

# Aquor® Ground Hydrant

IN-GROUND YARD HYDRANT SYSTEM

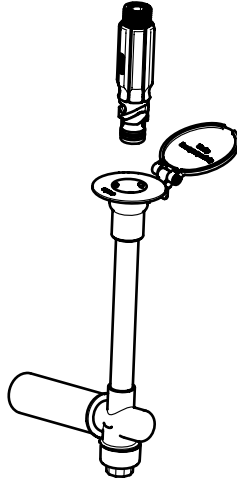
FLUSH-MOUNT • NON-FREEZE • SELF-DRAINING



**aquor**  
water systems



# INTRODUCTION



## AQUOR GROUND HYDRANT V1

Yard utility hydrant with twist-lock connection system.

- Allows user to access water instantly.
- Robust O-ring connection system ensures a reliable leak-proof seal, even at high water pressures.
- Stainless steel operating rod provides zero-maintenance reliability for years.
- Hydrant self-drains upon disconnection to provide freeze protection.
- Hydrant comes standard with 1/2" female NPT inlet.
- Each hydrant kit includes heavy-duty polymer hose connector with 3/4" GHT threading.
- Any 3/4" accessory (eg. water timers, splitters, vacuum breakers) can be attached to end of hose connector.
- Hose connector contains integral check valve for backflow protection.



Aquor hydrants are made with 100% lead-free 316L stainless steel and non-toxic polymers. No brass components are used. Complies with or exceeds California, Vermont, and Federal Lead Reduction Laws (Senate Bill S.3874).

### Color options:

Aquor Blue, Slate Gray

### Stem lengths (bury depth):

12", 24", 36", 48" (custom lengths available)

### Inlet size:

1/2" NPT

### Recommended water pressure/temperature:

25-125 psi, 0-140° F

### Backflow protection:

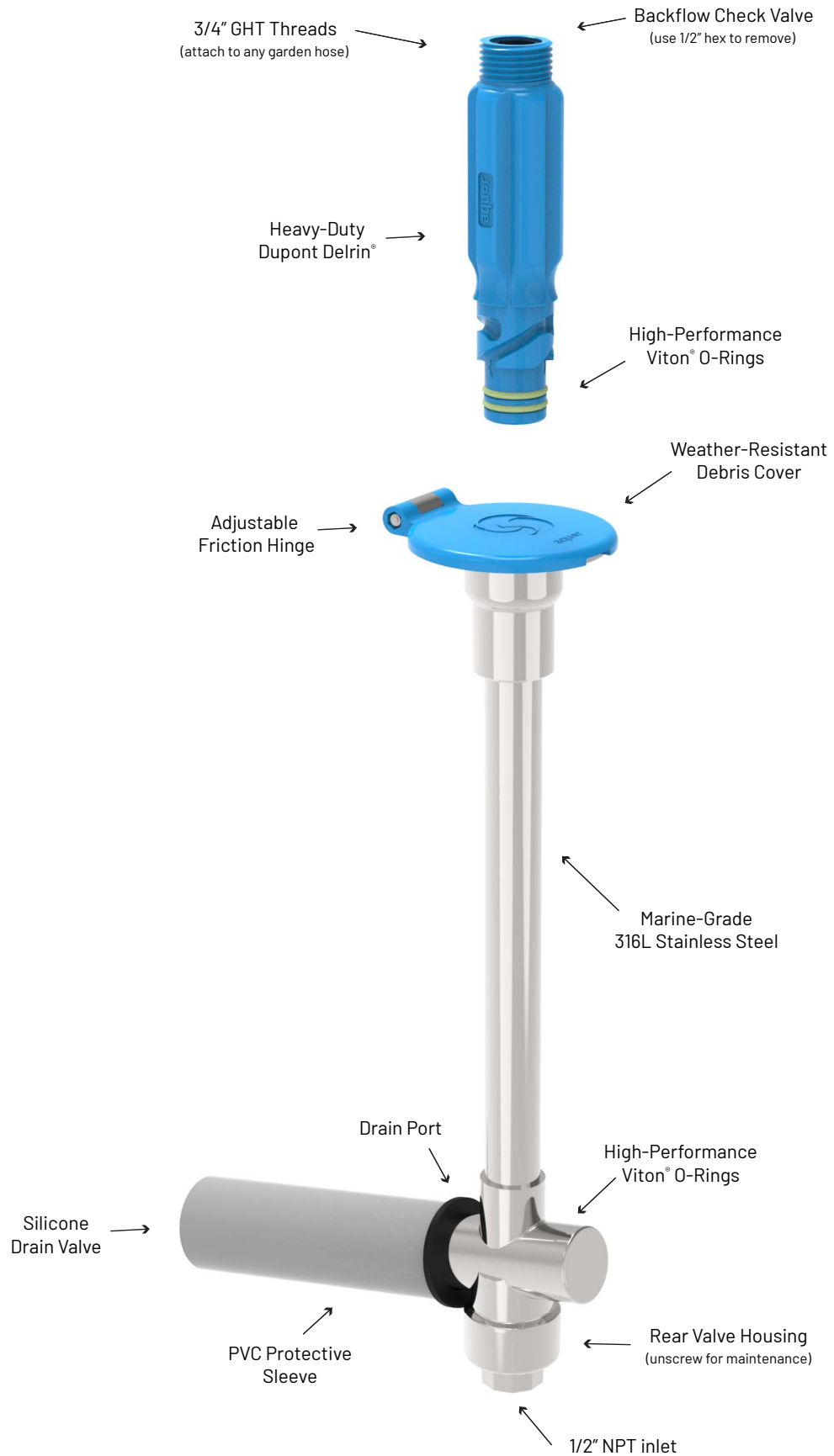
Check-valve in hose connector (anti-siphon model available)

