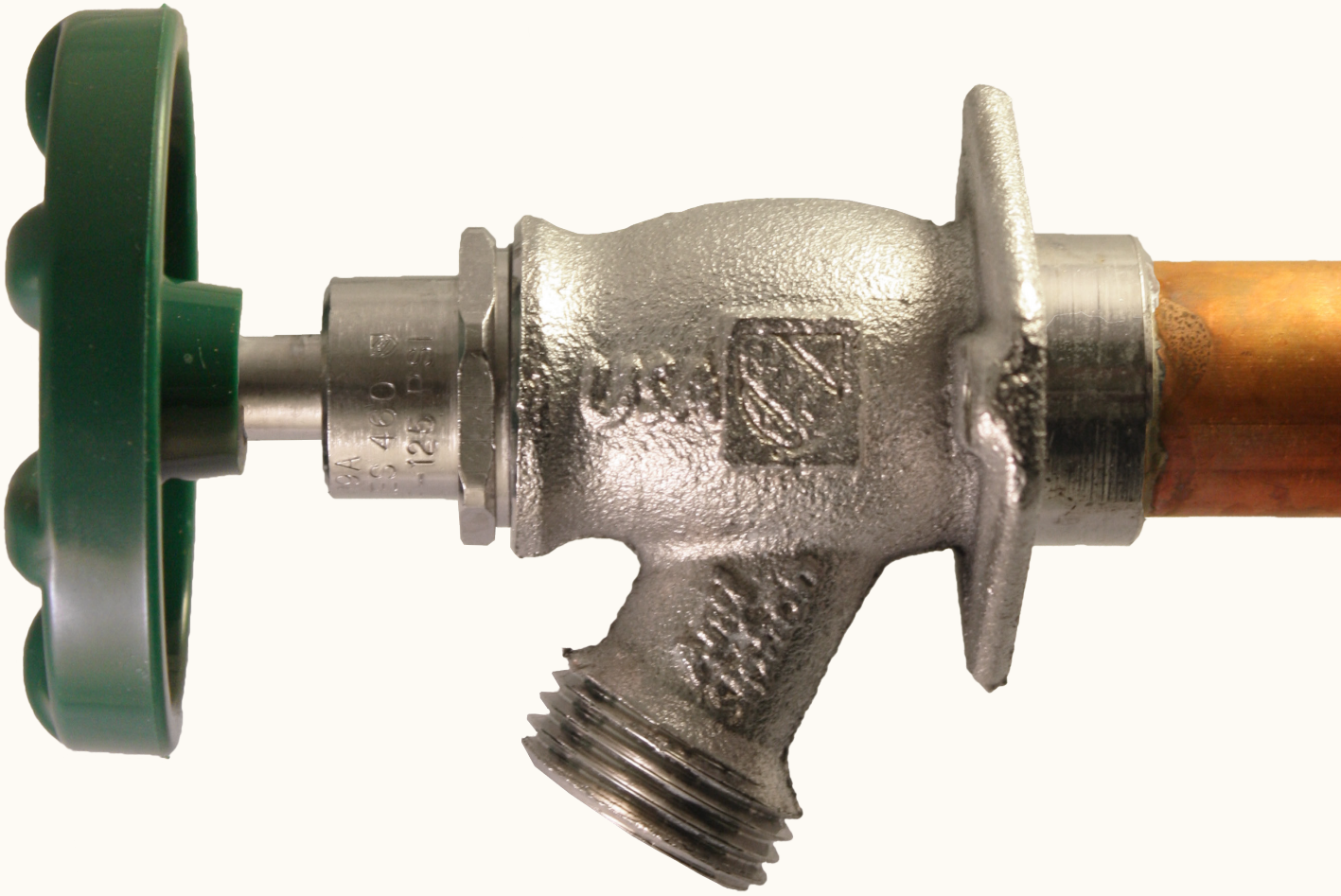
460 Series Arrow-Breaker® Wall Hydrant Installation, Use & Repair Guide



