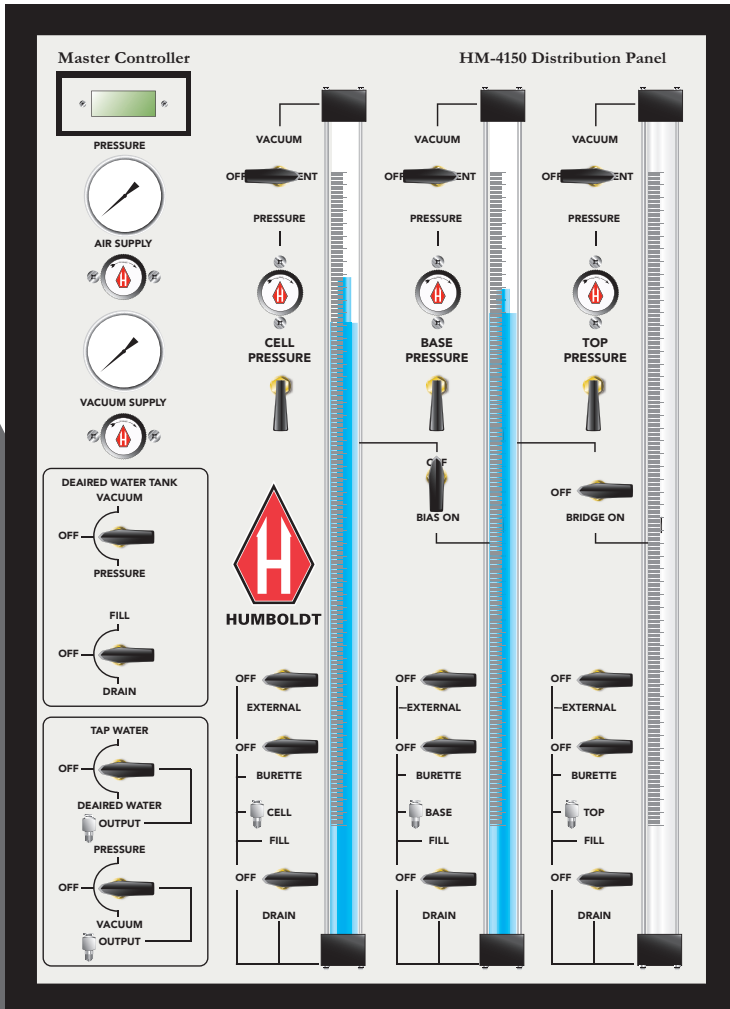
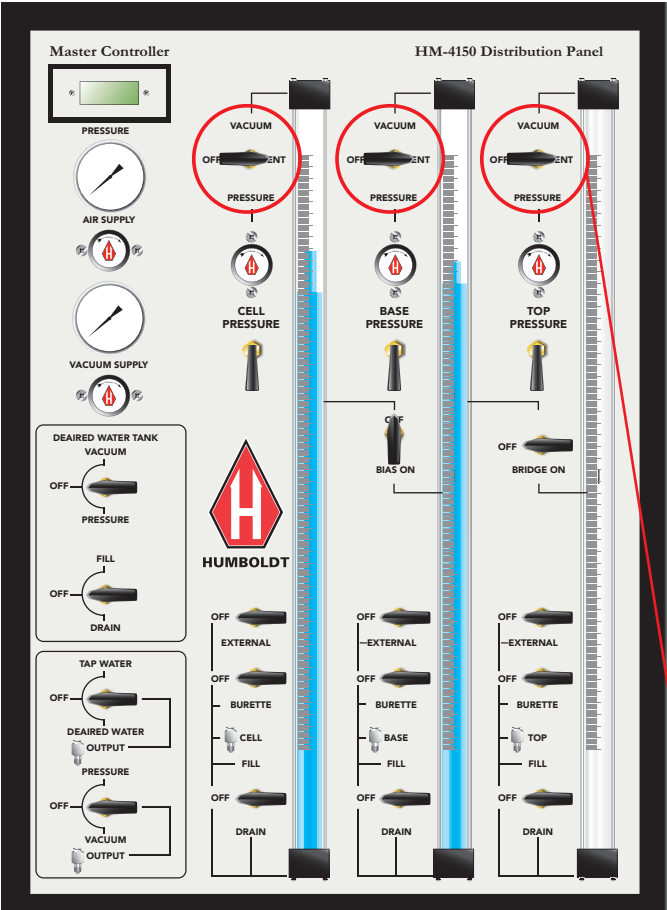


