

The Aquor House Hydrant is an in-wall outdoor faucet system that combines incredible convenience and hassle-free dependability. The innovative twist-lock connection system allows you to connect garden hoses instantly, even under full water pressure. Simply attach the heavy-duty polymer Aquor connector to any garden hose, and plug into the hydrant with a simple twist. Water turns on automatically when you connect, and you're ready to go. When you're done, just unplug the Aquor connector. Water flow stops instantly and the hydrant self-drains to prevent freezing.

Quick Tips:

Use only with a garden hose attached. Water flow starts the instant you connect. Engaging the Aquor connector without a garden hose attached may cause undesirable water spray.

For the easiest connection, start with your wrist turned to the left as if you're about to wring a towel.

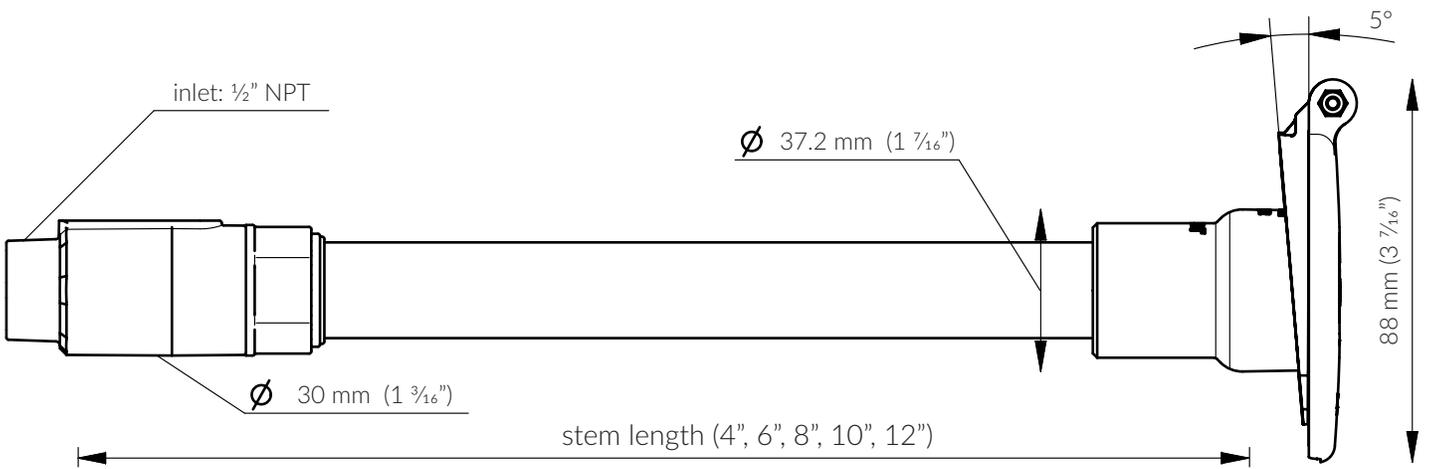
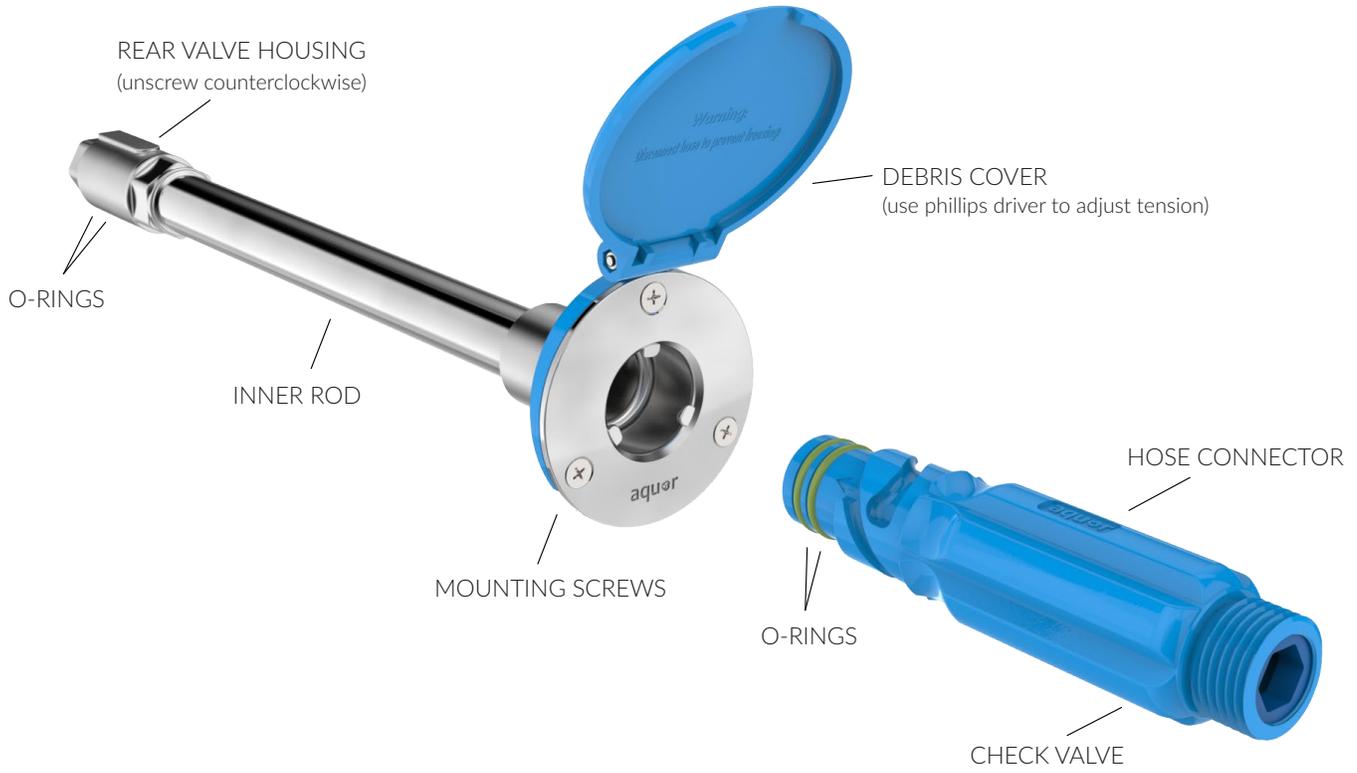
Line up the 3 grooves on the connector to the hydrant, then push and twist clockwise.

