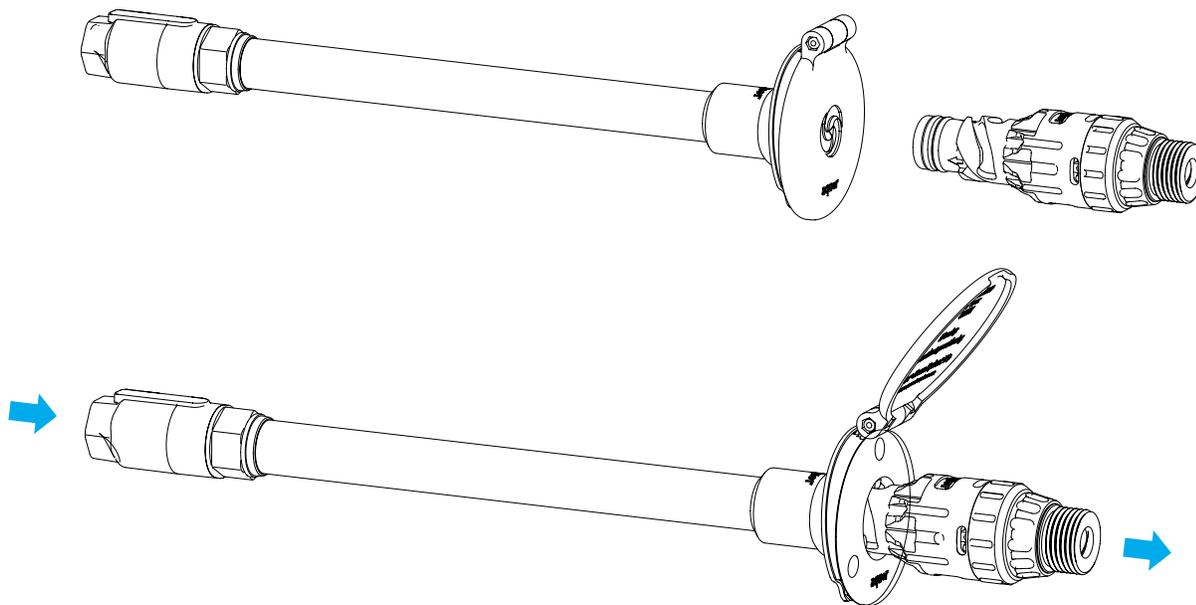
The hose connector has a built-in atmospheric vacuum breaker to prevent any reverse flow or siphonage of liquids.



Operation

To engage, line up the three helical grooves on the hose connector (marked with an arrow) with the three nibs on the hydrant faceplate. Simultaneously push and twist the connector clockwise in a smooth motion. **Water flow will start instantly when the connector is engaged. Use the ball valve to regulate water flow.**

To disconnect, push the connector in slightly, then untwist counter-clockwise. The hydrant will self-drain any remaining water left in the body and vacuum breaker assembly. Remember to de-pressurize your hose before storage.



AQUOR® WALL HYDRANT V1+

Care & Maintenance

It's best to disconnect the hydrant when not in use. The hydrant can only offer freeze protection when disconnected. We recommend unplugging after each use.

Storing your hose connectors out of the elements can prolong their lifespan. You can drain your hose and bring it inside - the internal check valve prevents any unwanted draining afterwards, so your floor stays dry.

Routine cleaning with soap and water is usually sufficient to maintain the corrosion resistance and appearance of the marine-grade stainless steel. Use a soft brush to remove any accumulated dirt, then rinse with clean water. Use stainless steel polish as needed.

If you leave the Aquor connector attached to your garden hose, make sure to de-pressurize the hose after use. Temperature changes can cause water inside to expand, causing excessive pressure on the connector's internal check valve (and your nozzle or accessories) over time.

Protect the hose connector's O-rings. They are designed for extremely long lifespans if used properly. Use care not to snag the connector O-rings on the hydrant nibs. When connecting, line up the grooves before attempting to push or twist.

If you have hard water buildup, the hydrant can be completely disassembled for service or cleaning if needed. The inner valve and stem are accessed through the rear.

Troubleshooting

No water flow when connected.

Check to make sure water supply is on, and hose connector is plugged in. If water supply is live to the hydrant, the connector's internal check valve may be stuck. It can be accessed through the rear end of connector.

Hose connector seems stuck, hard to connect/disconnect.

Check that water pressure does not exceed 125 psi. If the hose connector requires too much effort to unplug, there may be pressure or suction holding it in. Relieving pressure in the garden hose can solve many issues. Try squeezing your hose nozzle while simultaneously connecting or disconnecting. If the issue occurs gradually or periodically, try cleaning the hydrant outlet and lubricating O-rings with petroleum jelly.

Hose connector won't stay plugged in.

The hydrant uses water pressure to seal, and is designed for a pressure range of 25-125 psi. If you are installing the hydrant on a well or low-pressure system, contact us for a higher weight internal spring.

Water leaking from hydrant inlet. (1)

Make sure a proper 1/2" NPT fitting was used. Use 4-5 wraps of teflon tape, followed by a layer of pipe-joint compound.

Water leaking from hydrant body. (2)

Make sure no teflon tape or sealant of any kind is applied here. Check the main body O-ring for any damage, replace if needed. The rear valve housing should not be over-tightened.

Water leaking from hydrant main outlet. (3)

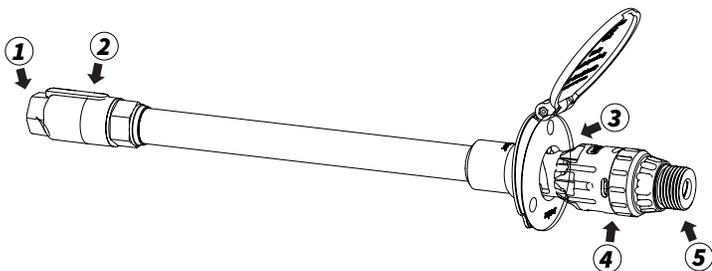
Try flushing the hydrant by connecting and disconnecting several times. Check hose connector O-rings for any looseness, wear, or sign of damage. If issue repeats with a 2nd hose connector, check hydrant's main valve O-ring for any sign of damage. If issue persists, operating rod may be bent.

Water leaking from hose connector body. (4)

Note that the internal vacuum-breaker assembly may release water occasionally. If issue persists, replace hose connector.

Water leaking from hose connector threads. (5)

The hose connector is designed to be left attached on a garden hose. Make sure the hose and hose connector threads are free of debris and in good condition. Try wrapping threads in teflon tape and firmly tightening. Test hose connector on another hose. If issue persists, replace hose connector.



Support & Warranty

We stand behind every product we make. Our mission is to manufacture the highest-quality water connectors possible, and our products are engineered to last years of frequent use.

Aquor offers a 10 year warranty on all stainless steel components, and 5 years on all polymer components. For more information, contact us or visit our website at www.aquorwatersystems.com.