How to Fill the Triaxial Cell Chamber

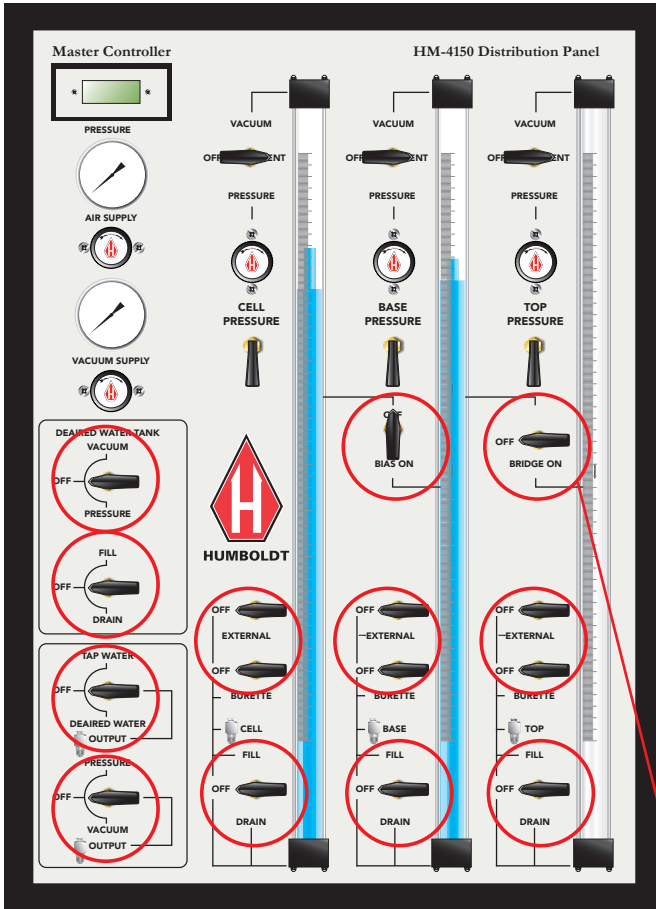




STEP 1

Turn all Pressure Valves to the Vent position.

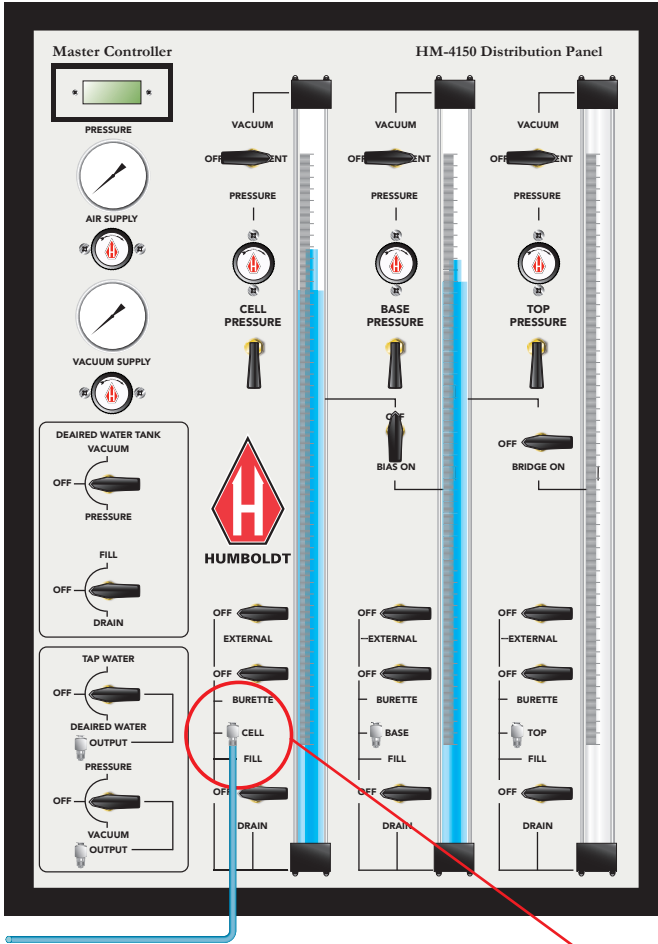
1



STEP 2

Turn all other Valves to the Off position.

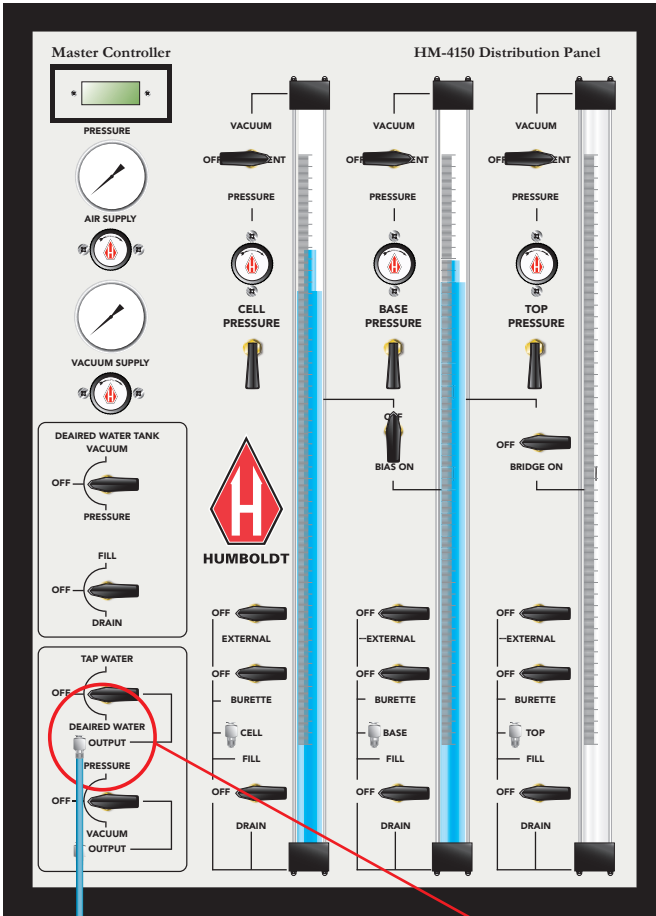
2



STEP 3

Disconnect the tubing from the Cell Input to the left of the first Cell Burette Assembly.