Fully commit to engaging the connector. Connect in one swift, deliberate motion. Pausing midway during connection may cause blow-back.

Always relieve water pressure before disconnecting. Connecting then immediately disconnecting may cause spray or blow-back.

For the longest lifespan, store the Aquor connector indoors when not in use. The one-way valve prevents water from spilling from your garden hose.

OVERVIEW



Please read all instructions and warnings before installing.

! WARNING

Failure to turn off water supply prior to installation can result in personal injury or damage to home. Professional installation recommended.

The Aquor House Hydrant is for outdoor use only. Install in exterior walls of homes and buildings.

After disconnection, the hydrant self-drains for freeze-protection. Indoor installation is not recommended for this reason.

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.

Aquor Connector must be disconnected and House Hydrant allowed to self-drain in freezing temperatures.

Close the debris cover when House Hydrant is not in use.

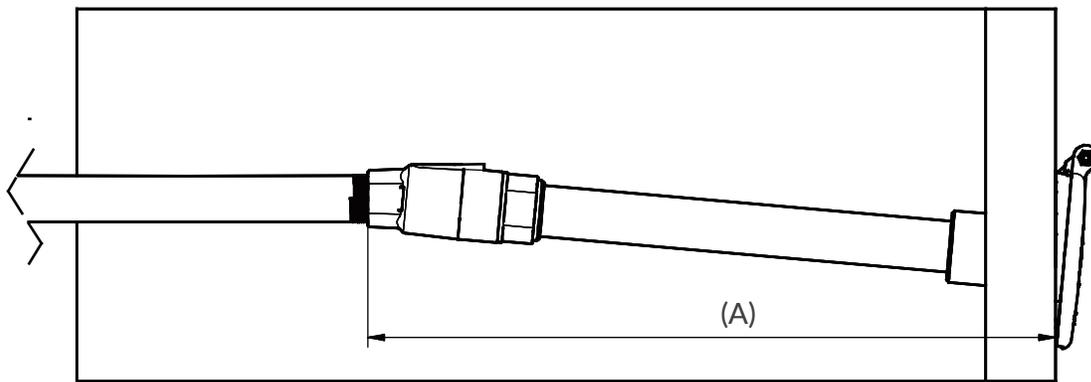
Install the hydrant in accordance with all applicable plumbing codes and regulations.

