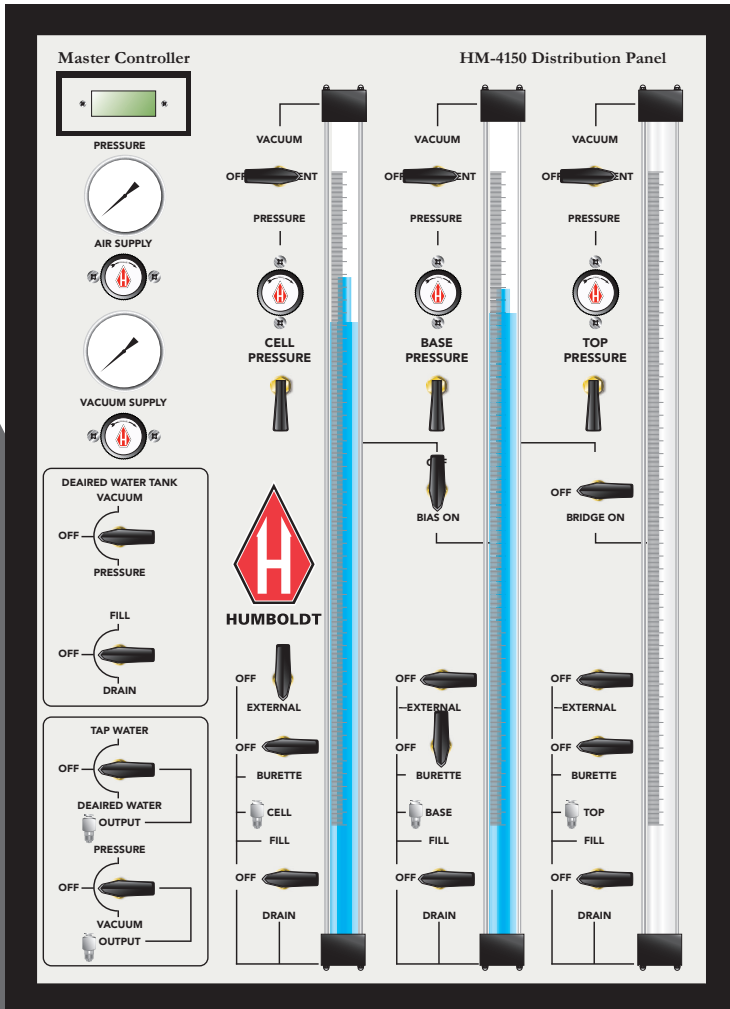
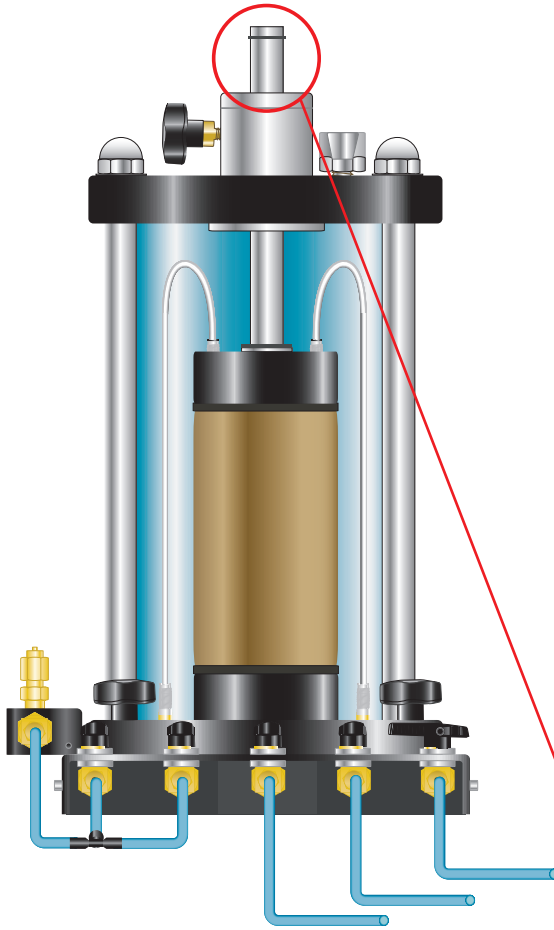


