



10-017A  
17 August 2010

### **M700E LEAK CHECK PROCEDURE**

**I. PURPOSE:**

To give instructions on how to perform the internal Leak check procedure without disconnecting any tubing.

**II. TOOLS:**

1/4" Caps  
1/8" Caps

**III. PARTS:**

HW0000697 CLAMP, PINCH, 1/2" TUBE (2)

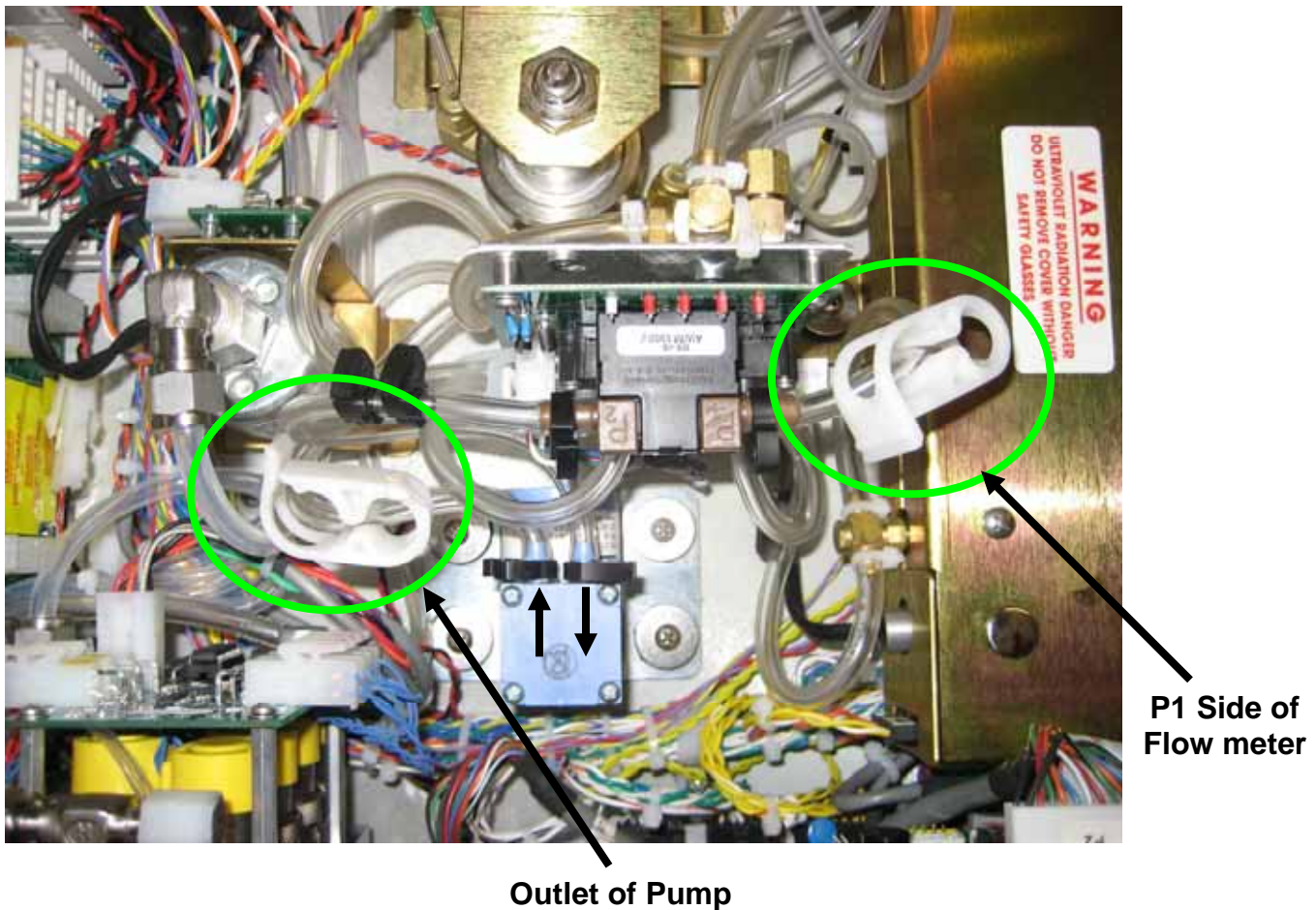


The electronics used in T-API analyzers are sensitive to Electrostatic Discharge (ESD). When working on any T-API device, please ensure that you are properly grounded prior to handling or touching any electronic circuitry in the analyzers! For more information on how to protect sensitive components from ESD during handling, please contact T-API customer service and ask for the ESD Service note number 03-022A.

**IV. PROCEDURE:**

1. Turn the instrument off and unplug the power cord.
2. Remove the cover of the instrument.
3. Install the two clamps on to the tubing as shown in Figure 1.

