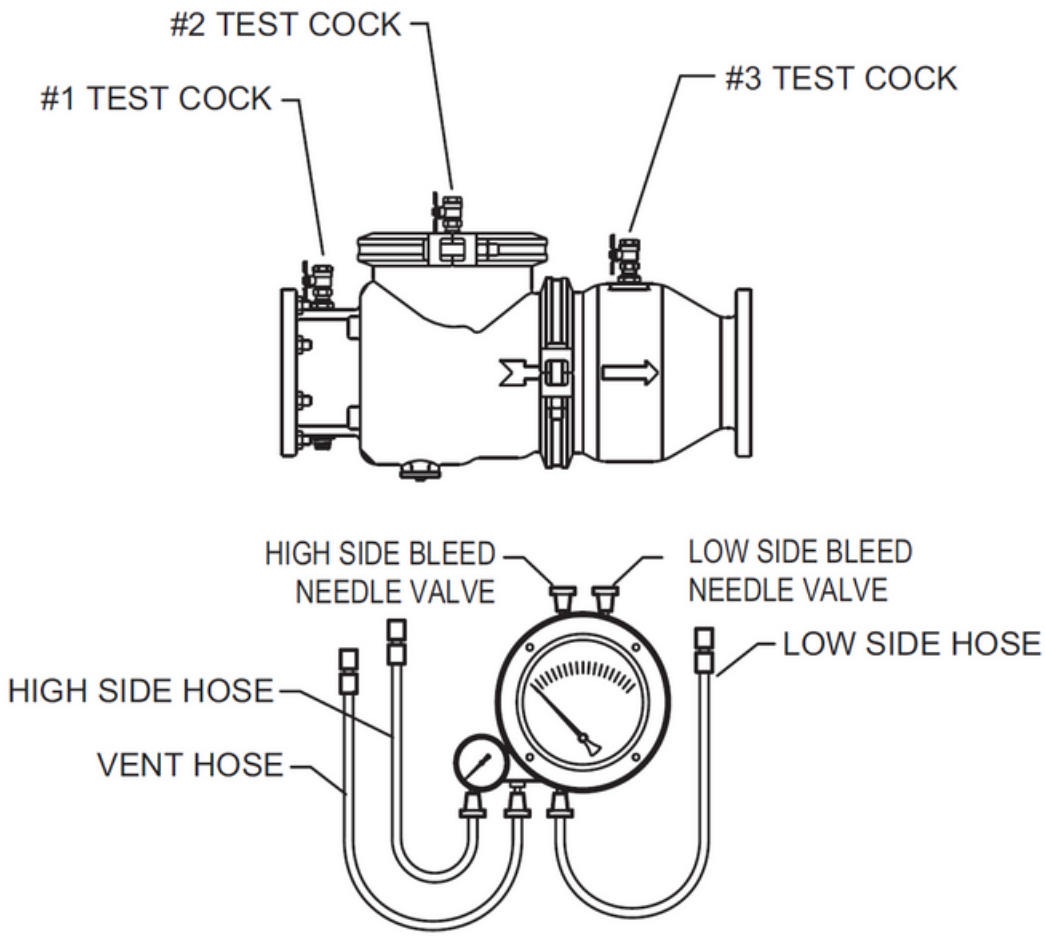
Backflow Valve Test Kit

Testing Procedures for 350L (65-250mm)



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 - Tightness of #1 Check Valve

Requirement:
The static pressure drop across check valve #1 shall be at least 7 KPa. If test cock #3 is not at the highest point of the check valve body, then a vertical tube must be installed on test cock #3 so that it rises to the top of the check valve body.

Procedure:

1. Slowly open all 3 test cocks to remove any foreign material and attach fittings.
2. Attach the hose from the high side of the test kit to the #1 test cock.
3. Open test cock #1 and bleed all air from the hose and gauge by opening the high side bleed needle valve. Close the #2 shut-off valve then close the #1 shut-off valve.
4. Hold the gauge at the same level as test cock #2. Slowly open test cock #2. Record the static pressure drop across check valve #1 after the gauge reading stabilizes and water stops running out of test cock #2.
5. Close all test cocks, open shut-off valve #1 and remove test equipment.

Note:
If you are using the duplex gauge method to test the value, you may see both needles drop simultaneously during test due to disc compression. The high side needle should eventually hold 14Kpa below low side needle if check is not fouled.

Test No.2 - Tightness of #2 Check Valve

Requirement:
The static pressure drop across check valve #2 shall be at least 7 Kpa.

Procedure:

1. Attach hose from the high side of the test kit to the #2 test cock.
2. Open test cock #2 and bleed all air from the hose and gauge by opening the high side bleed needle valve. Close high side bleed needle valve. Close #1 shut-off valve.
3. Hold gauge at same level as test cock #3 or water level in tube. Slowly open test cock #3. Record the static pressure drop across check valve #2 after gauge reading stabilizes and water stops running out of test cock #3.
4. Close all test cocks, slowly open shut-off valve #1 and #2 and remove test equipment.

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