Inlet/outlet size: ½" NPT inlet, ¾" GHT outlet.

Recommended operational pressure/temperature: 25-125 psi, 0-140° F.

Recommended plumbing types: Copper, PEX

Step 1: Fitment



size	4"	6"	8"	10"	12"
(A)	5 7/8" (149mm)	7 7/8" (199mm)	9 7/8" (249mm)	11 3/4" (299mm)	13 3/4" (349mm)

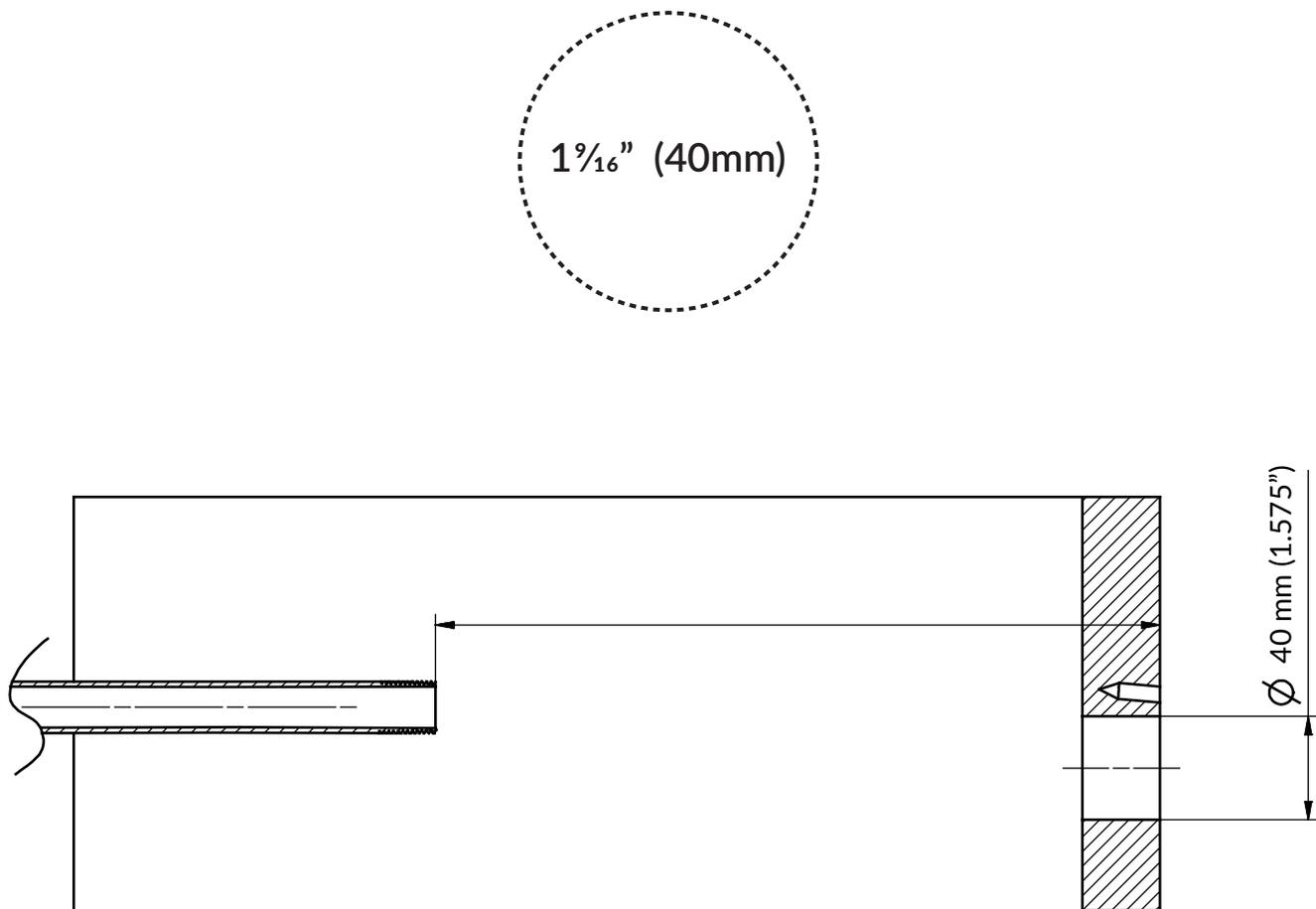
Measure the distance from the exterior of your home's wall to where the hydrant will connect to your piping. Measure your House Hydrant from faceplate to end (including the adapter you'll be using to connect to the supply line) and ensure that it will fit. The hydrant is installed at a 5° downward angle to ensure residual water self-drains when the Aquor connector is disconnected from the outlet.

