
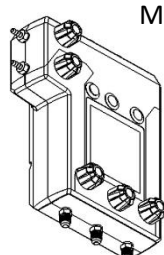


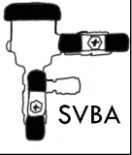
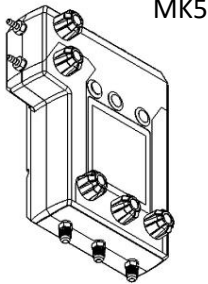
PVBA Test Using the MAKO MK5 5-Valve Test Kit, per USC FCCCHR Manual 10

Step	Procedure	
1.	NOTIFY OWNER , identify, inspect, and observe assembly.	 <p>PVBA</p>
2.	SETUP TEST <ol style="list-style-type: none"> a. Remove air inlet valve canopy b. Open then close Test Cock (TC) #1 and TC #2 c. Connect bleed-off valve arrangement to TC #1 d. Attach the high side hose of MK5 to TC #2 e. Verify MK5 is turned on and captured values are cleared (Hold Down the Back Button) f. Close all MK5 test kit valves <p>Note: If needed, install appropriate fittings to test cocks.</p>	
3.	BLEED AIR FROM HOSE <ol style="list-style-type: none"> a. Slowly Open TC #2 b. Open the high side bleed valve on MK5 then close high side bleed valve c. Close #2 shutoff valve 	
4.	AIR INLET VALVE TEST <ol style="list-style-type: none"> a. Verify MK5's Rate-of-Change Graph is level with the air inlet valve b. Close #1 shutoff valve c. Slowly Open high side bleed valve <i>no more than ¼ turn</i> d. <u>RECORD psid (Press the Capture Button) when the air inlet valve opens</u> e. Close the high side bleed valve f. Remove the high side hose from TC #2 to drain water from the body g. <u>RECORD whether air inlet valve is fully open</u> h. Close TC #2 i. Open #1 shutoff valve 	
5.	SETUP TEST and ATTAIN SUPPLY PRESSURE <ol style="list-style-type: none"> a. Attach high side hose of MK5 to bleed-off valve arrangement at TC #1 b. Slowly Open TC #1 c. Open the high side bleed valve on MK5 then close high side bleed valve d. If you report supply pressure, once satisfied with the reading on the gauge <u>RECORD psid reading (Press the Capture Button) for the supply pressure</u> 	
6.	TIGHTNESS OF CHECK VALVE TEST <ol style="list-style-type: none"> a. Verify MK5's Rate-of-Change Graph is level with TC #2 b. Close #1 shutoff valve c. Open TC #2 d. Once water draining from TC #2 stops or is no more than a drip and reading on MK5 stabilizes: <u>RECORD psid (Press the Capture Button)</u> e. Close TC #1 and TC #2 	
7.	REMOVE EQUIPMENT <ol style="list-style-type: none"> a. Slowly open #1 shutoff valve and #2 shutoff valve b. Replace the air inlet valve canopy c. Remove all test equipment and fittings d. Open High, Low, Bypass valves and High/Low bleed valves; drain water from hose(s) and MK5 e. Notify owner f. Fill out test report 	 <p>MK5</p>



Scan QR Code to see this test being performed

SVBA Test Using the Mako MK5 5-Valve Test Kit, per USC FCCCHR Manual 10

Step	Procedure	
1.	NOTIFY OWNER , identify, inspect, and observe assembly.	
2.	SETUP TEST <ol style="list-style-type: none"> a. Remove air inlet valve canopy b. Bleed water through the test cock c. Open the vent valve (loosen screw) then close the vent valve (tighten screw) d. Attach bleed-off valve arrangement to test cock e. Attach high side hose of MK5 to the bleed-off valve f. Verify MK5 is turned on and captured values are cleared (Hold Down the Back Button) g. Close all MK5 test kit valves <p>Note: Install appropriate fittings if necessary</p>	
3.	BLEED AIR FROM HOSE and ATTAIN SUPPLY PRESSURE <ol style="list-style-type: none"> a. Open test cock b. Open high side bleed valve of MK5 c. <i>Note: To aid in determining the opening of the air inlet valve, the area on top of the valve may be filled with the water from the bleed valve of MK5</i> d. Close the high side bleed valve e. Close #2 shutoff valve f. If you report supply pressure, once satisfied with the reading on the gauge RECORD <u>psid reading (Press the Capture Button) for the supply pressure</u> g. Verify the MK5's Rate-of-Change Graph is level with the vent valve h. Close #1 shutoff valve 	
4.	CHECK VALVE TEST <ol style="list-style-type: none"> a. Slowly Open vent valve (loosening or removing screw) b. Once flow of water from vent valve stops or is no more than a drip AND the reading on MK5 stabilizes: c. RECORD <u>psid reading (Press the Capture Button)</u> 	
5.	AIR INLET VALVE OPENING TEST <ol style="list-style-type: none"> a. Maintain the MK5 Rate-of-Change Graph at same level as the vent valve b. Slowly Open the high side bleed valve <i>no more than ¼ turn</i> c. RECORD <u>psid reading (Press the Capture Button) when air inlet valve opens</u> d. Close the high side bleed valve e. Remove the high side hose from the bleed-off valve to drain water from the body f. RECORD <u>whether the air inlet valve fully opens</u> g. Close test cock h. Close the vent valve (replace screw) 	
6.	REMOVE ALL EQUIPMENT <ol style="list-style-type: none"> a. Slowly open #1 shutoff valve b. Slowly open #2 shutoff valve c. Replace the air inlet valve canopy d. Remove all test equipment and fittings e. Open the high, low, bypass valves and the high/low bleed valves, drain water from hose(s) f. Notify owner g. Fill out test report 	



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