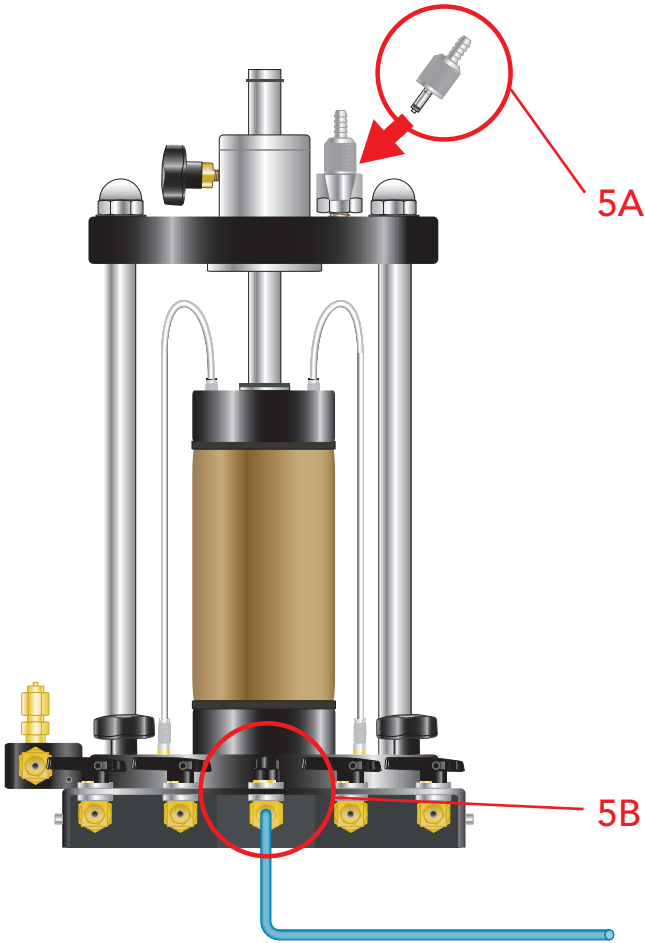
3



STEP 4

Reconnect the tubing to the Tap Water Output port located at the lower left of the Master Control Panel.

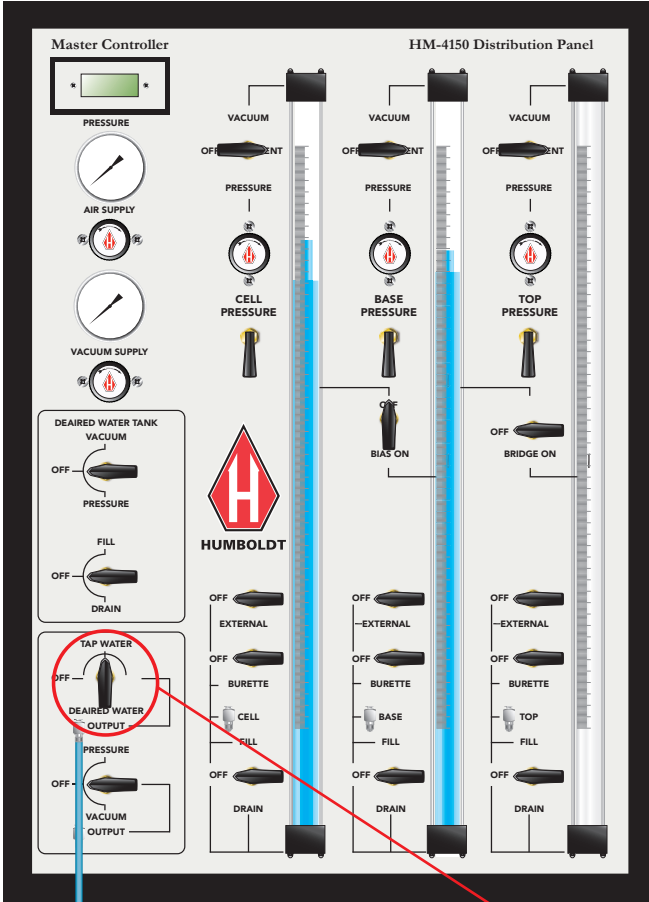
4



STEP 5

A. Insert Vent Adapter into Vent on top of Triaxial Cell Chamber.

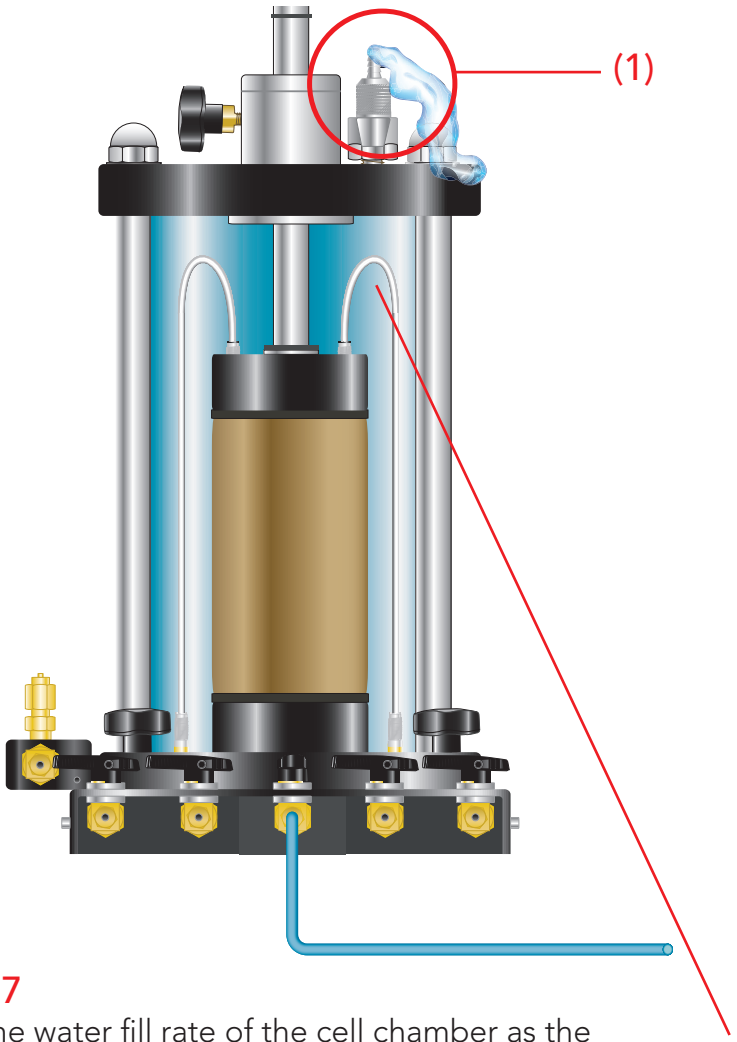
B. Open the Cell Valve to the Triaxial Cell.



