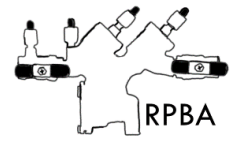
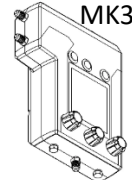


RPBA Test Using a MAKO MK3 3-Valve Test Kit, per USC FCCCHR Manual 10

Step	Procedure	
1.	NOTIFY OWNER , identify, inspect, & observe assembly.	 <p>RPBA</p>
2.	OPEN TEST COCKS <ol style="list-style-type: none"> a. Open and leave open Test Cock (TC) #4, then TC #3, TC #2, and finally TC #1 b. Fully close TC #1, TC#2, TC #3, and TC #4 Note: If needed, install appropriate fittings to test cocks	
3.	ATTACH TEST KIT <ol style="list-style-type: none"> a. Verify MK3 is turned on and captured values are cleared (Hold Down the Back Button) b. Close all MK3 test kit valves c. Connect high side hose from MK3 to TC #2 d. Connect low side hose from MK3 to TC #3 	
4.	BLEED AIR FROM HOSES <ol style="list-style-type: none"> a. Slowly open TC #3 fully b. Open bypass valve approximately 1 turn, then open low side valve (leave open) c. Slowly open TC #2 fully, then open high side valve (leave open) 	
5.	ISOLATE <ol style="list-style-type: none"> a. Close #2 shutoff valve b. Close high side valve c. Wait for MK3 psid reading to stabilize, then slowly close the low side valve d. Close the bypass valve e. If relief valve doesn't open, NOTE the reading as the apparent differential pressure across the #1 Check Valve 	
6.	TEST RELIEF VALVE <ol style="list-style-type: none"> a. Open high side valve approximately 1 turn b. Slowly Open low side valve <i>no more than ¼ turn</i> c. <u>RECORD psid reading (Press the Capture Button) at first discharge of water from the Relief Valve</u> d. Close low side valve 	
7.	TEST #2 CHECK VALVE <ol style="list-style-type: none"> a. Maintain #2 shutoff valve in closed position and MK3 high side valve in open position b. Attach bypass hose to bypass valve on MK3 c. Bleed air from the bypass hose by opening the bypass valve, then close the bypass valve d. Attach the bypass hose from the MK3 to TC #4, then fully open TC #4 e. Loosen low side hose on TC #3 f. Once the reading exceeds the apparent differential pressure across #1 Check Valve, g. Slowly tighten the low side hose on TC #3 h. Open the bypass valve and wait for psid reading to stabilize: i. <u>RECORD the #2 Check Valve as "closed tight" (relief valve closed) or "leaked" (relief valve opens)</u> 	
8.	TEST #1 CHECK VALVE (Static differential pressure across #1 check valve must be greater than the relief valve opening point AND at least 5.0 psid) <ol style="list-style-type: none"> a. With bypass hose still connected to TC #4 and high side and bypass valves remaining open, b. Loosen low side hose on TC #3 until reading exceeds the apparent differential pressure across #1 Check Valve c. Slowly tighten the low side hose on TC #3 d. Once the reading stabilizes: e. <u>RECORD psid reading (Press the Capture Button) across #1 Check Valve</u> 	
9.	REMOVE EQUIPMENT <ol style="list-style-type: none"> a. Close all test cocks, remove all test equipment and fittings b. Slowly open #2 shutoff valve c. Open the high, low, and bypass valves; drain water from hose(s) d. Notify owner e. Fill out test report 	 <p>MK3</p>



Scan QR code to see this test being performed