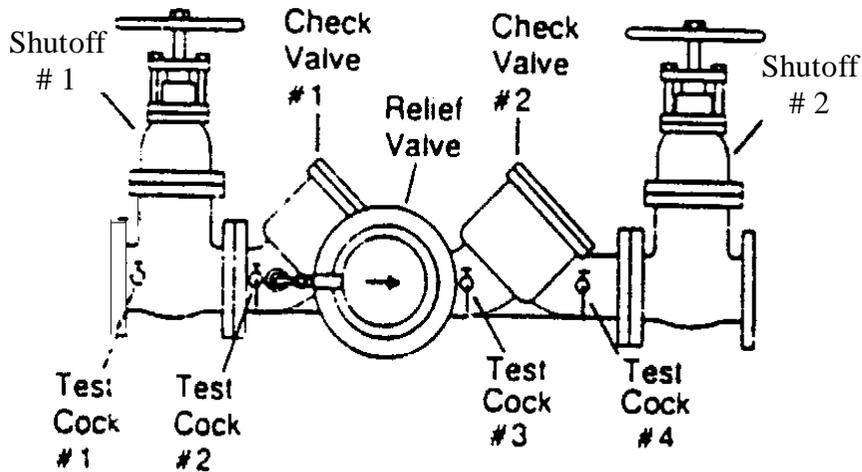


### TESTING REDUCED PRESSURE BACKFLOW PREVENTERS

- 1) BLEED TEST PORTS TO REMOVE ANY DEBRIS, BLEEDING IN SEQUENCE 4, 3, 2, 1 OR 4, 1, 2, 3, LEAVING # 4 TEST PORT DRIPPING TO HELP PREVENT OPENING OF RELIEF VALVE
- 2) CLOSE ALL VALVES ON TESTER
- 3) CLOSE SHUT-OFF VALVE # 2
- 4) ATTACH HIGH HOSE TO TEST PORT # 3
- 5) ATTACH LOW HOSE TO TEST PORT # 4
- 6) OPEN TEST PORTS # 3 AND # 4
- 7) BLEED ALL AIR FROM HOSES AND TESTER, BLEEDING LOW SIDE LAST TO ESTABLISH PRESSURE DIFFERENTIAL. CLOSE BLEEDERS SLOWLY
- 8) GAUGE MUST INDICATE AT LEAST 1.0 PSID. (REPORT # 2 CHECK VALVE SPRING LOADING ON FORM)
- 9) CLOSE TEST PORTS AND REMOVE TEST EQUIPMENT
- 10) ATTACH HIGH HOSE TO TEST PORT # 2
- 11) ATTACH LOW HOSE TO TEST PORT # 3
- 12) OPEN TEST PORTS # 2 AND # 3
- 13) BLEED AIR FROM TESTER AND HOSES
- 14) LOOSLY ATTACH BYPASS HOSE TO TEST PORT # 4. CRACK OPEN HIGH AND BYPASS VALVES ON TESTER TO BLEED AIR FROM BYPASS HOSE
- 15) WITH WATER SEEPING FROM BYPASS HOSE, TIGHTEN BYPASS HOSE CONNECTION, FULLY OPEN HIGH & BYPASS VALVES, AND OPEN TEST PORT # 4
- 16) GAUGE MUST NOT DROP TO A POINT THAT RELIEF VALVE OPENS. IF IT DOES, CHECK VALVE # 2 IS LEAKING. (REPORT LEAKING OR TIGHT CHECK VALVE # 2 ON FORM)



## REDUCED PRESSURE DEVICE

- 17) CLOSE TEST PORT # 2. GAUGE MUST HOLD STEADY AND NOT DROP TO 0. IF IT DOES SO, SHUT-OFF VALVE # 2 IS LEAKING. (REPORT LEAKING OR TIGHT SHUT-OFF VALVE # 2 ON FORM) THE UNIT CANNOT BE ACCURATELY TESTED IF THERE IS FLOW THROUGH IT. SEE TEXT FOR TESTING AN RP WHEN THERE IS A SLIGHTLY LEAKING SHUT-OFF VALVE # 2.
- 18) CLOSE TEST PORT # 4
- 19) CLOSE ALL VALVES ON TESTER AND REMOVE BYPASS HOSE
- 20) OPEN TEST PORT # 2
- 21) BLEED LOW SIDE TO REESTABLISH DIFFERENTIAL PRESSURE
- 22) GAUGE MUST HOLD STEADY AT 5.0 PSID OR HIGHER. IF SO, CHECK VALVE # 1 IS HOLDING TIGHT. (REPORT LEAKING OR TIGHT CHECK VALVE # 1 ON FORM) (REPORT CHECK VALVE # 1 SPRING LOADING IN BOTH INDICATED PLACES ON FORM)
- 23) CLOSE ALL VALVES ON TESTER
- 24) OPEN HIGH VALVE ON TESTER
- 25) VERY SLOWLY OPEN LOW VALVE ON TESTER
- 26) FEEL FOR THE FIRST DRIP FROM THE RELIEF VALVE WHILE WATCHING THE GAUGE. (REPORT RELIEF VALVE OPENING PRESSURE IN BOTH INDICATED PLACES ON FORM)
- 27) SUBTRACT RELIEF VALVE OPENING PRESSURE FROM CHECK VALVE # 1 SPRING TENSION TO DETERMINE PSID IN REDUCED PRESSURE ZONE. THIS MUST BE AT LEAST 3 PSID
- 28) CLOSE ALL VALVES ON TESTER, CLOSE TEST PORTS # 2 & # 3, REMOVE TEST EQUIPMENT AND RETURN DEVICE TO ORIGINAL CONDITION