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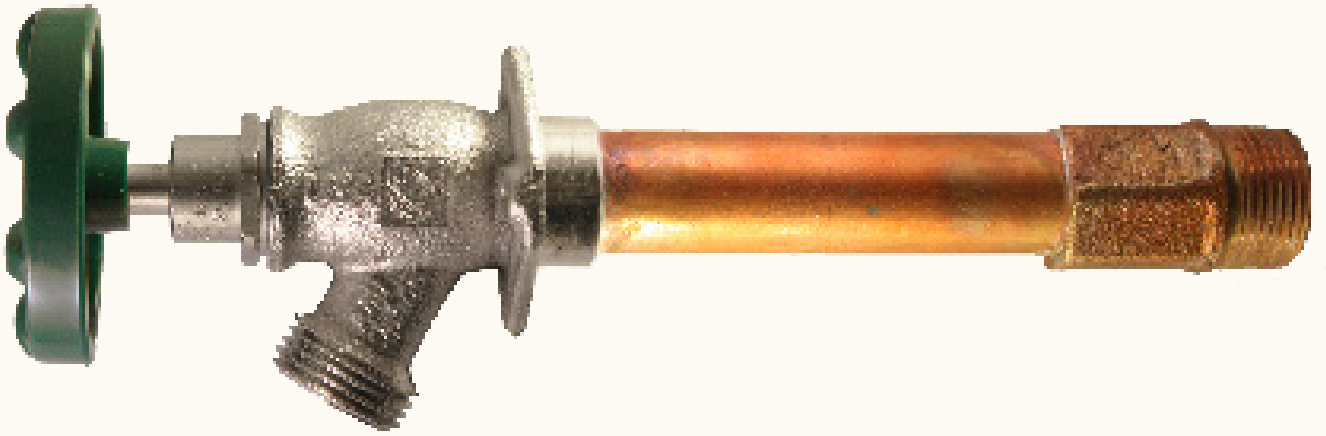
460 Series Arrow-Breaker® Wall Hydrants



460 Series Hydrant Information

- Arrow-Breaker® Frost-Free Hydrants with built-in anti-siphon technology.
- Protects drinking water from harmful contaminates (pesticides, herbicides, etc).
- Includes QuickTurn® Technology: easy on/off operation without letting go of the handle.
- Protects pipes from freezing & damage.
- ASSE 1019 Listed; IAPMO Certified.
- Made in the USA; 3-Year Limited Warranty.
- ***Faucet should not be pressurized (left open) for more than 12 consecutive hours.***
- ***Not designed for constant pressure applications (i.e. sprinkler & drip timers, "Y" Shut-offs).***
- When using self-closing nozzle, always relieve pressure after shut-off.
- Faucet must be installed at a downward angle to ensure drainage & prevent freezing.

Repair

Leaking out of the Hose Thread when "OFF":

- Cause: worn out washer or broken faucet seat.
- Repair by replacing the Spring-Less Check Assembly (PK6026) or replacing the entire stem assembly (PK6004-PK6014).
- If faucet continues to leak when OFF, the faucet seat might be broken and the faucet will need to be replaced.

Leaking out of the Packing Nut or Bonnet:

- Cause: loose bonnet or worn out seals in the bonnet.
- If tightening the bonnet does not stop leaking from the threads, replace nylon washer (or the Stem Assembly (PK6004-PK6014).

Leaking out of the Weep Hole during use:

- Cause: worn out o-ring on the check assembly. This happens over time or if the faucet is left "ON" for long periods of time (over 12 hrs).
- Repair by replacing the Spring-Less Check Assembly (PK6026).
- If the leak still occurs, replace the entire stem assembly (PK6004-PK6014).

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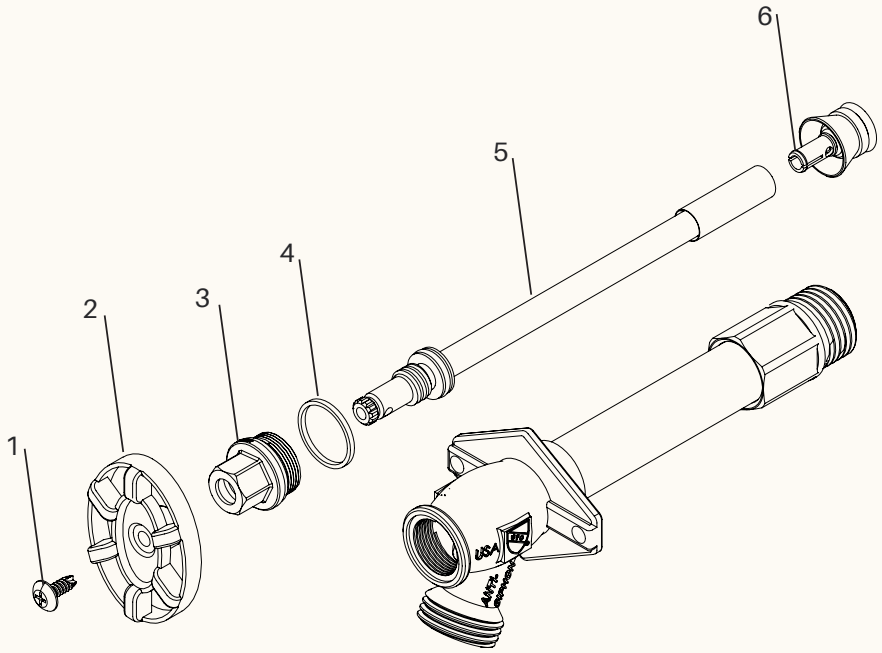
460 Series Arrow-Breaker® Wall Hydrants

Repair & Replacement Parts

Rubber-Coated Handle & Screw	Spring-less Check Assembly	Gap-Spacer Wedge	460 Series 4" Stem Assembly	460 Series 6" Stem Assembly	460 Series 8" Stem Assembly	460 Series 10" Stem Assembly
						