### Warranty:

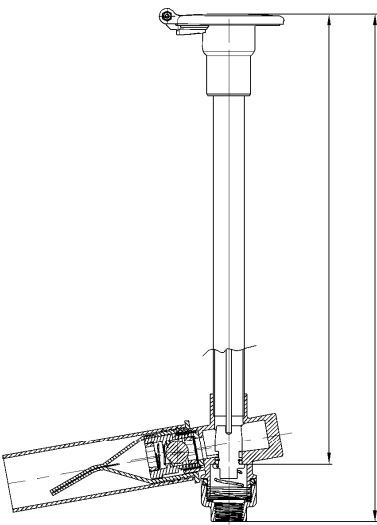
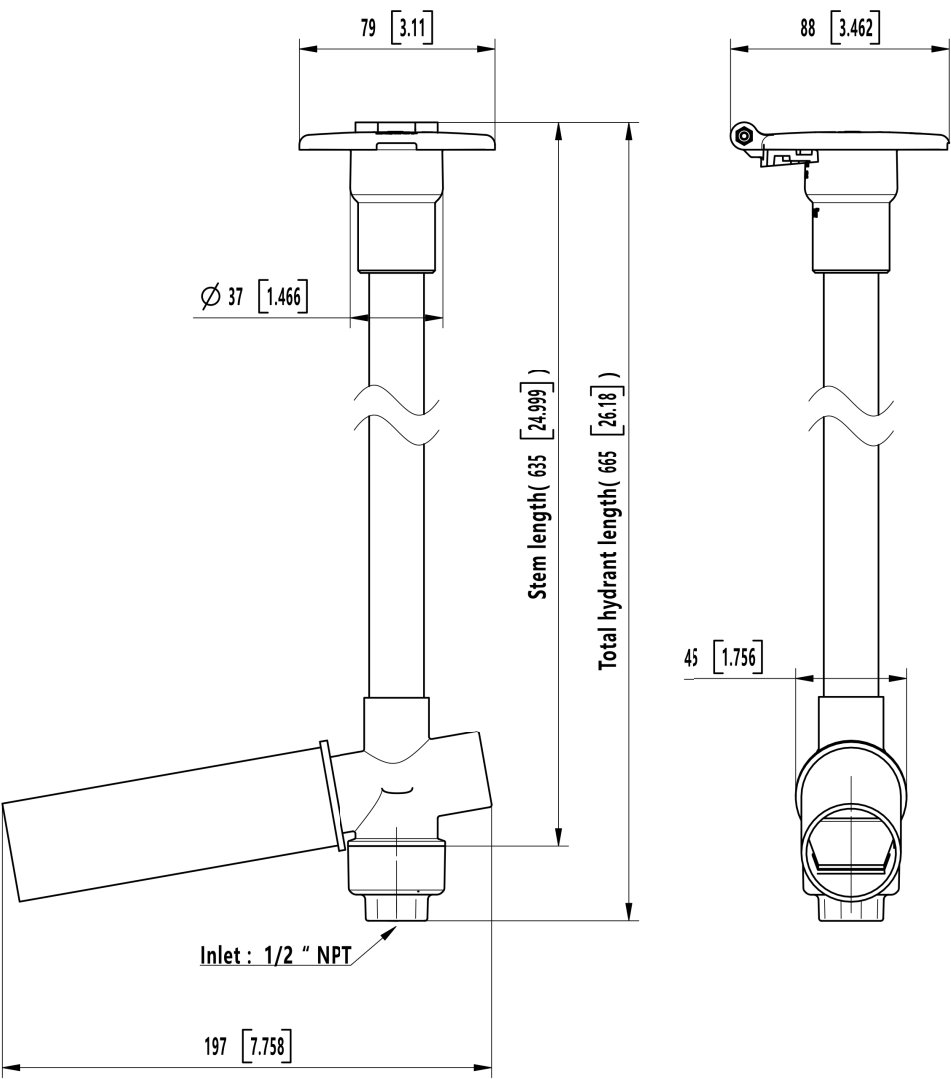
5 years on hose connector and polymers