! TIP

If you plan on using a mounting block (see next page), make sure to take into account the added thickness when measuring your hydrant length.

Step 2: Prepare Wall

Prepare your exterior wall for the House Hydrant. Cut and drill the entry hole to dimensions below:



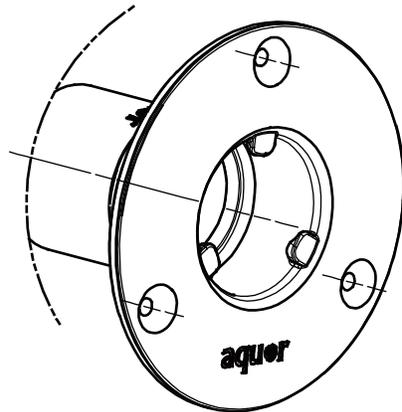
⚠ TIP

A 1.5" hole saw bit is a more common size that will work for most installations. Depending on the thickness of the siding, the 5° angle may cause the hydrant to touch the top of the hole. Enlarge the entry hole as needed.

⚠ NOTE

If you are installing the hydrant on a surface that isn't flat or smooth, such as stucco or lap siding, using a mounting block is highly recommended. A mounting block provides a level, 90° surface that allows the hydrant faceplate to sit flush against the wall. Mounting blocks can be easily custom-made or are commonly available for purchase at hardware stores. Remember that a mounting block will add depth to your wall, so keep this in mind when measuring your hydrant length for installation.

Step 3: Test Fitment



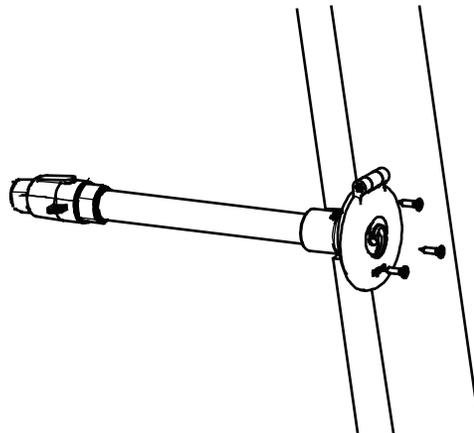
Test your new hydrant's fitment. Keeping the Aquor logo down, ensure the hydrant will line up correctly with the water supply line, then mark the position of the three screw holes in the faceplate for drilling. The included debris cover and wedge will keep the hydrant sloped downward at a 5 degree angle.

CAUTION

Debris cover and wedge must be installed for proper drainage and freeze protection.