STEP 6

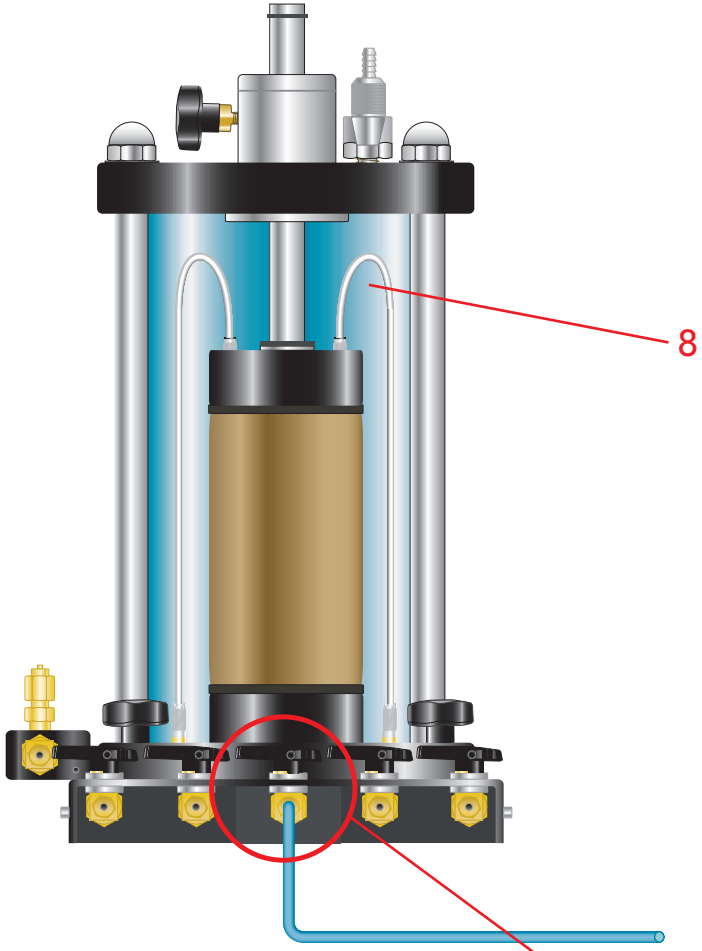
Fill the Triaxial Cell Chamber with Tap Water by turning the Valve Indicator to the Tap Water position.

6



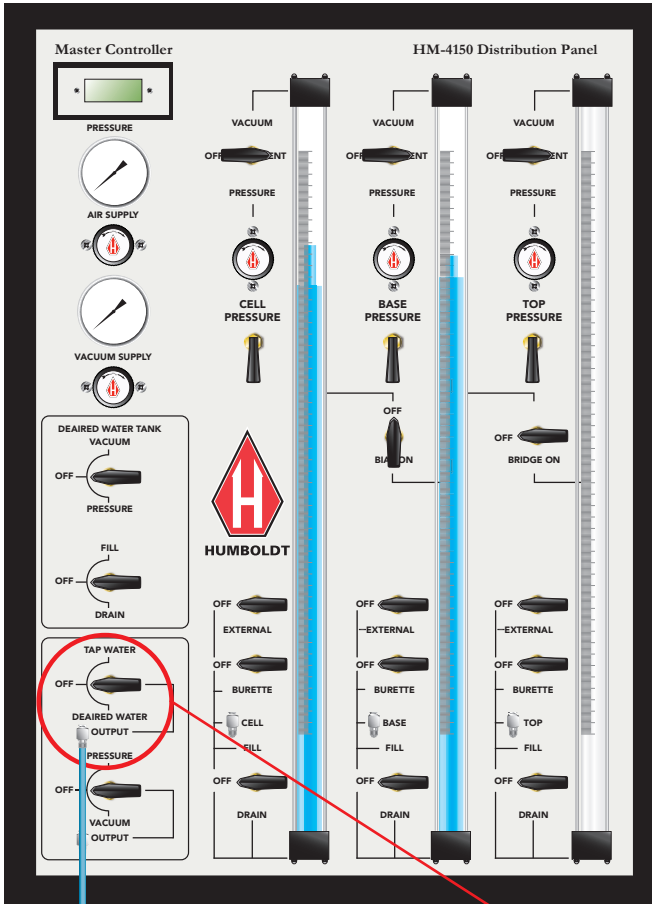
STEP 7

Slow the water fill rate of the cell chamber as the water level approaches the top of the cell chamber. Continue filling the cell until water exits the Cell Vent (1).



