

5 Valve Test on an ASSE 1013

Flush Test Cocks (TC)	(RP/RPF) Field Testing Requirements	
	1. Install test adapters (if applicable)	
	2. Open TC #4 - let trickle	
	3. Open TC #1 - close	
	4. Open TC #2 - close	
	5. Open TC #3 - close	
Attach Test Kit	6. Close TC #4	
	1. Close high, low and bypass valves and high and low bleed valves on test kit	
	2. Attach high hose to TC #2	
	3. Attach low hose to TC #3	
	4. Open TC #2	
	5. Open high bleed valve - bleed air - close	
	6. Open TC # 3	
	7. Open low bleed valve - bleed air - close	
	8. Attach bypass hose to TC #4	
	9. Open high valve	
	10. Open bypass valve	
	11. Loosen bypass hose at TC #4 - bleed air - tighten	
	12. Slowly open low bleed valve to cause differential gauge reading to rise - close	
Test #1	Tightness of the #2 Shutoff Valve	
	1. Close #2 shutoff valve	
	2. Open TC #4	
	3. Close TC #2	
	4. Read differential gauge	
TEST RESULTS		
If differential gauge reading remains steady, record #2 shutoff valve as tight.		
Test #2	#2 Check w/ Backpressure Test	
	If differential gauge reading remains steady in Test #1, record #2 check valve as tight.	

Test #3	#1 Check Differential	
	1. Close bypass valve	
	2. Open TC #2	
	3. Open low bleed valve to cause reading to increase	
	4. Close low bleed valve	
TEST RESULTS		
Record gauge value.		
Record the pressure differential across #1 check valve. If the differential gauge reading is 5 psid or above, record #1 check valve as tight.		
Test #4	Relief Valve Opening	
	1.	Slowly open low valve
TEST RESULTS		
The relief valve must drip when the differential gauge reading is 2 psid or above.		
Restore System		
1. Close all TCs		
2. Remove hoses		
3. Open all valves on test kit to drain water		
4. Restore #2 shutoff valve to pre-test state		



3 Valve Test on an ASSE 1013

Flush Test Cocks (TC)	(RP/RPF) Field Testing Requirements
	<ol style="list-style-type: none"> 1. Install test adapters (if applicable) 2. Open TC #4 - let trickle 3. Open TC #1 - close 4. Open TC #2 - close 5. Open TC #3 - close 6. Close TC #4
Attach Test Kit	<ol style="list-style-type: none"> 1. Close high and low valves and open bypass valve on test kit 2. Attach high hose to TC #2 3. Attach low hose to TC #3 4. Open TC #2 5. Open high valve - bleed air - close 6. Open TC #3 7. Open low valve - bleed air - close 8. Attach bypass hose to TC #4 9. Open low valve 10. Loosen bypass hose at TC #4 - bleed air - tighten 11. Close low valve 12. Open high valve
Test #1	Tightness of the #2 Shutoff Valve
	<ol style="list-style-type: none"> 1. Close #2 shutoff valve 2. Open TC #4 3. Close TC #2 4. Read differential gauge
TEST RESULTS	
If the differential gauge reading remains steady, record #2 shutoff valve as tight.	
Test #2	#2 Check w/ Backpressure Test
	If the differential gauge reading remains steady in Test #1 record #2 check valve as tight.
Test #3	#1 Check Differential
	<ol style="list-style-type: none"> 1. Close TC #4 2. Close high valve 3. Remove bypass hose from TC #4 4. Open TC #2 5. Open low valve to cause differential gauge reading to increase 6. Close low valve

TEST RESULTS	
Record gauge value.	
Record the pressure differential across #1 check valve	
If the differential gauge reading is 5 psid or above, record #1 check valve as tight.	
Test #4	Relief Valve Opening
	<ol style="list-style-type: none"> 1. Close bypass valve 2. Open high valve 3. Slowly open low valve
TEST RESULTS	
Record relief valve psid opening point. The relief valve must drip when the differential gauge reading is 2 psid or above.	
Restore System	
<ol style="list-style-type: none"> 1. Close all TCs 2. Remove hoses 3. Open all valves on test kit to drain water 4. Restore #2 shutoff valve to pre-test condition 	