10 years on stainless steel body and internals

# OVERVIEW

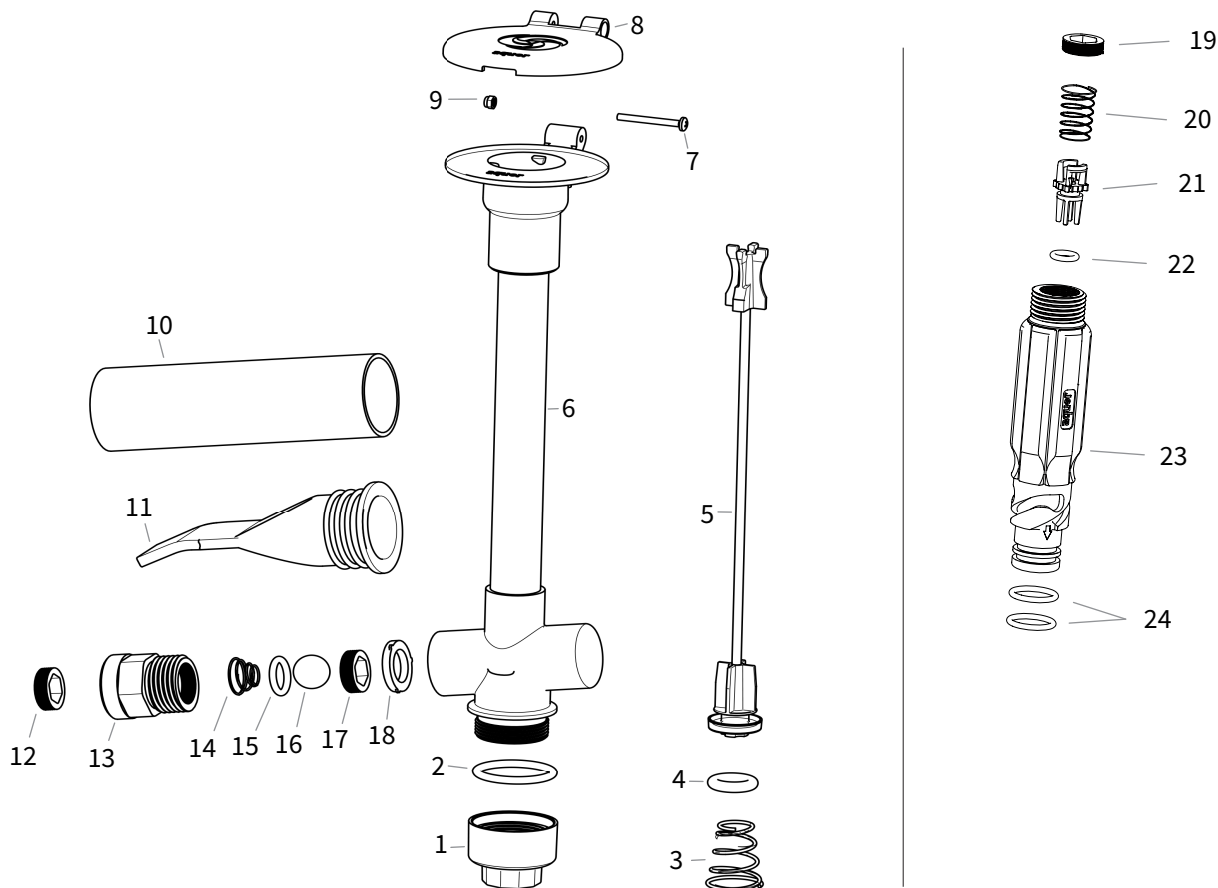


DIMENSIONS



MODEL	STEM LENGTH		TOTAL LENGTH	
	[MM]	[INCH]	[MM]	[INCH]
UGH-12	305	12	358	14
UGH-24	610	24	662	26
UGH-36	914	36	966	38
UGH-48	1219	48	1271	50

# PARTS DIAGRAM



## PART DESCRIPTIONS

- |                                       |                                  |
|---------------------------------------|----------------------------------|
| <b>1.</b> Rear Valve Housing (inlet)  | <b>19.</b> Connector O-Rings     |
| <b>2.</b> Hydrant Body O-Ring         | <b>20.</b> Connector Body        |
| <b>3.</b> Valve Spring                | <b>21.</b> Check Valve O-Ring    |
| <b>4.</b> Inner Valve O-Ring          | <b>22.</b> Connector Check Valve |
| <b>5.</b> Operating Rod               | <b>23.</b> Check Valve Spring    |
| <b>6.</b> Hydrant Body                | <b>24.</b> Check Valve Retainer  |
| <b>7.</b> Debris Cover Bolt           |                                  |
| <b>8.</b> Debris Cover                |                                  |
