5 Valve Test on an ASSE 1020

	(PVB) Field Testing Requirements
Flush TCs	1. Install test adapters (if applicable) 2. Open TC #1 - close 3. Open TC #2 - close 4. Remove air-inlet canopy/hood
Attach Test Kit	1. Close high, low and bypass valves and high and low bleed valves on test kit 2. Attach high hose to TC #1 3. Attach low hose to TC #2 4. Open TC #1 5. Open high valve - bleed air - close 6. Open TC #2 7. Open low valve - bleed air - close
Test #1	**Tightness of #2 Shutoff Valve** 1. Close #2 shutoff valve 2. Open high valve 3. Open low valve (differential will read zero) 4. Close high valve 5. Close low valve 6. Close #1 shutoff valve
TEST RESULTS	If differential gauge reading does not rise above zero (0), record #2 shutoff valve is tight.
Test #2	**Tightness of the Check Valve** 1. Open #1 shutoff valve 2. Open low bleed valve - close low bleed valve
TEST RESULTS	If differential gauge reading holds steady at 1 psid or higher, record the check valve as tight.

	Air Inlet Opening
Test #3	1. Close TC #1 and TC #2 2. Remove hoses from TC #1 and TC #2 3. Attach high hose to TC #2 4. Open TC #2 5. Open high bleed valve - bleed air - close 6. Center differential gauge at TC #2 7. Close #1 shutoff valve 8. Open high bleed valve and record differintial gauge reading when the air inlet opens
TEST RESULTS	Record gauge value. If air inlet is visibly open when differential gauge reading is 1 psid or higher, record valve as passed.
Restore System	1. Close TC #2 2. Remove high hose 3. Open all valves on test kit to drain water 4. Restore to pre-test state 5. Replace air-inlet canopy/hood

3 Valve Test on an ASSE 1020 PVB

	(PVB) Field Testing Requirements
Flush TCs	1. Install test adapters (if applicable) 2. Open TC #1 - close 3. Open TC #2 - close 4. Remove air-inlet canpoy/hood
Attach Test Kit	1. Close high and low valves and open bypass valve on test kit 2. Attach high hose to TC #1 3. Attach low hose to TC #2 4. Open TC #1 5. Open high valve - bleed air - close 6. Open TC #2 7. Open low valve - bleed air - close
Test #1	**Tightness of #2 Shutoff Valve** 1. Close #2 shutoff valve 2. Close bypass valve 3. Open high valve 4. Open low valve (differential will read zero) 5. Close high valve 6. Close low valve 7. Close #1 shutoff valve
TEST RESULTS	If differential gauge reading does not rise above zero (0), record #2 shutoff valve as tight.
Test #2	**Tightness of the Check Valve** 1. Open #1 shutoff valve 2. Open bypass valve 3. Open low valve, bleed, close low valve
TEST RESULTS	If there is a differential gauge reading of 1 psid or higher after reading stabilizes, record check valve as tight.

Test #3	**Air Inlet Opening** 1. Close TC #1 and TC #2 2. Remove hoses from TC #1 and TC #2 3. Attach high hose to TC #2 4. Open TC #2 5. Open high valce - bleed air - close 6. Center differential gauge at TC #2 7. Close #1 shutoff 8. Open high valve and record differential gauge reading when the air inlet opens
TEST RESULTS	If air inlet is visibly open when differential gauge reading is 1 psid or higher, record valve as passed.
Replace Air Inlet Canopy/Hood	
Restore System	1. Close TC #2 2. Remove high hose 3. Open all valves on test kit to drain water 4. Restore to pre-test state 5. Replace air-inlet canopy/hood