Consolidation & Recording Volume

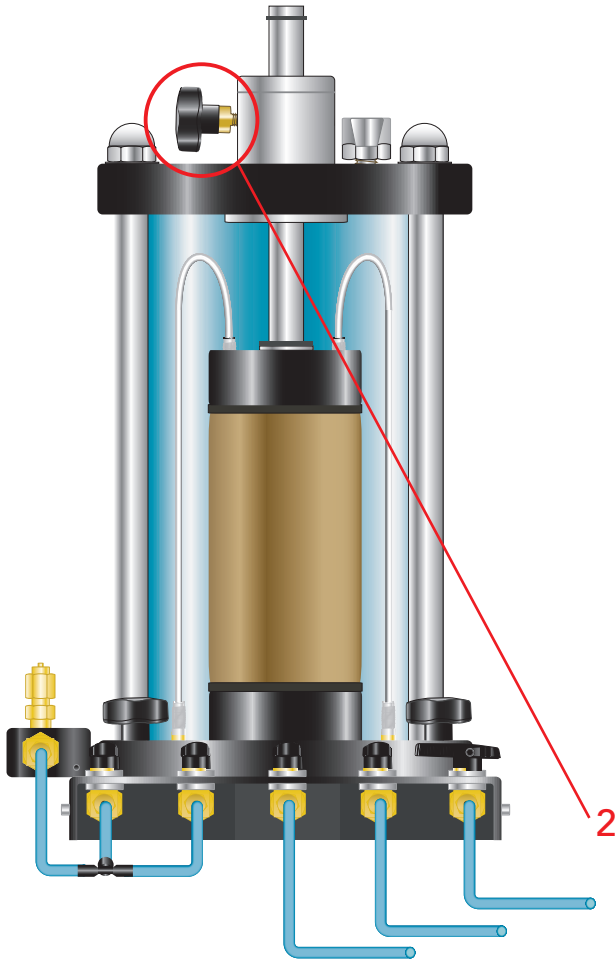




1

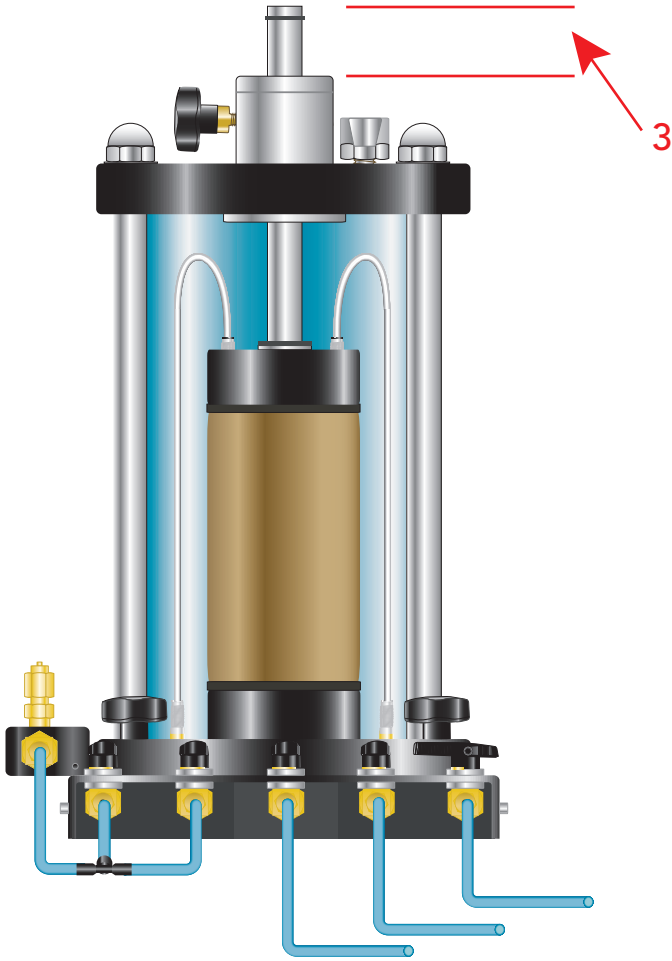
STEP 1

At the End of the Saturation Stage, bring the Triaxial Cell Piston into contact with the Specimen Top Cap without applying a load to the Specimen.