| <b>9.</b> Debris Cover Nut            |                                  |
| <b>10.</b> PVC Protective Sleeve      |                                  |
| <b>11.</b> Silicone Flapper Valve     |                                  |
| <b>12.</b> Check Valve Retainer       |                                  |
| <b>13.</b> Check Valve Housing        |                                  |
| <b>14.</b> Check Valve Release Spring |                                  |
| <b>15.</b> Check Valve O-Ring         |                                  |
| <b>16.</b> Check Valve                |                                  |
| <b>17.</b> Check Valve Screen         |                                  |
| <b>18.</b> Check Valve Housing Washer |                                  |

### Need parts?

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

[contact@aquorwatersystems.com](mailto:contact@aquorwatersystems.com)

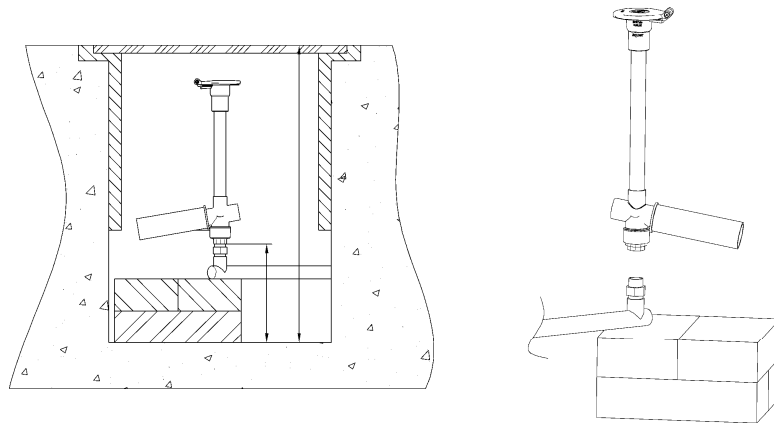
# INSTALLATION

Dig a hole for the hydrant approximately 2 ft. in diameter and 1 ft. 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.

