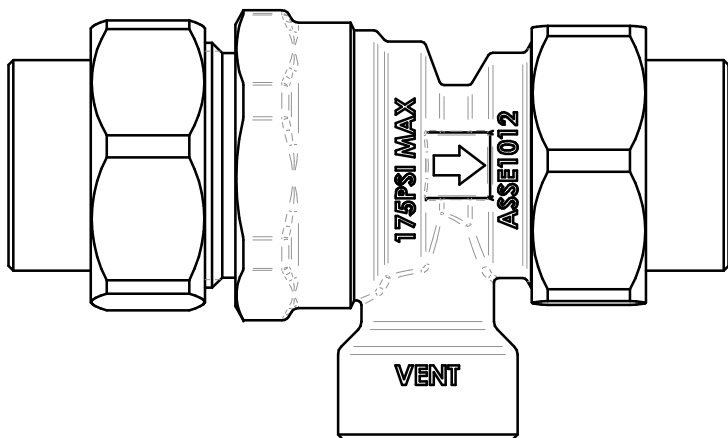


INSTALLATION AND OPERATION INSTRUCTIONS



1/2" - 3/4"
Model: DCAP4A & DCAP4ALF
4A400 & 4ALF400 SERIES

U.S. PAT. NO. 9,518,669 B2

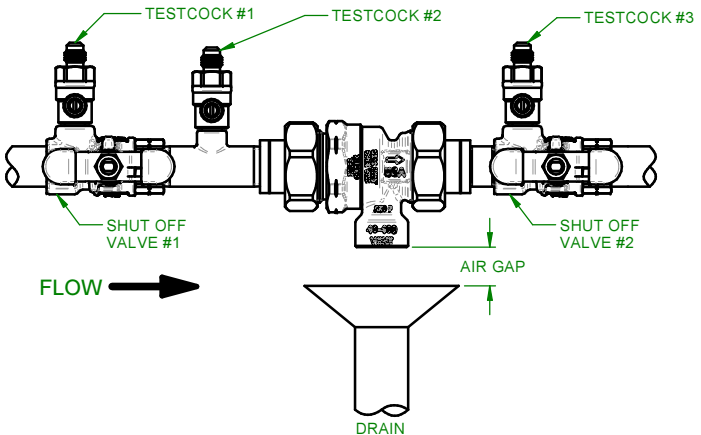
SAVE THESE INSTRUCTIONS

INSTALLATION INSTRUCTIONS

The Dual Check with Atmospheric Port should be installed where testing and repair can be easily done. Before installing this device, flush lines to remove sediment. Inspect mating pipe connection threads; they should be accurately threaded, clean and free of foreign material or metal shavings. Mount the Apollo 4A400/4ALF400 Series in line with arrows corresponding to the direction of flow. The device must be horizontal to allow drainage of the atmospheric port. Two to four wraps of PTFE pipe tape should be applied to the mating pipe connection threads. Once the valve is installed hand-tight, the typical wrench make-up is 1-1/2 full turns. Do not overtighten tailpieces when installing to male threaded pipe, as this can damage or distort the tailpieces.

-- CAUTION --

During normal operation spillage may occur from the vent port. **WHEN INSTALLING THE DEVICE, SUFFICIENT DRAINAGE TO COLLECT SPILLAGE FROM THE VENT PORT MUST BE PROVIDED.** This discharge may be extremely hot water and should be directed to a suitable area in accordance with local plumbing codes.



FIELD TESTING

For field testing, the Apollo 4A400/4ALF400 Series must be installed horizontally as shown with shutoff valves and testcocks. A flexible hose and miscellaneous fittings will also be needed.

TEST #1 (Testing the Air Vent)

The atmospheric vent must relieve pressure between both check valves if the supply pressure drops below the downstream pressure.

PROCEDURE

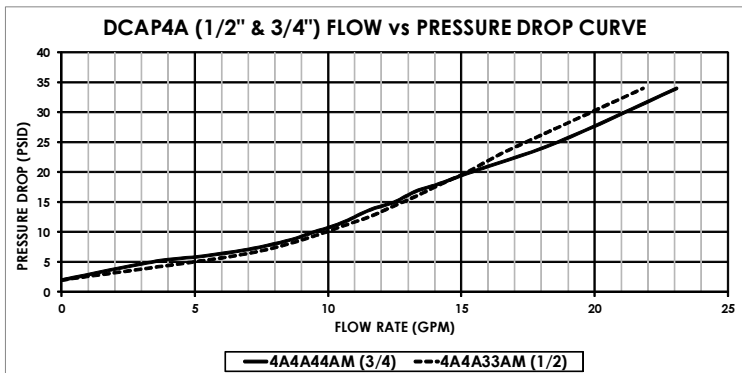
Pressurize system. Close shutoff valves #1 and #2. Open testcock #2. Spillage should occur out of the vent port indicating valve opening and vent port is open to atmosphere.

TEST #2 (Testing of Second Check Valve)

The second check must be drip tight against back pressure.

PROCEDURE

Pressurize system. Close shutoff valves #1 and #2. Open testcock #2. Spillage should occur as in TEST #1. Attach a flexible hose from testcock #1 to testcock #3 and open testcock #1 and #3 to admit pressure to the downstream side of the second check. Water must not drip continuously from vent. If water continues to drip from vent port the second check is leaking and should be repaired or replaced.



CALIFORNIA PROP 65: WARNING: Cancer and Reproductive Harm - www.P65Warnings.ca.gov

FOR NON-LEAD FREE VALVES: It is illegal to use this product in the United States for potable water services (water intended for human consumption).

FOR LEAD FREE VALVES: This product complies with U.S. Safe Drinking Water Act (SDWA). Suitable for potable water applications intended for human consumption.