STEP 8

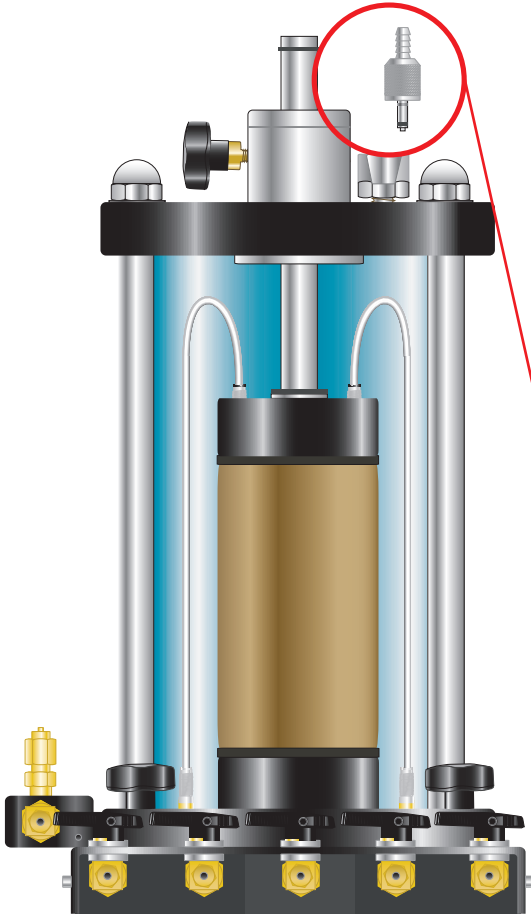
Once water exits the Cell Vent on the Triaxial Cell, close the Tap Water Valve at the base of the Cell (1).



STEP 9

Once water exits the Cell Vent on the Triaxial Cell, close the Tap Water Valve at the base of the Cell (1).

9

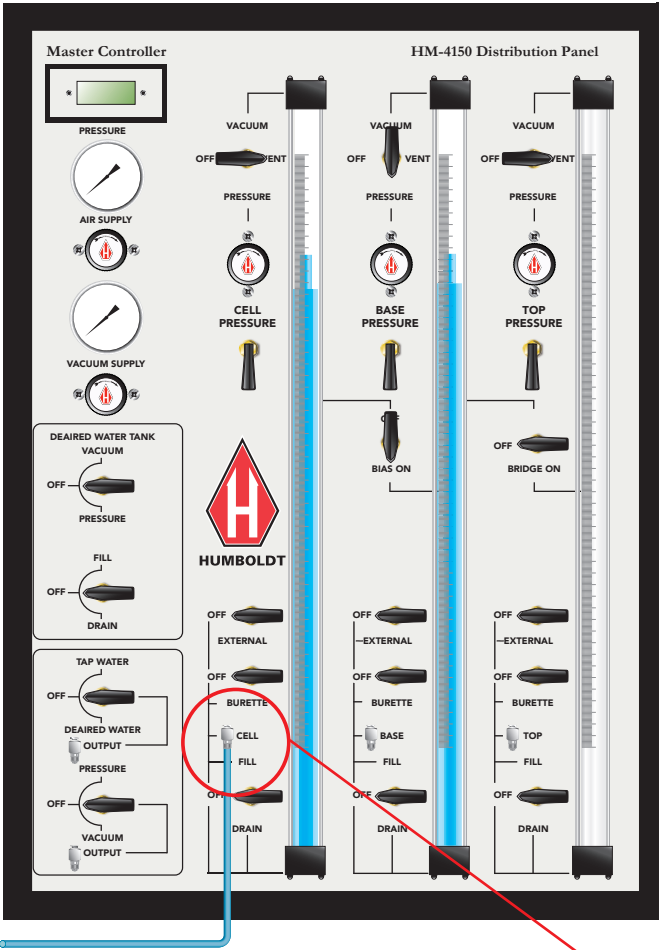


STEP 10

(1) Finally, remove the Cell Vent Adapter from the Cell Vent on the Triaxial Cell (1).

(1)

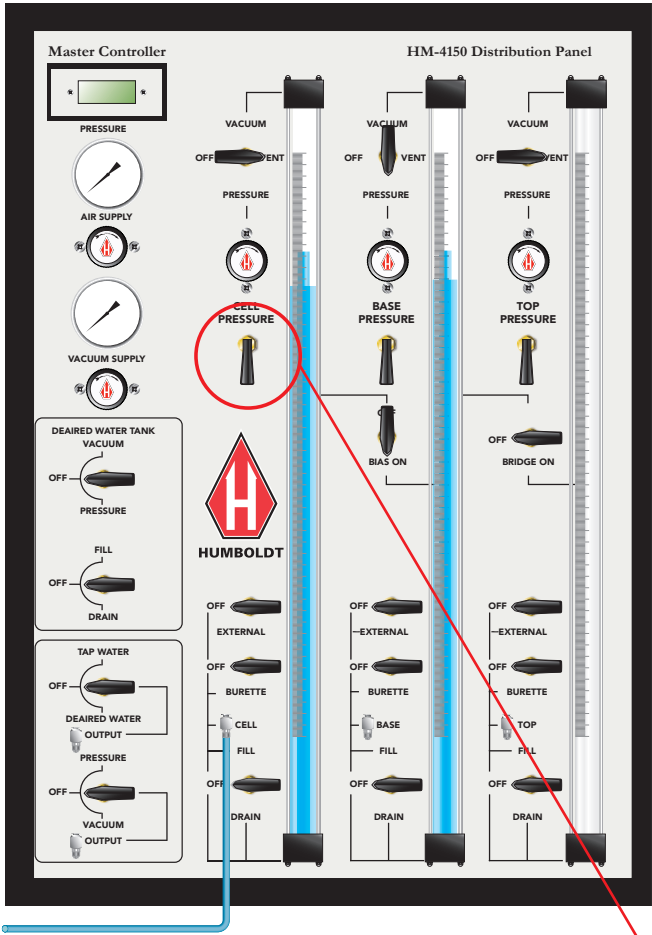
These last three steps should be done in the described order or tests may not be accurate.



STEP 11

Disconnect the tubing from the Tap Water Output and reconnect it to the Cell Input to the left of the first Cell Burette Assembly.

