Consolidation & Recording Volume
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.
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.
**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.

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.
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.
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.
STEP 13
Measure Specimen reference height prior to Shear Stage.