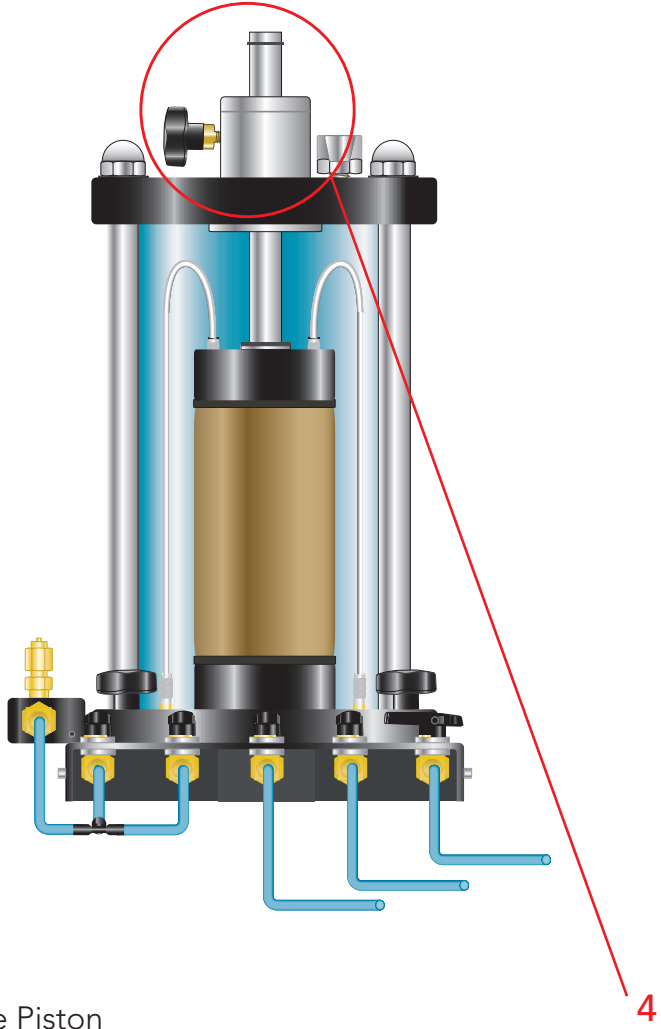
STEP 2

Lock the Piston into position.



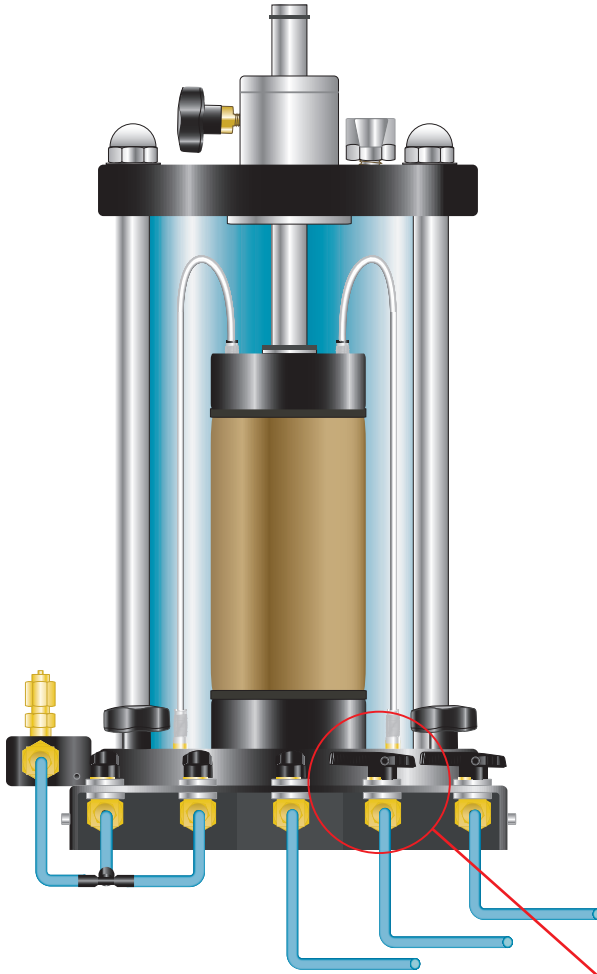
STEP 3

Measure Specimen reference height prior to Consolidation.