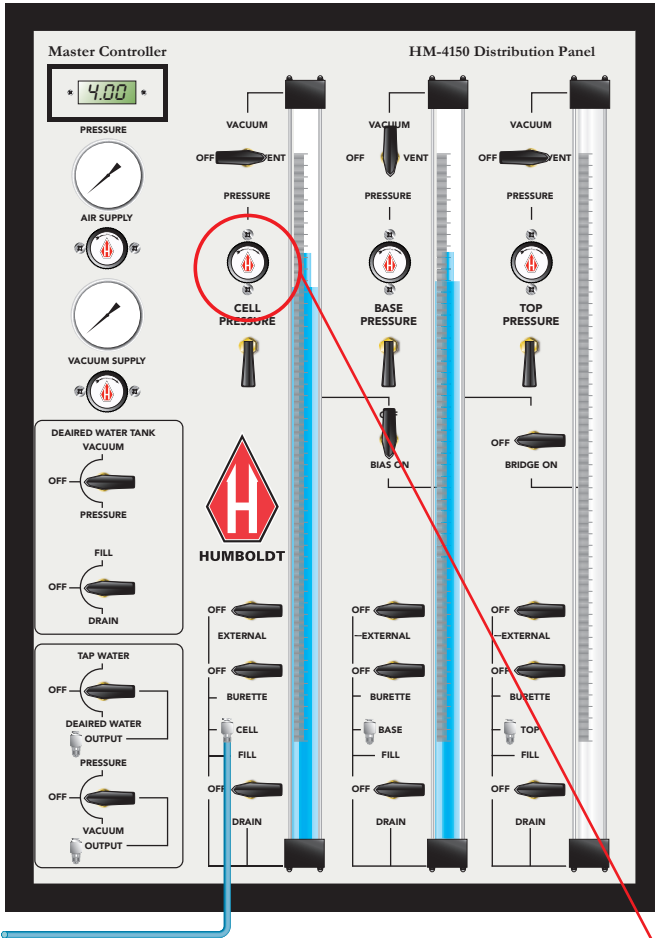
11



STEP 12

To be able to read the Cell Pressure when you adjust the Regulator in the next step, first flip this toggle up, which will reveal the Cell Pressure in the Pressure window located at the top left corner of the HM-4150 Panel.

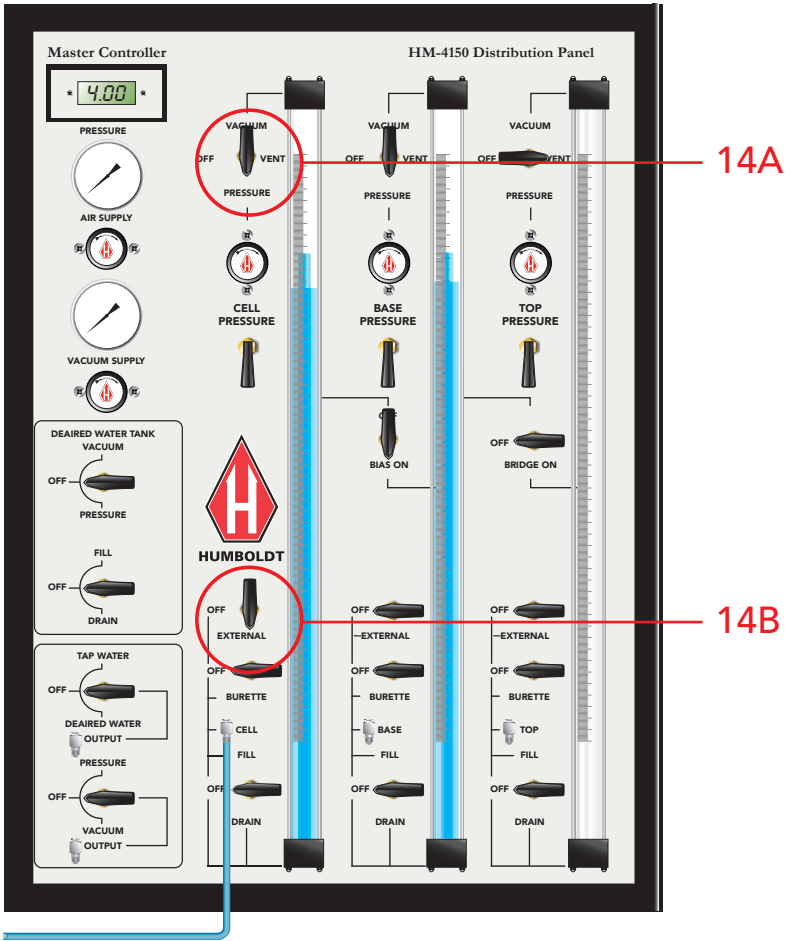
12



STEP 13

Adjust the Cell Pressure Regulator to 3-5 psi using the circular adjustment knob labeled Cell Pressure. You will be able to see the readings in the Pressure window located in the top left corner of the HM-4150 Panel.