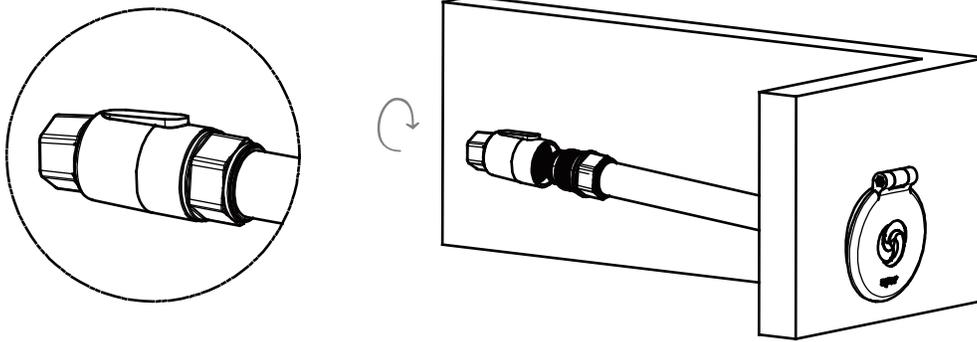
Step 4: Drill Mounting Holes

Once your entry hole has been cut, insert the hydrant and wedge, and mark the location of the three holes for mounting screws. Make sure to have the wedge behind the hydrant faceplate for accurate markings. Once marked, remove the hydrant and drill the three holes. Masonry anchors are included with your House Hydrant if needed.



Step 5: Unscrew rear valve housing

The rear valve housing unscrews from the House Hydrant body counter-clockwise. This is how you access the rear valve and O-rings to clean or service your hydrant, if needed. Unscrew the valve housing from the hydrant in order to more easily thread in your 1/2" NPT plumbing adapter.



Note the placement of the inner rod and spring assembly. The spring is designed to stay within the rear valve housing so that it does not accidentally fall out. The spring's purpose is to keep the valve closed in case of loss of water pressure. Under normal pressures, water pressure itself will hold the valve sealed shut.

There are two O-rings within the rear valve housing assembly. A static O-ring seals the rear valve housing to the main hydrant body. This O-ring is designed to allow up to 180° of reverse rotation from full lock without losing its seal. This allows you to install the hydrant faceplate perfectly level. The second O-ring closes the main valve. Because this seal cannot be overtorqued, it experiences minimal wear. Under normal conditions, this seal will generally last over 10 years. It can be replaced by unscrewing the rear valve housing and then removing the stainless steel inner rod assembly.

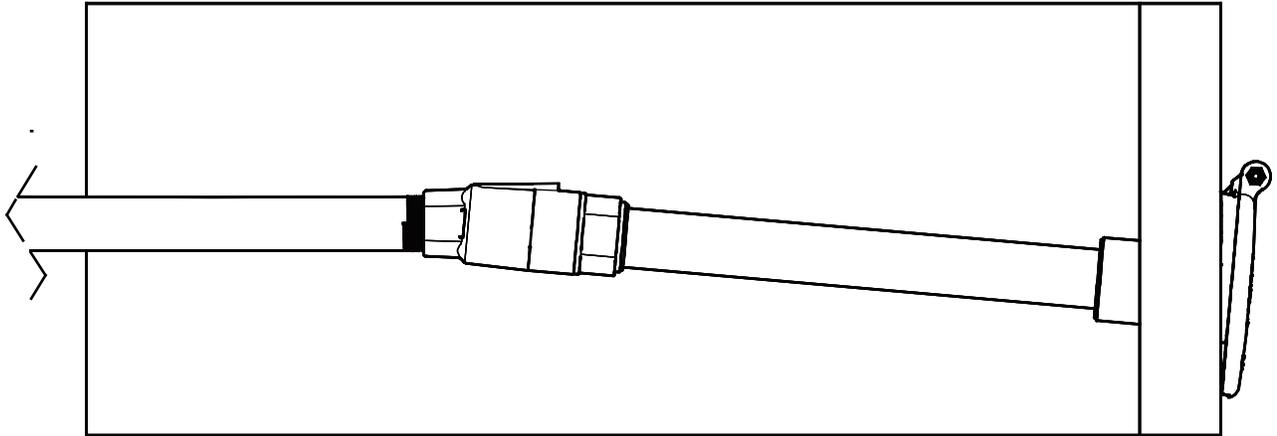
⚠ TIP

If you're installing with copper plumbing and don't have easy access behind the wall, consider bracing the rear valve housing against a stud to allow for future maintenance. With the rear end secured, you can unscrew the entire hydrant body from the exterior of the home. Otherwise, if you're installing into a finished interior wall or ceiling we recommend adding an access panel for easy future maintenance.