STEP 4

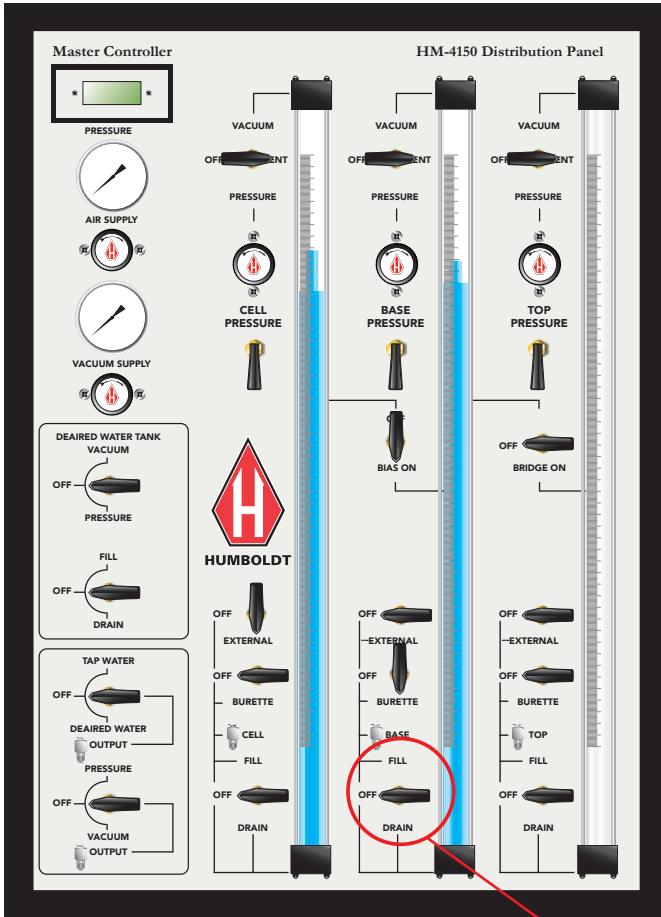
1. Unlock the Piston
2. Move the Piston up 1/8" (3mm)
3. Relock the Piston



STEP 5

Close the Base Valve located on the right-hand side of the Triaxial Cell.

