

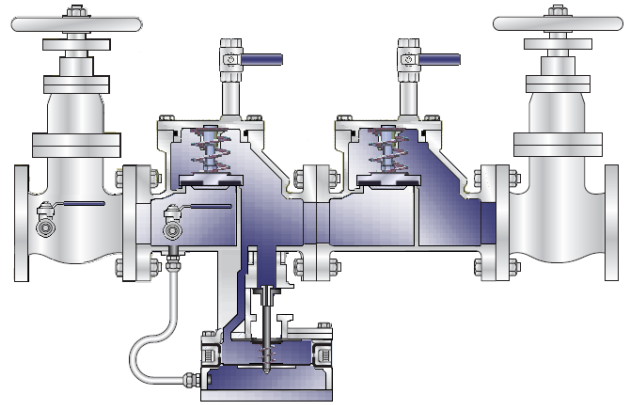
RPZ Test Procedures – Short Form

1. Preliminary Steps:

- a. Notify
- b. Identify
- c. Inspect
- d. Observe

2. Purge Test Cocks:

- a. Open # 4 test cock
- b. Open # 3 test cock
- c. Open # 2 test cock
- d. Open # 1 test cock
- e. Close # 1 test cock
- f. Close # 2 test cock
- g. Close # 3 test cock
- h. Close # 4 test cock



3. Close Valves on Gauge and Connect Hoses:

- a. Close all Valves on Gauge
- b. Install Fittings in test cocks using Teflon Tape
- c. Connect High Hose to # 2 test cock
- d. Connect Low Hose to # 3 test cock

4. Purge Air From Hoses and Obtain the Apparent Reading:

- a. Open # 3 test cock
- b. Open Low Bleed Valve, (Leave Running)
- c. Open # 2 test cock
- d. Open High Bleed Valve
- e. Close # 2 Shut Off Valve
- f. Close High Bleed Valve
- g. Close Low Bleed Valve
- h. Record Gauge Reading as the Apparent Reading, (AR)

5. Test # 1: Differential Pressure Relief Valve:

Test Requirement: Has to keep the Zone at Least 2 psi Less than Supply

- a. Open High Control, (High Control Remains On Throughout the Test)
- b. Place Hand Under Relief Valve Dump Port
- c. Open Low Control, (Establish a Slow Steady Drop of the Pointer)
- d. When the Pointer Stops and Water is Dripping on Hand, Read the Gauge
- e. Close the Low Control, (Low Control Remains Closed)
- f. Record the reading as the Relief Valve Opening Point, (RVOP)
- g. Evaluate Reading, (2 psi or more – pass; less than 2 psi – fail)

**6. Test # 2: Check # 2 Check Valve for Tightness Against Backpressure:
Test Requirement: Must Hold Tight Against Backpressure**

- a. Connect Bypass hose loosely to # 4 test cock
- b. Open Bypass Valve on Gauge to purge Air from Hose
- c. When Air Has Been Purged:
 1. Close Bypass Valve
 2. Tighten Loose Connection
 3. Open # 4 test cock
- d. Normalize the Zone, (Open Low Bleed, Peg the Gauge, Close Low Bleed)
- e. Perform the Test, (Open Bypass Valve)
- f. Evaluate Gauge Reading, (Gauge Reading must be above the RVOP)
- g. Record the reading

7. Test # 3: # 1 Check Valve, (Bleed and Read):

Test Requirement: Must Be Above the RVOP and in No Case Less Than 5 psi

Jurisdictional Test Requirement: Should Be At Least 3 psi More Than the RVOP

- a. Open Low Bleed
- b. Peg the Gauge
- c. Close Low Bleed
- d. Read the Gauge
- e. Evaluate Gauge Reading, (Must be above the RVOP and at Least 5 psi)
Jurisdictional Evaluation: (# 1 Check Valve **should** be at least 3 psi more than the RVOP, However, a reading of less than 3 psi above the RVOP does not indicate a leaking check valve.)
- f. Record the reading

8. Remove Equipment:

- a. Close test cocks
- b. Open # 2 Shut Off Valve
- c. Disconnect hoses
- d. Open All Valves on Gauge and Drain Gauge
- e. Remove Fittings
- f. Place Gauge, Hoses and Fittings in Box
- g. Complete the Test Repair Form and File Appropriately