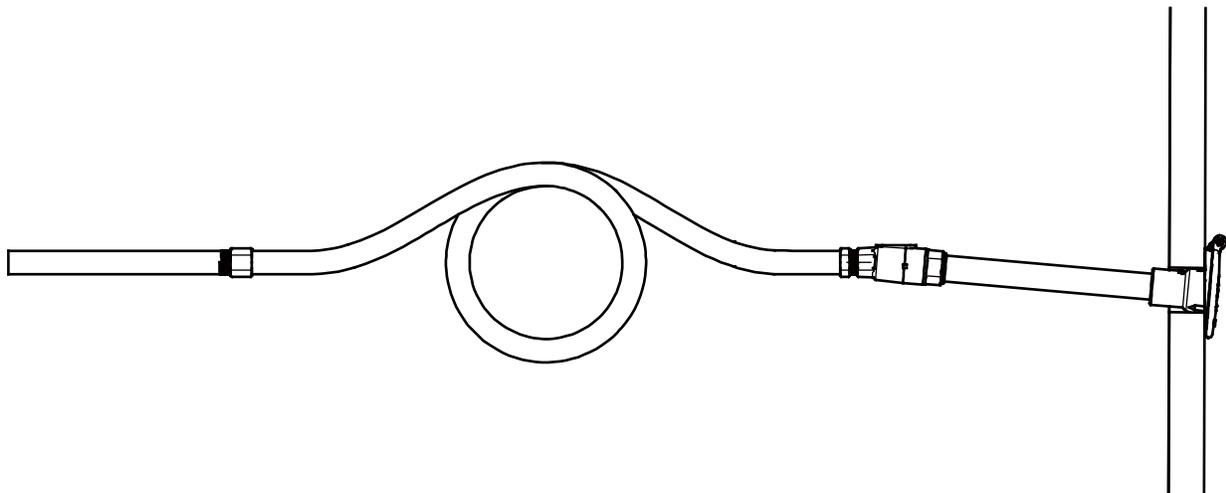
With PEX tubing, you can add an expansion loop inside your wall for even simpler future maintenance (see next page).

Step 6: Connect to Supply Line

You can use any male-threaded 1/2" NPT adapter to connect to your supply line. All types of plumbing adapters, including sweat-on, press-fit, or push-fit adapters, are compatible with the House Hydrant. **Use plenty of teflon tape and firmly tighten your 1/2" NPT plumbing adapter into the rear valve housing.**



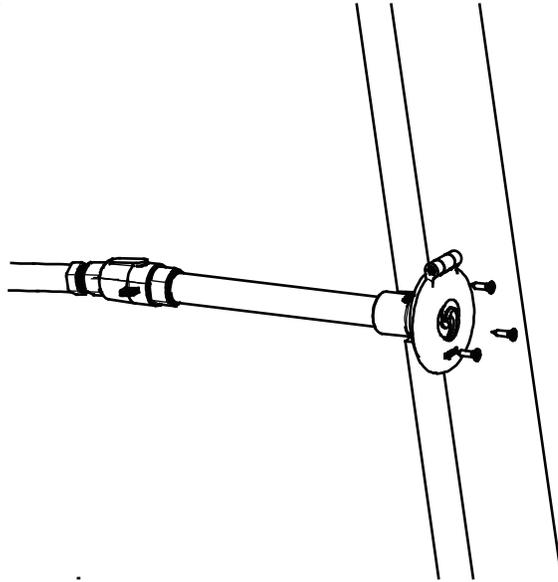
With your adapter attached, screw the rear valve housing back onto the rear of the hydrant, making sure the internal spring and rod are correctly in place. The rear valve housing is designed to be able to unscrew up to 180° from full lock while still maintaining a watertight seal. Ensure the inner rod mechanism moves smoothly.



