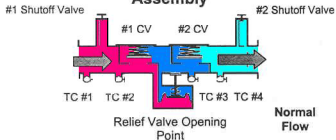


RP TEST PROCEDURES

per Ninth Edition of FCCC&HR (USC) Manual

Reduced Pressure Principle Assembly



Protects against **backsiphonage** and **backpressure**

Protects against **pollutants** and **contaminants**

Must be at least 12" above grade with 24" clearance on test cock side.

Has two check valves, a mechanically independent pressure differential relief valve, two shutoff valves, four test cocks.

NOTIFY ☆ IDENTIFY ☆ INSPECT ☆ OBSERVE

TEST NO. 1: RELIEF VALVE OPENING

1. Open Test Cock #4, open and flush Test Cocks #1, #2 (slowly), #3.
2. Close Test Cock #4.
3. Attach hose from the high side of the gauge to Test Cock #2.
4. Attach hose from the low side of the gauge to Test Cock #3.
5. Open Test Cock #3, then the Low Side needle valve. Keep it open.
6. Open Test Cock #2 slowly, then the High Side needle valve slowly.
7. Close the High Side needle valve, close the Low Side needle valve.
8. Close the #2 Shutoff Valve. Observe the apparent pressure drop across #1 Check Valve, **make note on paperwork**.
9. Install bypass hose between High Side and Low Side needle valve. Open the Low Side needle valve. Bleed the air by loosening the hose at the High Side needle valve. Tighten the hose connection and close the Low Side needle valve.
10. Open the High Side needle valve one full turn, then slowly open the Low Side needle valve no more than $\frac{1}{4}$ turn. Put hand under the relief valve. When it drips, **record the reading**. Must be 2 psid or higher.
11. Close the High Side and Low Side needle valves.

TEST NO. 2: #2 CHECK VALVE

1. Install bypass hose between High Side needle valve and Test Cock #4. Open the High Side needle valve, then bleed the air by loosening the hose connection at Test Cock #4. Tighten the hose connection. Close the High Side needle valve.
2. Open the Low Side needle valve to reestablish pressure within the zone. When gauge is above apparent pressure drop reading, close the Low Side needle valve.
3. Open Test Cock #4, then open the High Side needle valve. If the relief valve does not drip, **record second check valve as "closed tight"**. HS & BYPASS STAY OPEN

TEST NO. 3: #1 CHECK VALVE

1. Open the Low Side needle valve to reestablish #1 check valve differential. Close the Low Side Needle valve. **Record the Actual Pressure Differential**.
2. Close test cocks and remove test equipment. Slowly open Shutoff Valve #2.