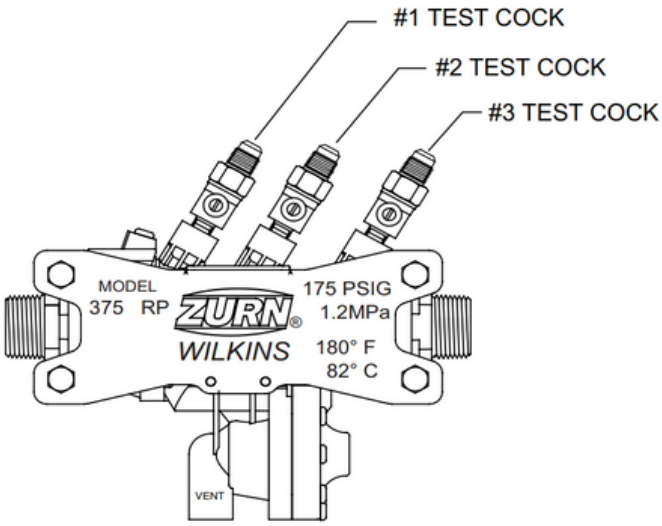
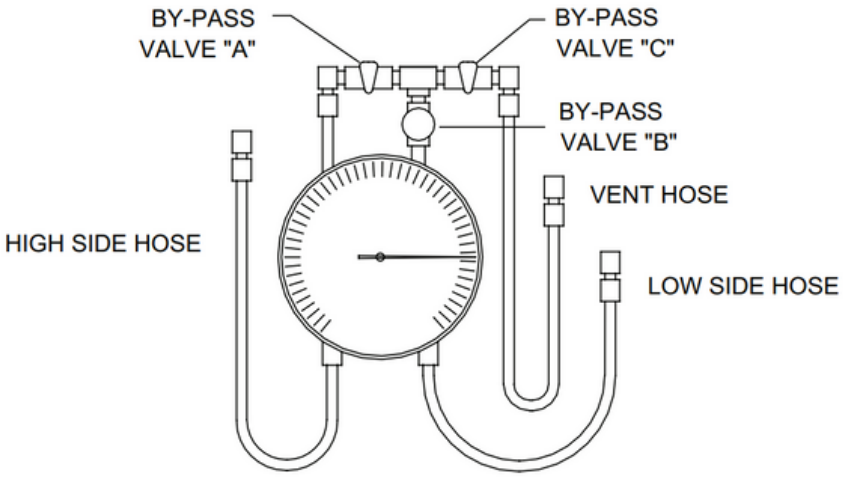
Backflow Valve Test Kit

Testing Procedures for 375LXL (20-25mm)





Please note:

All installation and testing procedures listed are intended as a guide only. Installation and testing should be in accordance with local standards and plumbing codes.

Zurn Industries, LLC | Wilkins
1747 Commerce Way, Paso Robles, CA U.S.A. 93446
In New Zealand | Deeco Services Ltd.
35 Wakefield Street, Alicetown 5010, New Zealand Ph. 04 568 5293

zurn.com.au | deeco.co.nz

Test No.1

Purpose:
Test #2 check valve for tightness against reverse flow.

Requirement:
The valve must close tight against reverse flow under all pressure differentials.

Procedure:

1. Attach the "HIGH" hose to test cock #1 and the "LOW" hose to test cock #2.
2. Close the downstream shut-off valve.
3. Open test cocks #1 and #2
4. Open by-pass valves “C” and “A” and bleed into the atmosphere until the air is expelled.
5. Close by-pass valve “A”. Open by-pass valve “B” and bleed to the atmosphere until all air is expelled. Close by-pass valves “B” and “C”.
6. Attach the “VENT” hose to test cock #3
7. Slowly open by-pass valves “A” and “C” and keep by-pass valve “B” closed.
8. Open test cock #3.
9. The indicated pressure differential will drop slightly. If the pressure differential does not continue to decrease, the deck #2 check valve is considered tight.

Test No.2

Purpose:
Test #1 check valve for tightness and record pressure drop across #1 check valve

Requirement:
The static pressure drop across the #1 check valve shall be greater than the relief valve opening point (test #3) and at least 35 kPa.

Procedure:

1. Close by-pass valve “A”
2. Close test cock #3, and disconnect the “VENT” hose from test cock #3.
3. Open by-pass valves “B” and “C” bleeding to the atmosphere, then close by-pass valve “B”, restoring the system to normal static condition.
4. Observe the pressure differential gauge and note this as the #1 check valve KPa differential.

Test No.3

Purpose:
To test the operation of the differential relief valve

Requirement:
The pressure differential relief valve must operate to maintain the “ZONE” between the two check valves at least 14Kpa less than the supply pressure.

Procedure:

1. Close by-pass valve “C” and open by-pass valve “A”.
2. Open by-pass valve “B” very slowly until the differential gauge needle drops. Hold the valve at this position and observe the gauge reading when the first discharge is noted from the relief valve. Record this as the opening differential pressure of the relief valve.

Wilkins Test Cocks

Product Code	Size	Description
18-860	3mm x 6mm (1/8" x 1/4")	Wilkins Test Cock BFP
14-860	6mm x 6mm (1/4" x 1/4")	Wilkins Test Cock BFP

Deeco Backflow Test Kit

Product Code	Size	Description
BFTK	ALL	Wilkins backflow test kit with quick connect hoses in carry case