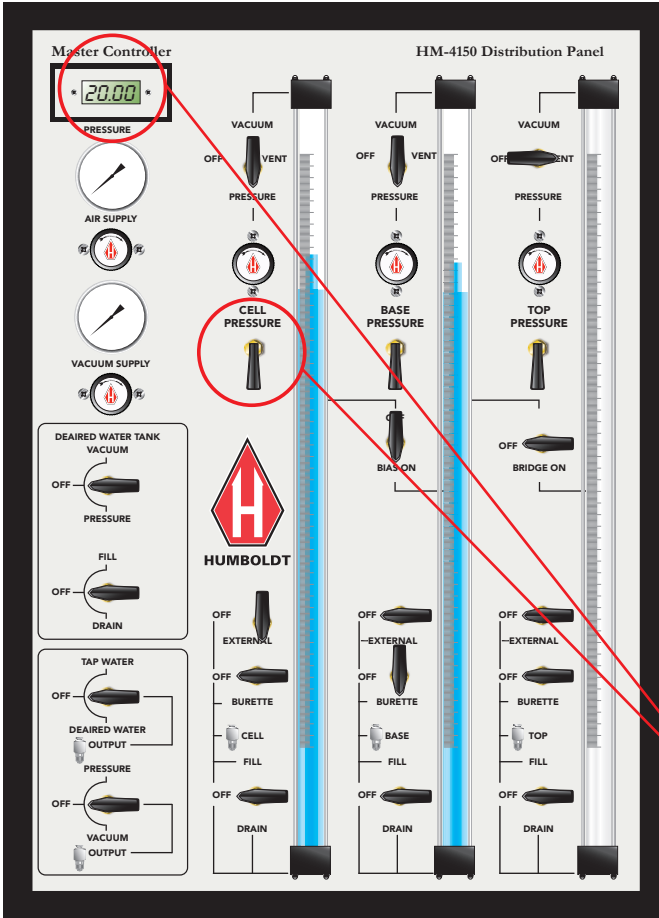
5



STEP 6

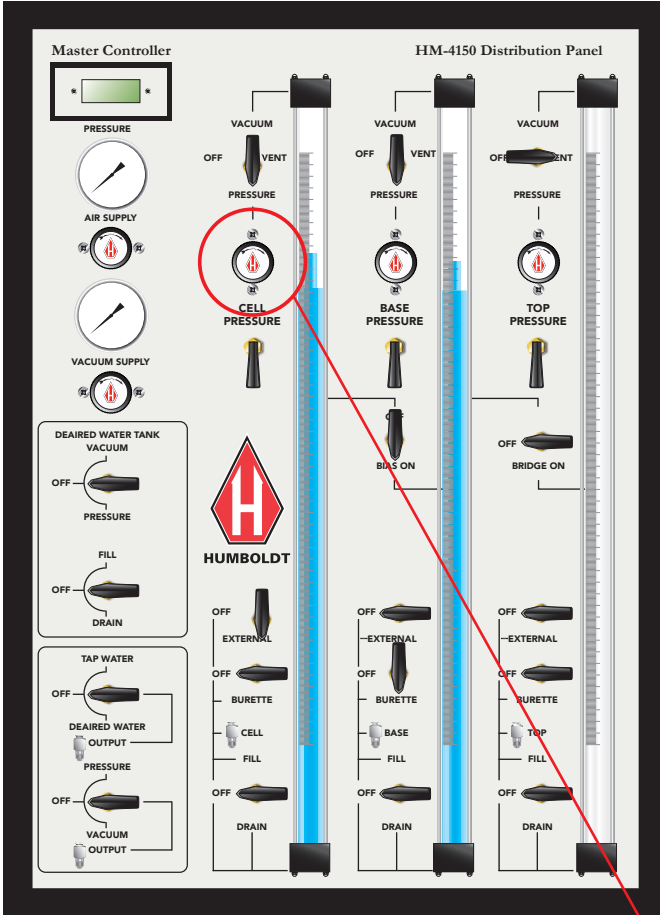
SLOWLY, Turn the Valve towards DRAIN — the water level in the Burette will start dropping. When the water level approaches the 10cc mark, turn the Valve to OFF.

6



STEP 7

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.

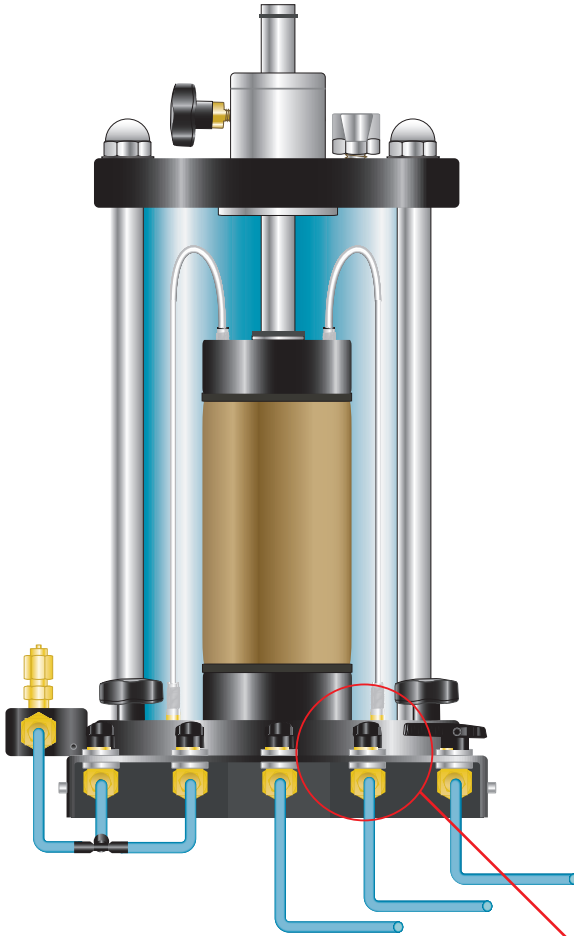


STEP 8

Increase the Cell pressure to the required Effective Consolidation Pressure.

