

Reduced Pressure Principle FIELD TEST

- Prep NOTIFY CUSTOMER
INSPECT AREA
FLUSH TESTCOCKS (**open 4, 3, 2, 1, then close 1, 2, 3, 4**)
INSTALL FITTINGS
INSPECT TEST KIT - CLOSE ALL NEEDLE VALVES
- Observe CV 1 ATTACH HIGH HOSE TO TESTCOCK 2
ATTACH LOW HOSE TO TESTCOCK 3
OPEN TESTCOCK 3 SLOWLY then OPEN LOW BLEED
OPEN TESTCOCK 2 **SLOWLY** then OPEN HIGH BLEED
CLOSE BLEEDS - HIGH FIRST, LOW LAST
CLOSE OUTLET SHUT-OFF VALVE
OBSERVE CV 1 - (RECORD as CLOSED TIGHT or LEAKING)
- Record Relief Valve OPEN HIGH CONTROL VALVE 1 FULL TURN
OPEN LOW CONTROL **SLIGHTLY** - NO MORE THAN 1/4 TURN
RECORD RV OPENING > or = 2.0 psi
CLOSE LOW CONTROL
- Observe CV 2 Leaks or closed tight BLEED VENT (BY-PASS) HOSE
ATTACH VENT HOSE TO TESTCOCK 4
CLOSE VENT (BY-PASS) CONTROL
OPEN TESTCOCK 4
RESET GAUGE - (LOW BLEED) to re-establish differential pressure across CV #1
OPEN VENT CONTROL ONE FULL TURN
OBSERVE WHETHER RELIEF VALVE VENT DRIPS
(*IF THE RELIEF VENT DRIPS, RESET GAUGE [low bleed], IF RELIEF VALVE DRIPS A **SECOND TIME**, THEN CHECK VALVE 2 HAS FAILED AND MUST BE REPAIRED*)
CLOSE VENT (BY-PASS) CONTROL **ONLY** IF CV 2 LEAKS
(RECORD as CLOSED TIGHT or LEAKING)
- Record CV 1 RESET GAUGE - (LOW BLEED) to relieve disk compression
RECORD CV 1 DIFFERENTIAL (min. 5.0 psi and > RV opening)
- Record Outlet Shutoff Valve CLOSE TESTCOCK 2 – **WAIT** & CHECK GAUGE FOR LEAKS IN OUTLET SHUTOFF VALVE
(RECORD as CLOSED TIGHT or LEAKING)
- If there is NO flow through the assembly, continue to next test.**
- Record CV 2 CLOSE VENT CONTROL
CLOSE TESTCOCKS 3 & 4
REMOVE VENT HOSE FROM TESTCOCK 4
MOVE LOW HOSE TO TESTCOCK 4
MOVE HIGH HOSE TO TESTCOCK 3
OPEN TESTCOCK 4 SLOWLY then OPEN LOW BLEED
OPEN TESTCOCK 3 SLOWLY then OPEN HIGH BLEED
CLOSE HIGH BLEED FIRST, CLOSE LOW BLEED SLOWLY
RECORD CV 2 DIFFERENTIAL > or = 1.0 PSI
- Final CLOSE TESTCOCKS - REMOVE ALL EQUIPMENT
OPEN ALL NEEDLE VALVES ON TEST KIT
OPEN OUTLET SHUT-OFF VALVE SLOWLY