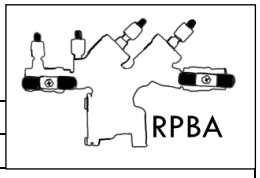
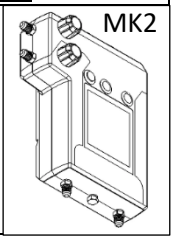
RPBA Test Using a Mako MK2 2-Valve Test Kit, per USC FCCCHR Manual 10



Step	Procedure
1.	**NOTIFY OWNER**, identify, inspect, & observe assembly.
2.	**OPEN TEST COCKS** 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** a. Verify MK2 is turned on and captured values are cleared (Hold Down the Back Button) b. Close all MK2 test kit valves c. Connect high side hose from MK2 to TC #2 d. Connect low side hose from MK2 to TC #3 e. Connect bypass hose to low side bleed valve on MK2
4.	**BLEED AIR FROM HOSES** a. Slowly open TC #3 fully, then open low side bleed valve (leave open) b. Slowly open TC #2 fully, then open high side bleed valve (leave open)
5.	**ISOLATE** a. Close #2 shutoff valve b. Close high side bleed valve c. Wait for MK2 reading to stabilize, then slowly close the low side bleed valve d. **If relief valve doesn't open, NOTE the reading as the apparent differential pressure across the #1 Check Valve**
6.	**TEST RELIEF VALVE** a. Attach bypass hose from low side bleed valve to high side bleed valve b. Open high side bleed valve approximately 1 turn c. Slowly Open low side bleed valve *no more than ¼ turn* d. **RECORD psid reading (Press the Capture Button) at first discharge of water from the Relief Valve** e. Close both high and low bleed valves, then Detach bypass hose from the low side bleed valve
7.	**TEST #2 CHECK VALVE** a. Attach bypass hose from the high side bleed valve on MK2 to TC #4 b. Fully Open TC #4 c. Open low side bleed valve d. Once the reading exceeds the apparent differential pressure across #1 Check Valve, e. Slowly Close the low side bleed valve f. Open the high side bleed valve and wait for psid reading to stabilize g. **RECORD the #2 Check Valve as "closed tight" (relief valve closed) or "leaked" (relief valve opens)**
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) a. With bypass hose still connected to TC #4 and high side bleed valve remaining open b. Open the low side bleed valve until the reading exceeds the apparent differential pressure across #1 Check Valve c. Slowly Close the low side bleed valve d. After the reading stabilizes, **RECORD psid reading (Press the Capture Button) across #1 Check Valve**
9.	**REMOVE EQUIPMENT** a. Close all test cocks b. Remove all test equipment and fittings c. Slowly open #2 shutoff valve d. Open Low and High Bleed valves; drain water from hose(s) e. Notify owner f. Fill out test report



Scan QR code to watch this test being performed.