8

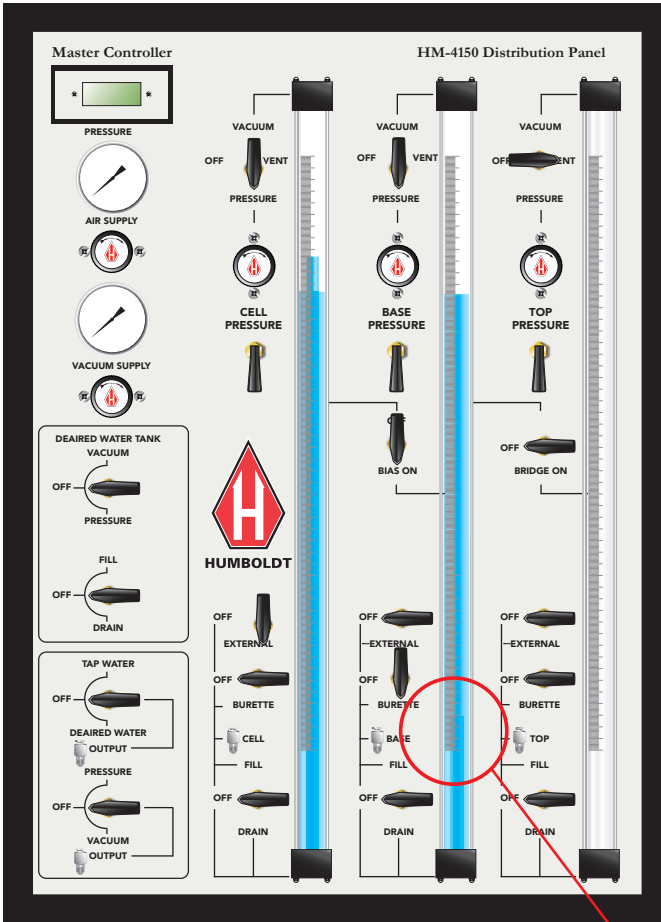
NOTE: Effective Consolidation Pressure = Cell Pressure – Base Pressure.



STEP 9

Open the Base Valve located on the right-hand side of the Triaxial Cell and start recording the Volume Change on the HM-4150 Panel Base Burette.

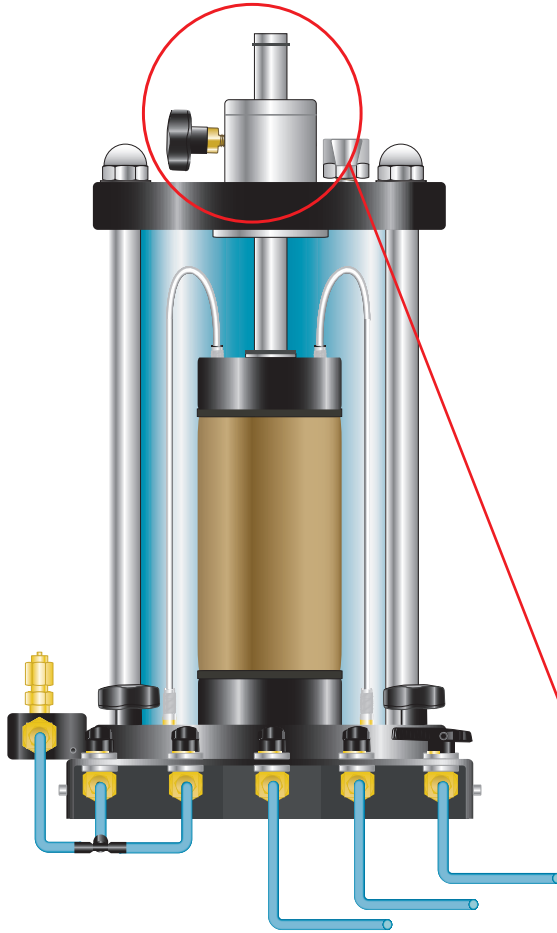
9



STEP 10

Record the Base Burette (Volume Change) Level at intervals of elapsed time, such as: 0.1, 0.2, 0.5, 1, 2, 4, 8, 15 and 30 minutes, and at 1, 2, 4, 8 hours and so forth.

