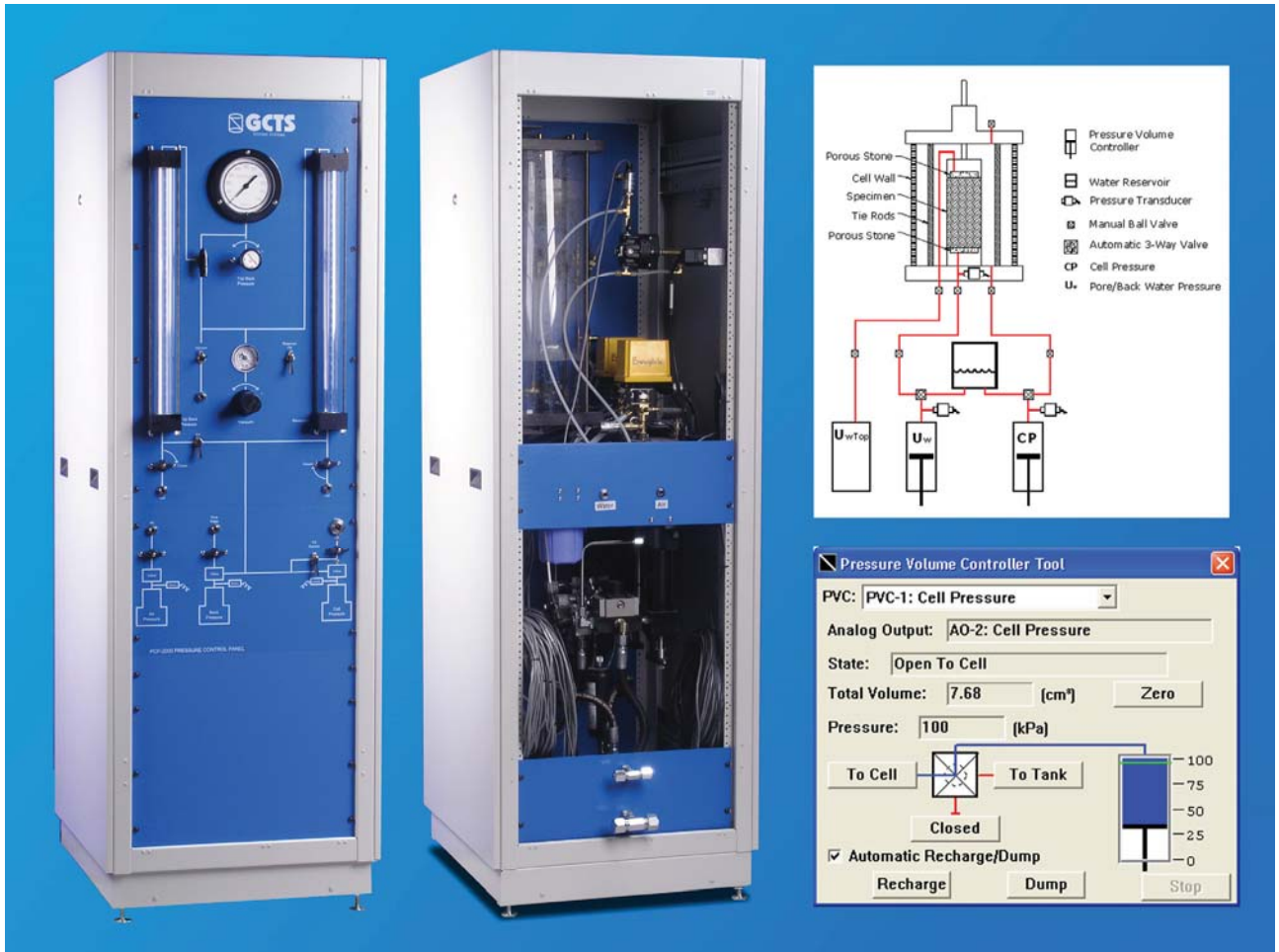


## Pressure Panel & Pressure Volume Controller (PCP-2000)



- 0.1 kPa pressure & 0.005 cc volume resolution
- Static or pulsating pressure application at up to 10 Hz
- Flow velocities from 0 to 2,000 cc/min
- 300 cc to 800 cc capacities
- Select from available models ranging from 1 to 10 MPa
- Stainless steel construction mounted on steel cabinets complete with calibration gauge, water reservoir, vacuum pump, & necessary plumbing
- Stiff construction for very low compliance
- “Turn-key” pressure panel with de-airing tank, vacuum pump, precision gage, etc

### DESCRIPTION

The GCTS Pressure Panel & Pressure-Volume Controller has been designed for providing accurate system pressure or volume control. The system uses hydraulic or pneumatic digital servo control for maintaining the necessary test conditions for your testing needs.

The durability of hydraulic/pneumatic control avoids vibrations, achieves higher pressures, and is more durable and responsive than conventional stepper motor devices. A pressure transducer or external LVDT provides a direct feedback response used in the control process. The PCP-2000 Pressure Panel includes all the necessary components required for testing soils. System operation is integrated with the easy to use GCTS software, which has the flexibility to follow simple, or complex test conditions. The system can be used to control confining, internal, or back (pore) pressure.

Check with GCTS to determine material compatibility. Use of a couple of these Pressure-Volume Controllers enables to perform complete backpressure saturation, consolidation, and triaxial loading procedures automatically without user intervention. Other test procedures can also be fully automated using the included electro-actuated ball valves.

### SPECIFICATIONS

Contact GCTS