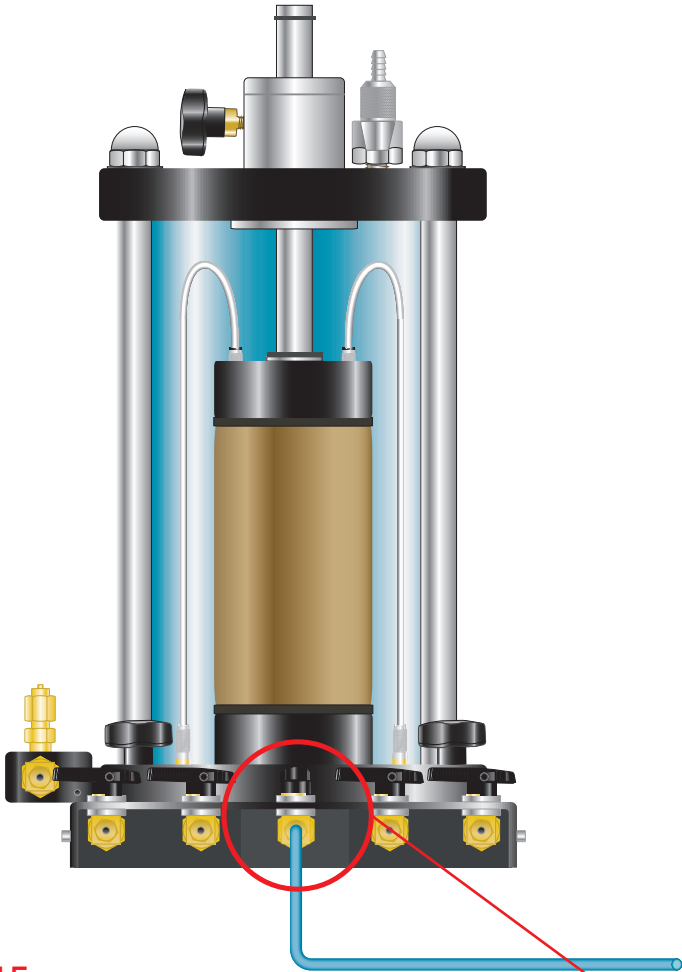
13



STEP 14

A. Turn the Valve above the Cell Pressure Regulator to the Pressure position.

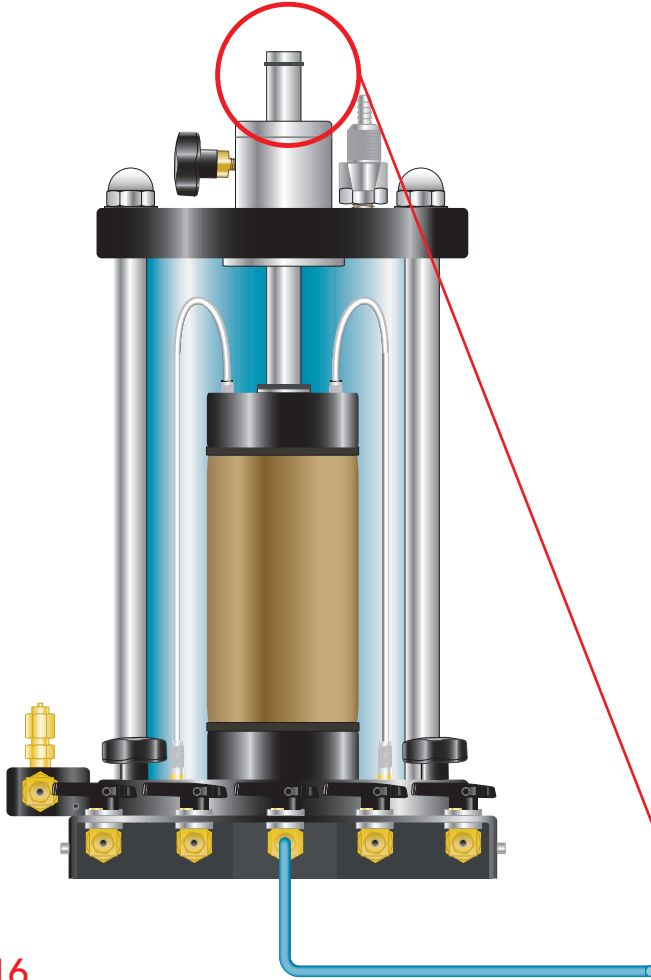
B. Turn the External Valve on the Cell Burette Assembly to the On position.



STEP 15

Turn the Cell Valve on the Triaxial Cell to the On position.

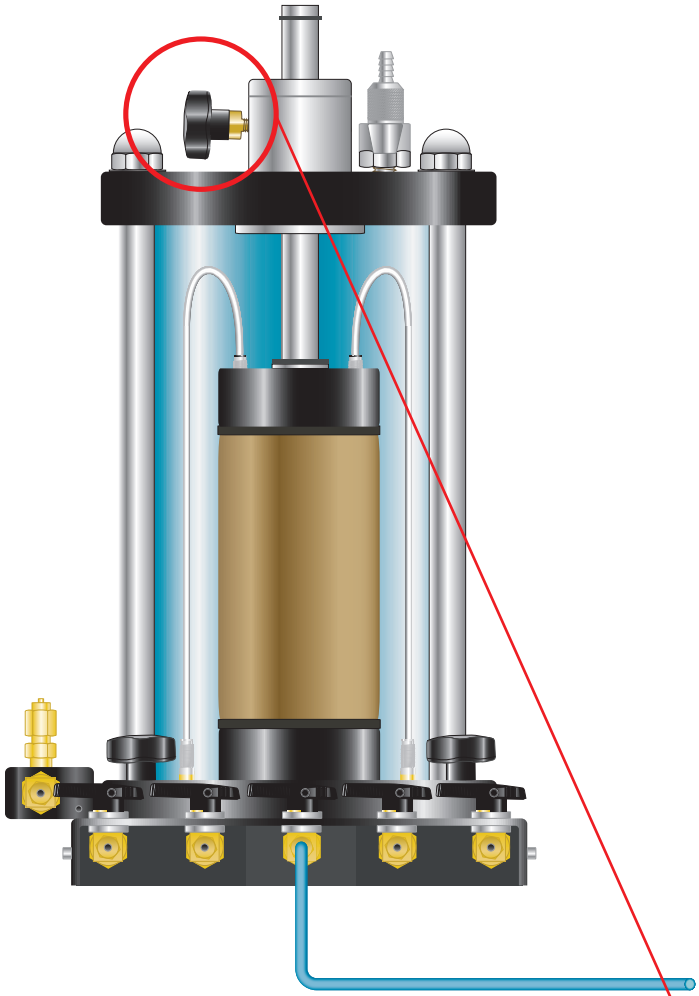
15



STEP 16

Bring the Triaxial Cell Piston into contact with the Specimen Top Cap without applying a load to the Specimen.