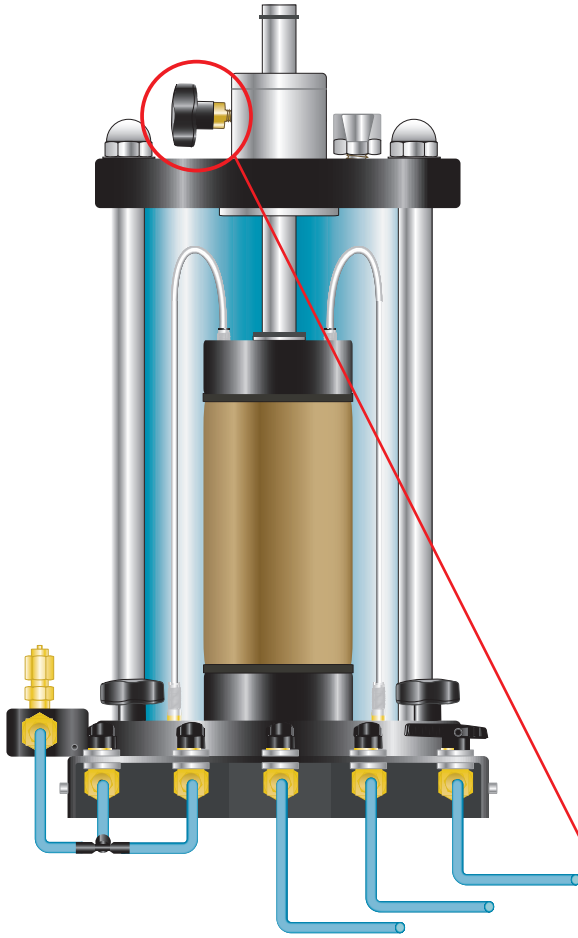
10



11

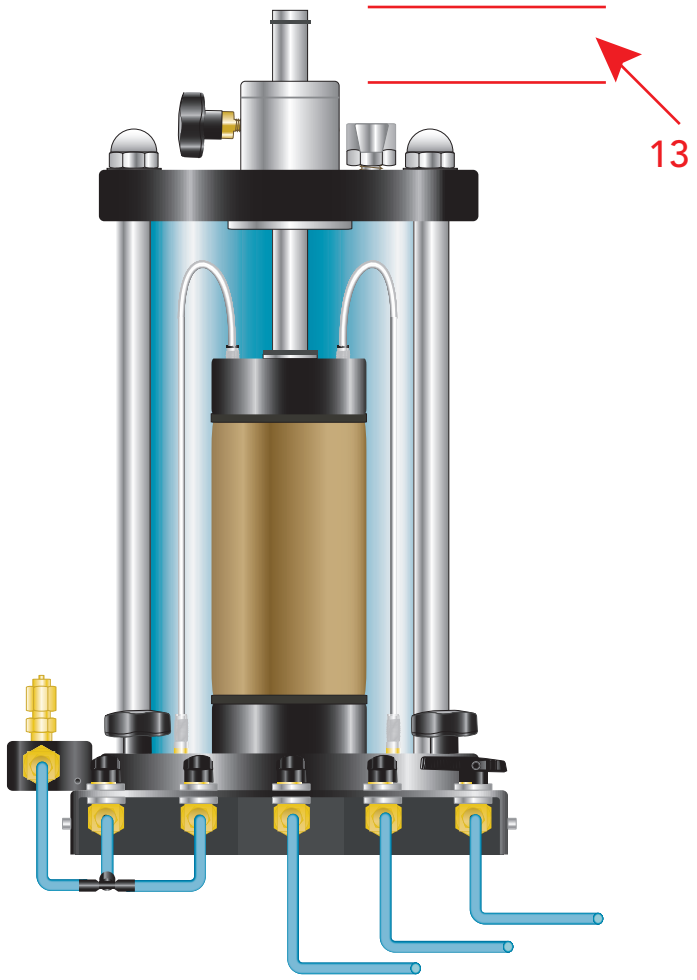
STEP 11

At the End of the Consolidation Stage, bring the Triaxial Cell Piston into contact with the Specimen Top Cap without applying a load to the Specimen.



STEP 12
Lock the Piston into position.

12



STEP 13

Measure Specimen reference height prior to Shear Stage.

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