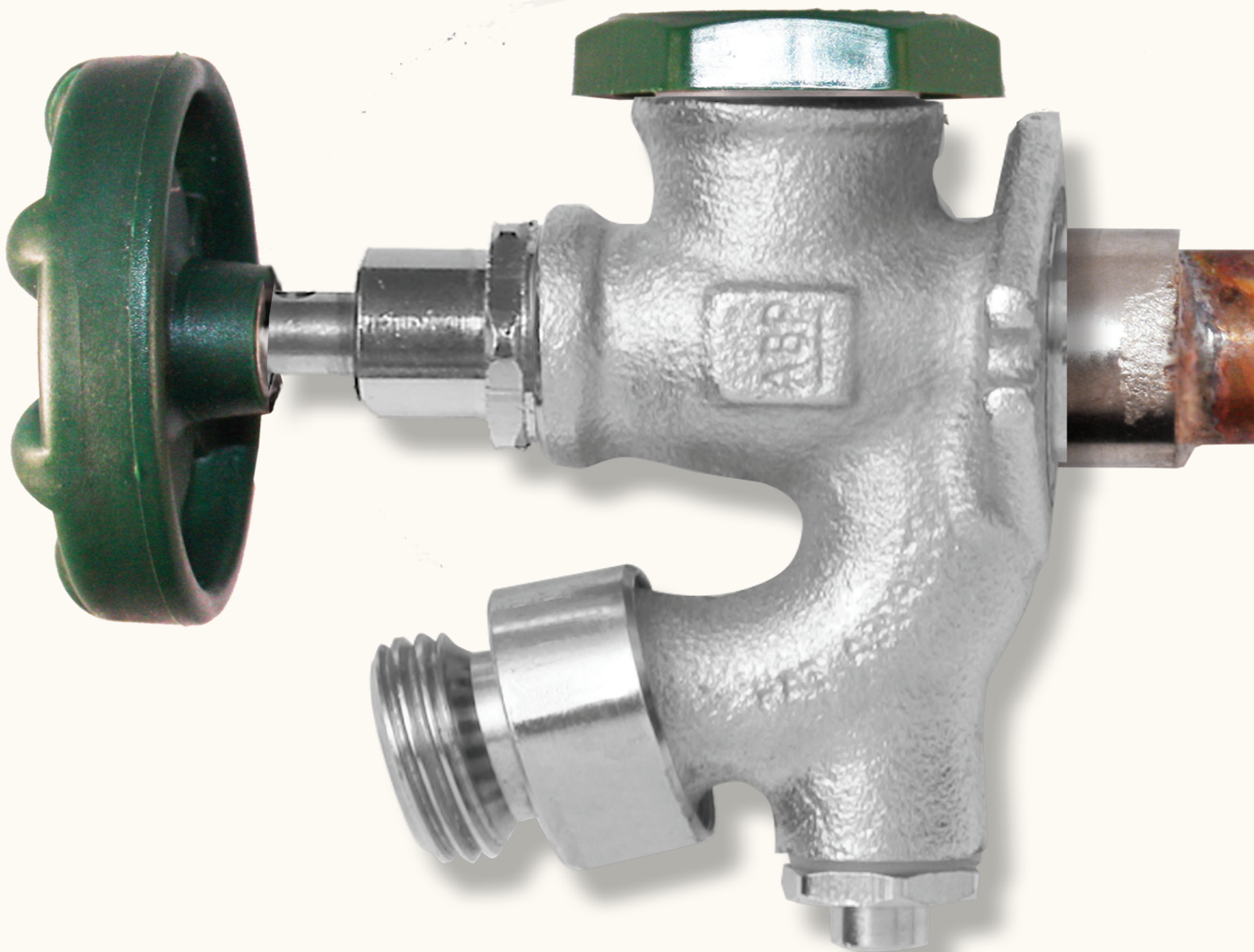
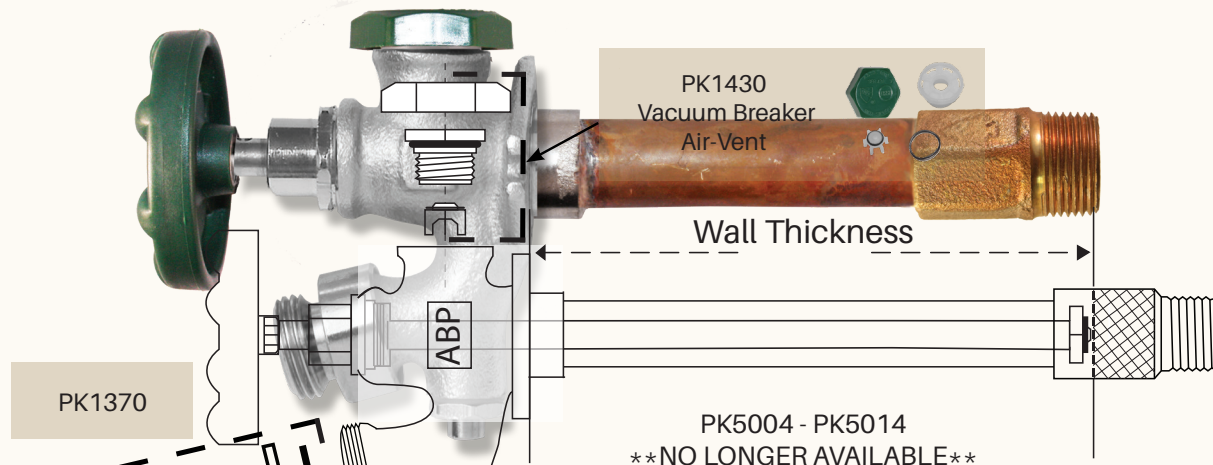