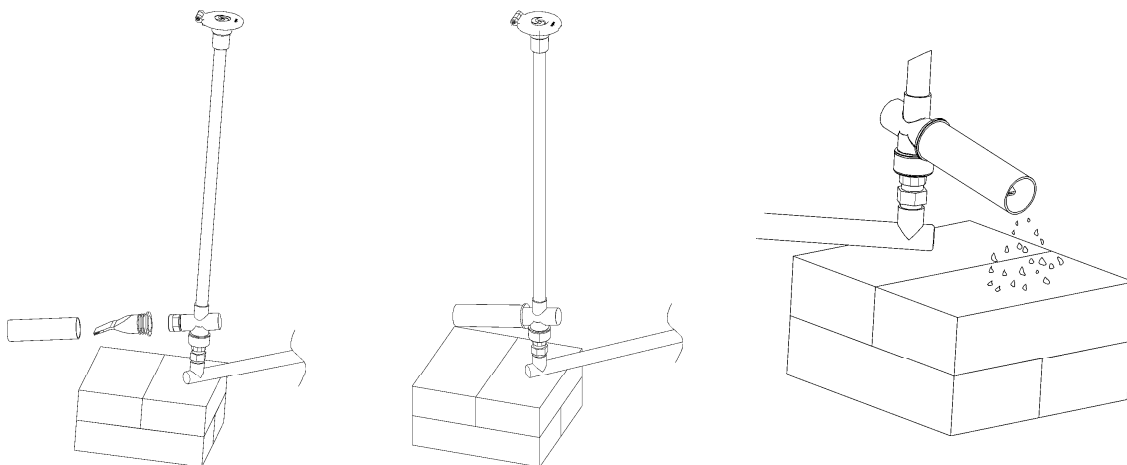
Note: The valve at the bottom of the hydrant must be buried below the frost line. This ensures proper drainage so the hydrant does not freeze.

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

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. This helps prevent damage to the supply line and hydrant.



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

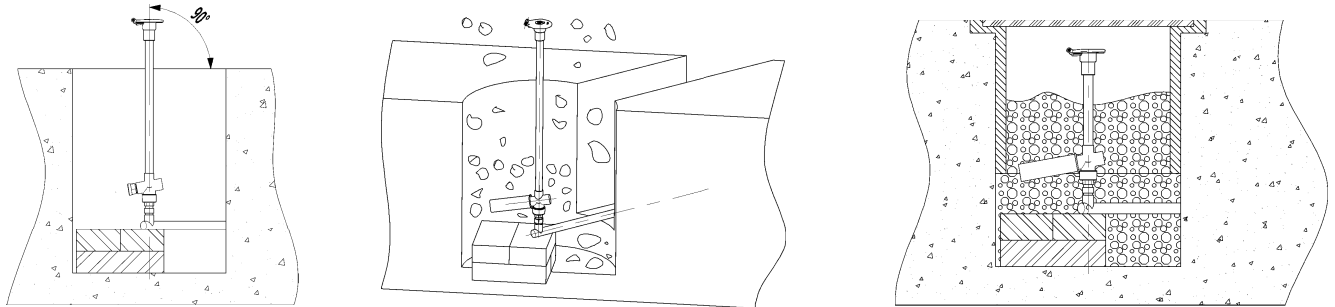


Check to make sure the hydrant's drainage valve is clear of obstruction. The silicone flapper valve is designed to drain excess water while preventing bugs and debris from entering the valve. The PVC sleeve protects the silicone flapper valve from damage. Ensure the hydrant drains properly before burying.

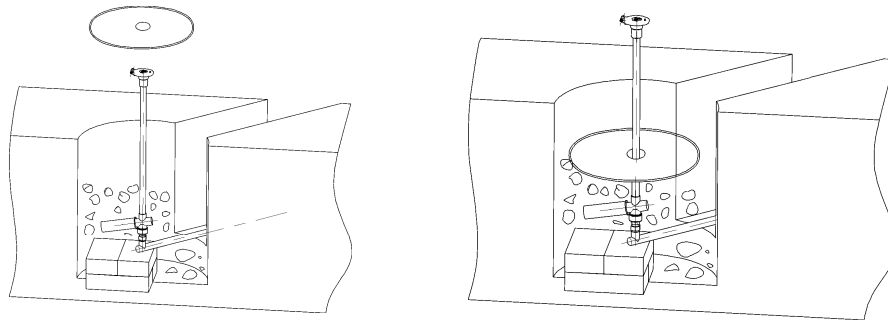
## INSTALLATION *cont.*

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

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.



Optionally, a layer of suitable plastic sheeting or landscaping fabric can be added halfway through filling. This can help prevent soil or fine sand from settling and filling the drain field.



Test hydrant operation again. Installation complete.

## OPERATION

Firmly attach the Aquor connector to a garden hose. Use teflon tape if needed.

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.

To disconnect, perform the reverse motion. Water will shut off instantly, and self-drain through the drain port.

