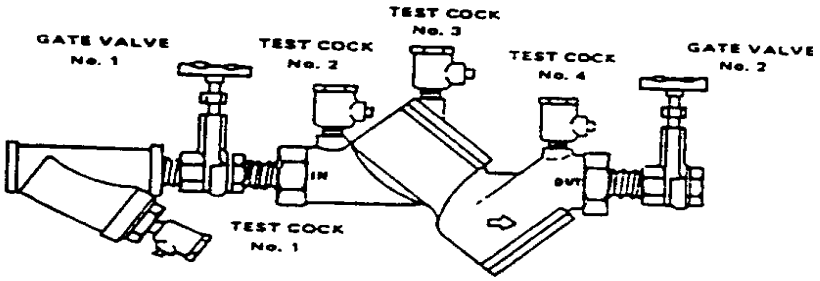

DOUBLE CHECK VALVE

TESTING DOUBLE CHECK VALVE ASSEMBLIES

1) BLEED TEST PORTS TO REMOVE ANY DEBRIS
2) CLOSE ALL VALVES ON TESTER
3) CLOSE SHUT-OFF VALVE # 2
4) ATTACH HIGH HOSE TO TEST PORT # 2
5) ATTACH LOW HOSE TO TEST PORT # 3 AND OPEN BOTH
6) BLEED AIR FROM HOSES AND TESTER, BLEEDING LOW SIDE LAST. GAUGE SHOULD READ AT LEAST 1.0 PSID
7) LOOSELY ATTACH BYPASS HOSE TO TEST PORT # 4. CRACK OPEN HIGH AND BYPASS VALVES ON TESTER TO BLEED AIR FROM BYPASS HOSE
8) WITH WATER SEEPING FROM BYPASS HOSE, TIGHTEN BYPASS HOSE CONNECTION, FULLY OPEN HIGH & BYPASS VALVES, AND OPEN TEST PORT # 4 GAUGE MUST NOT DROP TO ZERO, IF IT DOES, CHECK VALVE #2 IS LEAKING.
9) CLOSE TEST PORT # 2. GAUGE MUST NOT DROP TO 0. IF IT DOES, # 2 SHUT-OFF VALVE IS LEAKING AND MUST BE REPAIRED BEFORE TEST CAN BE COMPLETED. (REPORT LEAKING OR TIGHT SHUT-OFF VALVE # 2 ON FORM)
10) CLOSE TEST PORT # 4 AND OPEN TEST PORT # 2
11) CLOSE ALL VALVES ON TESTER
12) REMOVE BYPASS HOSE, LEAVING HIGH AND LOW HOSES IN PLACE
13) BLEED THROUGH LOW SIDE TO ESTABLISH DIFFERENTIAL PRESSURE
14) GAUGE SHOULD INDICATE A PSID OF AT LEAST 1.0 OR HIGHER. IF PRESSURE DROPS TO 0, CHECK VALVE # 1 IS LEAKING. (REPORT LEAKING OR TIGHT CHECK VALVE # 1 ON FORM)
15) IF GAUGE HOLDS STEADY AT LESS THAN 1.0 PSID, SPRING LOAD IS TOO WEAK. (REPORT CHECK VALVE # 1 SPRING LOADING ON FORM)
16) CLOSE ALL VALVES ON TESTER
17) CLOSE TEST PORTS # 2 AND # 3
18) MOVE LOW HOSE TO TEST PORT # 4 AND HIGH HOSE TO TEST PORT # 3
19) OPEN TEST PORTS # 3 AND # 4
20) BLEED AIR FROM HOSES AND TESTER, BLEEDING LOW SIDE LAST TO ESTABLISH DIFFERENTIAL PRESSURE
21) GAUGE MUST SHOW 1.0 PSID OR HIGHER. IF GAUGE DROPS TO 0, CHECK VALVE # 2 IS LEAKING. (REPORT LEAKING OR TIGHT CHECK VALVE # 2 ON FORM)
22) IF GAUGE HOLDS AT LESS THAN 1.0 PSID, SPRING IS TOO WEAK. (REPORT CHECK VALVE # 2 SPRING LOADING ON FORM)
23) CLOSE ALL VALVES ON TESTER, CLOSE TEST PORTS # 3 & # 4, REMOVE TEST EQUIPMENT AND RETURN DEVICE TO ORIGINAL CONDITION