# PK1295 Rubber-coated green oval handle (# 2) & stainless screw (# 1)	**# PK6026** Replacement spring-less check assembly (# 6)	**# PK1450** Replacement gap spacer, used to tilt faucet downward	**# PK6004** 4-inch hydrant stem assembly (# 3-6) (8" total length)	**# PK6006** 6-inch hydrant stem assembly (# 3-6) (10" total length)	**# PK6008** 8-inch hydrant stem assembly (# 3-6) (12" total length)	**# PK6010** 10-inch hydrant stem assembly (# 3-6) (14" total length)

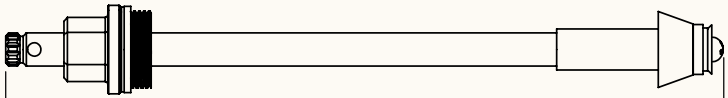
460 Series 12" Stem Assembly	460 Series 14" Stem Assembly
	
# PK6012 12-inch hydrant stem assembly (# 3-6) (16" total length)	**# PK6014** 14-inch hydrant stem assembly (# 3-6) (18" total length)



How to measure a frost-proof stem:

1- Measure overall (tip to tip) length of the stem assembly, with the check assembly pushed in.

2- Subtract 4".



PK6004 = 8"
PK6006 = 10"
PK6008 = 12"
PK6010 = 14"
PK6012 = 16"
PK6014 = 18"

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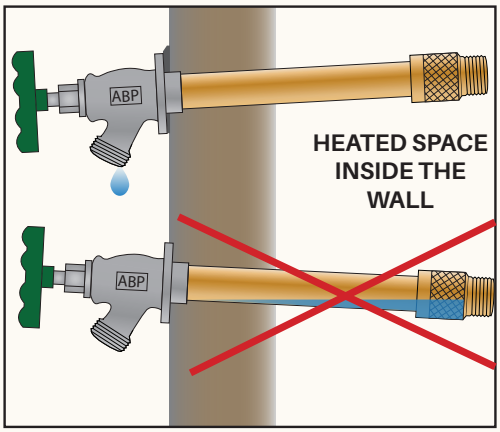
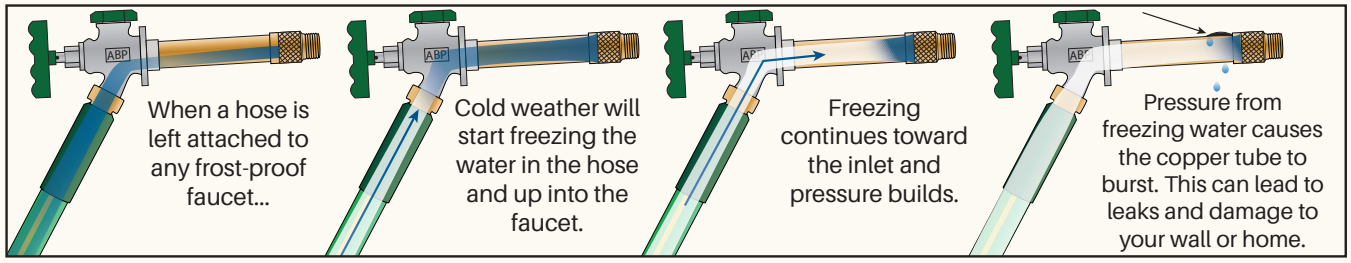
Frost-Proof Wall Hydrant Installation and Use

- Frost-proof wall hydrants are designed to prevent damage from freezing water in plumbing systems. Frost-proof wall hydrants protect the water supply from the cold weather by shutting-off flow at the heated space inside the wall.
- For a frost-proof wall hydrant to work properly, it must be installed at a slight downward angle toward the spout (as pictured right). This allows water to drain when it is shut-off. A gap spacer wedge can be used to ensure proper installation with a downward tilt.
- If the hydrant is installed level or at an upward angle, water will not drain properly and may lead to freeze damage.



The only cause of a burst frost-proof hydrant is water expansion from freezing water inside an un-drained wall hydrant. Properly installed valves (with downward tilt) will always drain unless a hose or other device was left attached.

Grey gap spacer wedge can be used to ensure downward tilt.
"REMOVE HOSE IN FREEZING WEATHER".



When a hose or other device is left attached to the faucet (such as an irrigation timer, "y" hose splitter, or add-on back-flow preventer), water will remain trapped inside the wall hydrant. If cold weather hits, water inside the hose will begin to freeze upward toward the back, or "seat", of the faucet, and the pressure inside the copper tubing will exceed capacity and burst. This will cause leaks within the wall and can cause considerable damage. Frost-proof wall hydrants are designed to prevent this damage as long as the user ensures the faucets are angled downward and all hoses/devices are removed during freezing weather.

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