455BFP Apache Series
Wall Hydrant Repair Guide
(DISCONTINUED)



Discontinued 455BFP Apache Series Wall Hydrants



Discontinued 455BFP Series Hydrant Information

- Anti Siphon Frost-Free Wall Hydrant.
- **455BFP Apache Series- DISCONTINUED IN 2008**; hydrant no longer available.
- **IMPORTANT:** Always shut off faucet after use AND remove hose in order to drain the faucet and prevent freezing.
- Faucet should not be pressurized for more than 12 consecutive hours.
- Not designed for constant pressure applications (i.e. sprinkler & drip timers, "Y" Shut off...).
- When using self-closing nozzle, always relieve pressure after shut-off.

Repair

The 455BFP Apache Series has been discontinued since 2008.

Many replacement parts are no longer available. If these parts are required, it is suggested that the Apache series hydrants be replaced with a new hydrant model. Available part kits are below.

Leaking out of the Packing Nut or Bonnet

- Cause: worn out washer, seals or broken faucet

Leaking out of the Green Cap Air-Vent:
 • Cause: worn, broken or missing parts.
 • Repair by removing old parts & replacing with new parts from kit [PK1430]
 • Follow assembly drawing on next page.
 • If leak persists, ensure positive seal and cleaned reads; Do not use thread tape.

Leaking out of the Hose Vacuum Breaker:

- Cause: worn, broken or missing parts.
- Repair by removing old parts & replacing with new parts [PK1370].
- Use thread sealant when installing new part.

PK1000

Seat washer & screw, nylon washer & handle screw

- Cause: worn, broken or missing parts.
- Part Kit **PK1440 is no longer available.**
- A replacement wall hydrant is suggested.