With PEX tubing, additional loops are added periodically to allow for expansion or contraction. You can use a loop like this for simple House Hydrant access from the exterior of the home. Add an additional loop of tubing inside your wall when installing your hydrant. Then, the entire assembly can be pulled out with the slack.

Step 7: Secure to Wall

Insert the debris cover with integrated wedge between the hydrant faceplate and exterior wall. The wedge and cover must be installed, and are required to drain water from the hydrant when disconnected. Ensuring the Aquor logo is right side up, use the included stainless steel screws to secure the hydrant to the home's exterior wall. Masonry anchors are included if needed.



Step 8: Test and Check For Leaks

With the system disconnected, turn your water supply back on and inspect for any leaks from the interior and exterior. Test the cover operation to check that it opens and closes smoothly. Insert the Aquor connector and make sure the internal rod and valve open smoothly. Unplug connector before proceeding.

Do not plug in the Aquor connector without a garden hose attached. This may produce undesirable water spray. Attach the connector to any standard 3/4" garden hose. Make sure to use a garden hose with threads that are not bent or worn. Using a soft, flexible polyurethane or premium rubber garden hose is recommended for easiest operation. Teflon tape can be used for additional sealing.

Accessories such as pressure regulators, Y-splitters, and vacuum breakers can be attached between the Aquor connector and garden hose. Always use the Aquor connector with a garden hose attached. Inserting the connector without a garden hose attached may produce undesirable results.

Installation Complete.

Appendix A: Troubleshooting

Water spray/blowback from hydrant

Engaging and then disengaging the Aquor connector without relieving pressure in between may result in water spray or blowback. To prevent this, simply squeeze your garden hose nozzle or allow water to run for a second before disconnecting.

Connector stuck in hydrant

Remember to unplug your Aquor connector after each use. After extended periods of time, contraction due to changes in temperature and/or debris and water mineral buildup may cause O-rings to become stuck or require more effort to move. If your connector is seized in the hydrant, try unplugging while water is running to minimize pressure on the O-rings (try simultaneously squeezing your hose nozzle while untwisting the connector).

Noise coming from Aquor Connector

At low water pressures, the spring inside the connector's one-way check valve may not compress fully. Sometimes this may cause the spring to vibrate and cause a buzzing noise. To confirm, remove your garden hose and unscrew the check valve from the rear of the connector. Remove the check valve assembly and re-attach garden hose. Connect to hydrant and test operation.

Leaking from Rear Valve Housing (connection to plumbing)

Check that the plumbing adapter is a 1/2" NPT fitting and is free from defects. Ensure plenty of teflon tape was used on the plumbing adapter. Ensure the adapter has not been under- or over-tightened into the hydrant. If using another plumbing fitting does not resolve the issue, inspect the hydrant threads for damage. Replace rear valve housing if needed.

Leaking from Rear Valve Housing (connection to hydrant body)

The rear valve housing has a robust seal that is designed to be able to unscrew up to 180° from full lock without losing watertightness. If the issue persists even when fully tightened, check the internal O-ring and hydrant threads for damage. Replace O-ring or rear valve housing if needed.

Leaking from Outlet (no Aquor connector engaged)

The hydrant is designed to self-drain for freeze protection each time it is disconnected. A small amount of water draining from the outlet for 5-10 seconds is completely normal. If water continues to leak from the hydrant, shut off your water supply and unscrew the rear valve housing. Inspect the internal O-ring located on the inner rod. Check that the internal rod and spring assembly are properly positioned and operate smoothly. Replace the O-ring and/or inner rod if needed.

Leaking from Outlet (with Aquor connector engaged)

Check that the Aquor connector has been fully engaged. It is supposed to "lock" into place at the end of the quarter-turn twist. Clear the outlet of any dirt or debris, and check the two O-rings for damage. Replace the O-rings or connector if needed.

Leaking from Connector (with garden hose attached)

Check that the garden hose and connector threads are not worn or damaged. Use teflon tape if needed.