FIGURE 1



4. Install the first clamp on to the tubing on the outlet of the pump.
5. Install second clamp on to the tubing on the P1 side of the flow meter. Refer to Figure 1 for clamp locations and Figure 2 for the pneumatic diagram.
6. Once the clamps are installed cap all of the test gas outputs and the vent port inside (if you have the photometer option installed).
7. Take your dilution air and tee it to the DIL IN port and CYL 1 port on the rear panel
8. Press SETUP-MORE-DIAG-929-ENTER-NEXT until AUTOMATIC LEAK CHECK then press ENTER. The leak check will automatically pressurize the calibrator and perform the leak check.
9. Once the Leak Check Passes you will now need to remove the clamps and caps installed in step 4-6.
10. The calibrator has now been leak checked.

FIGURE 2

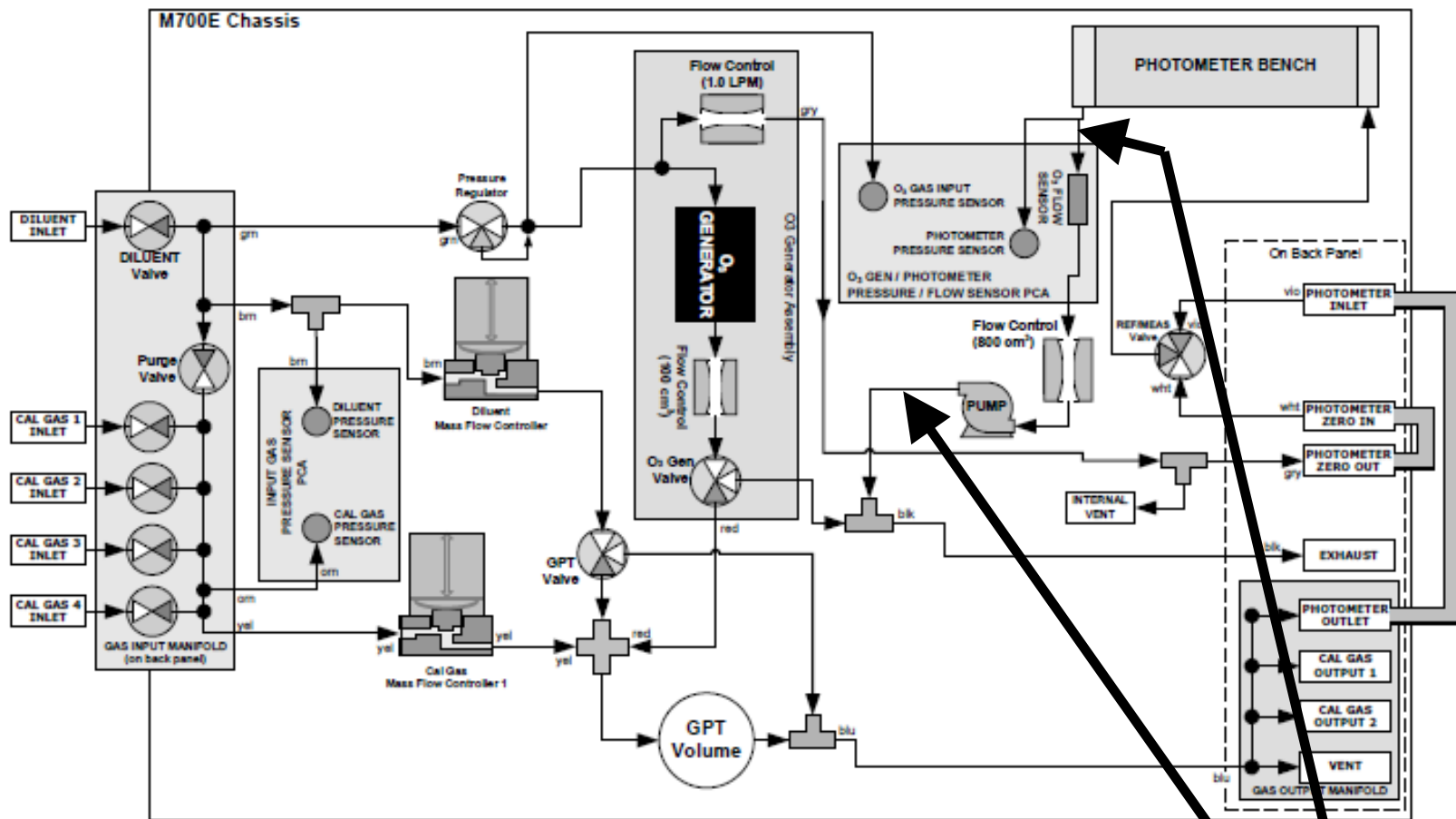


Figure 5-2: Internal Pneumatics for M700E Calibrator with Optional O<sub>3</sub> Generator and Photometer