PK1290

Green oval handle & stainless screw

PK1430

Includes green cap, holding plug, O-ring

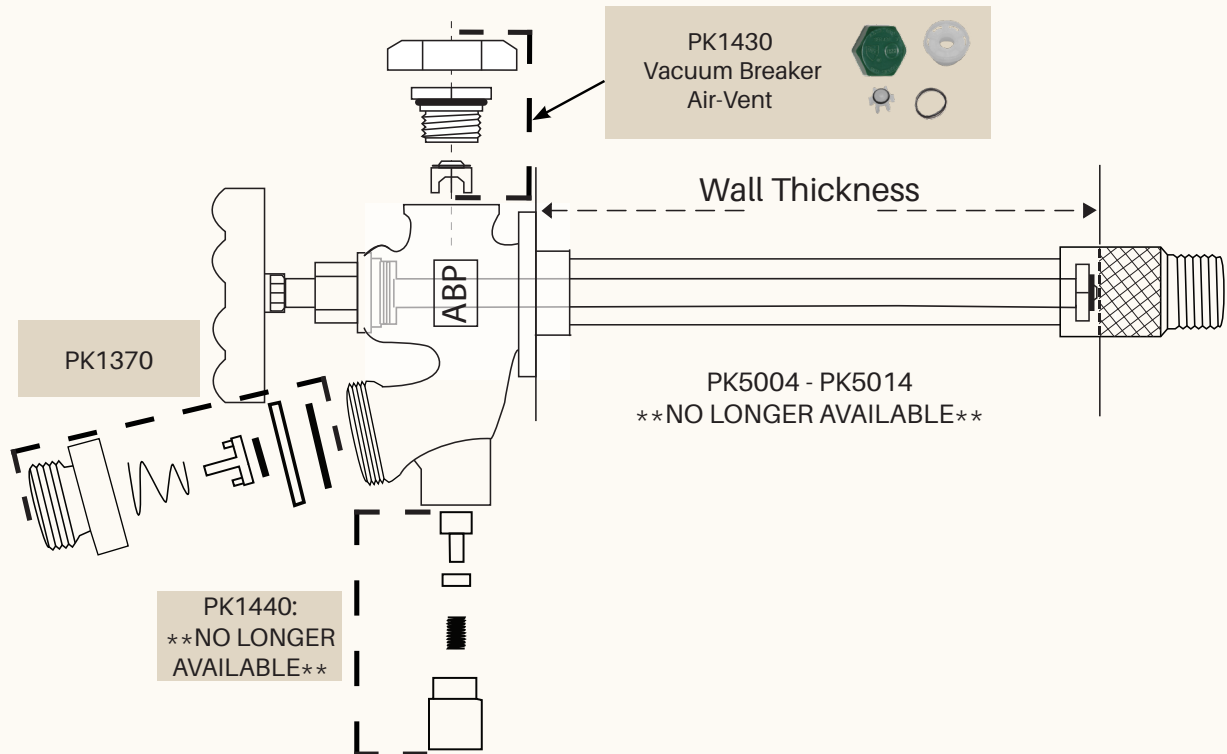
PK1370

Fine thread nickel plated vacuum breaker, PK- retail package

Discontinued 455BFP Apache Series Wall Hydrants



Repair & Replacement Parts



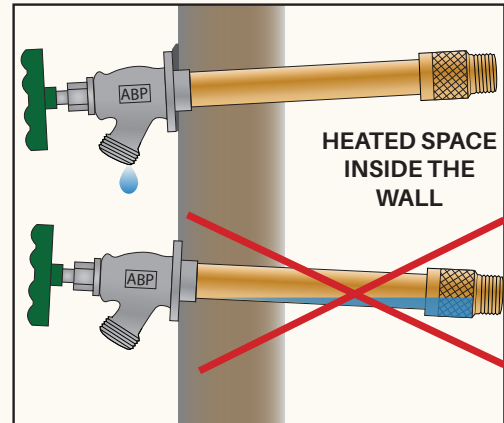
The 455BFP Apache Series has been discontinued since 2008. Many replacement parts are no longer available. If these parts are required, it is suggested that the Apache series hydrants be replaced with a new hydrant model. Available part kits are below.

Stem Rebuild Kit	Green Oval Handle & Screw	Air-Vent Assembly	Vacuum Breaker
# PK1000 Seat washer & screw, nylon washer & handle screw	# PK1290 Green oval handle & stainless screw	# PK1430 Includes green cap, housing, plunger, & O-ring	# PK1370 Fine thread nickel plated vacuum breaker- PK- retail package

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.

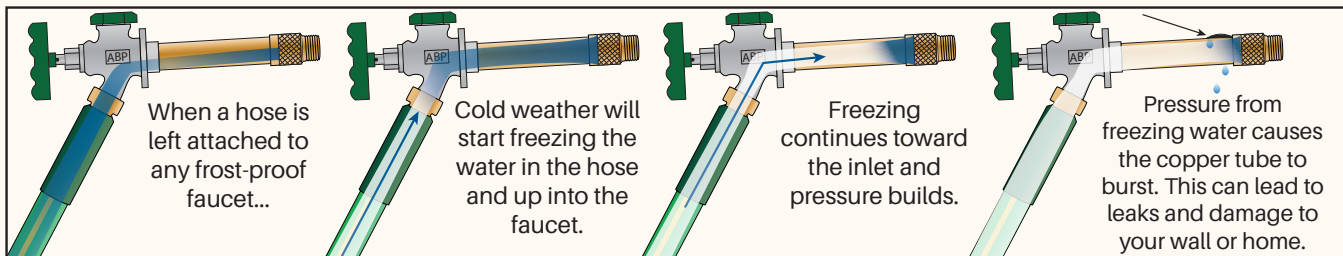


The only cause of a burst frost-proof hydrant is water expansion from freezing water inside an un-drained wall hydrant. Properly installed valves (with downward tilt) will always drain unless a hose or other device was left attached.



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.