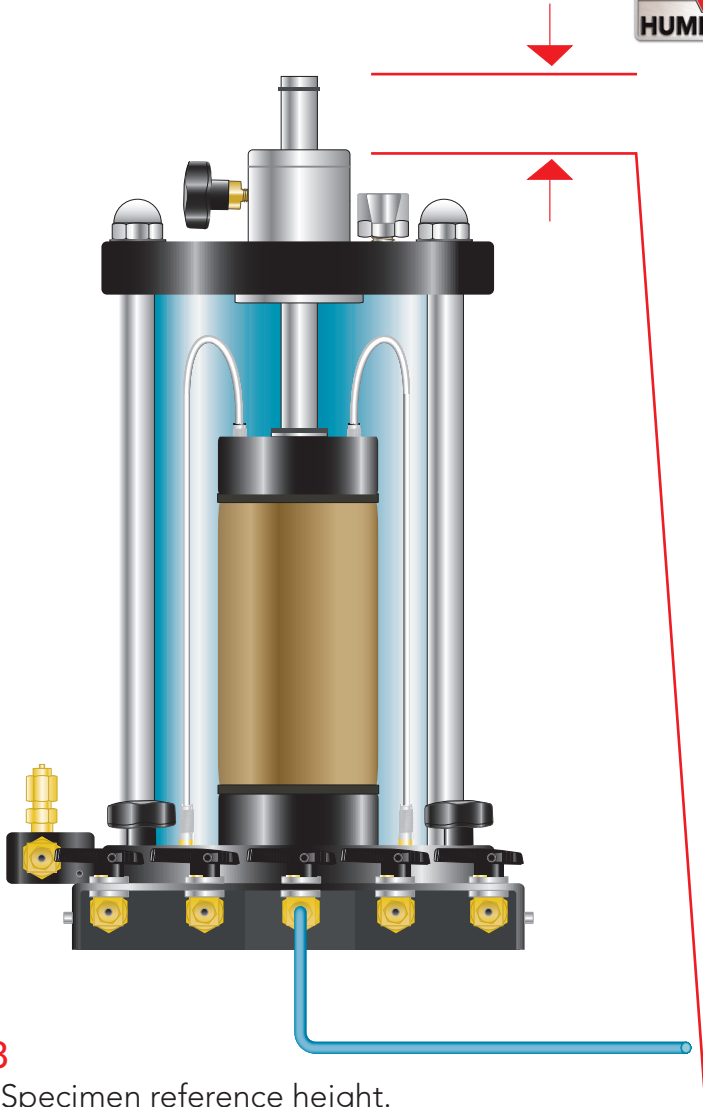
16



STEP 17

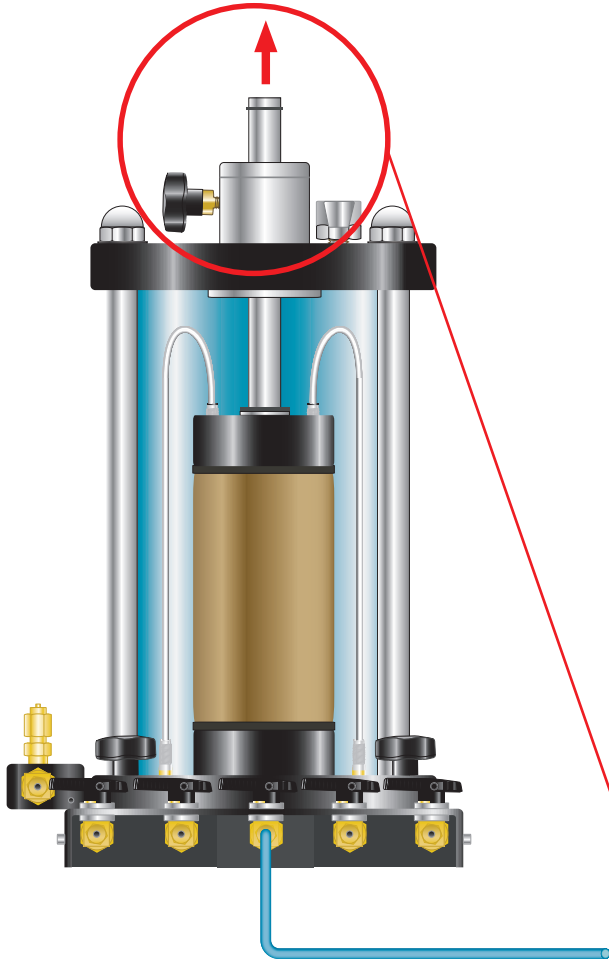
Lock the Piston into position.

17



STEP 18
Measure Specimen reference height.

18



STEP 19

1. Unlock the Piston.
2. Move the Piston up 1/8" (3mm).
3. Relock the Piston.

19

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Humboldt Mfg. Co.
875 Tollgate Road
Elgin, Illinois 60123 U.S.A.

U.S.A. Toll Free: 1.800.544.7220
Voice: 1.708.456.6300
Fax: 1.708.456.0137
Email: hmc@humboldtmfg.com

