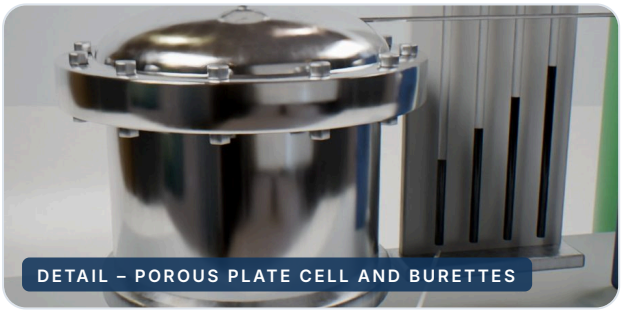
PRODUCT DATASHEET

Capillary Pressure Porous Plate System

Capillary pressure curves and irreducible water





DETAIL – POROUS PLATE CELL AND BURETTES

OVERVIEW

The Tech Inc. Capillary Pressure Porous Plate System measures capillary pressure curves on several cores at once by the porous plate method. Brine-saturated cores sit on a water-wet ceramic plate in a pressure cell; gas or oil pressure is raised in steps and the brine displaced through the plate at each step gives saturation against capillary pressure.

MODELS AND CONFIGURATIONS

- **Gas-brine model** – air or nitrogen displacing brine.
- **Oil-brine model** – oil-wet or water-wet plates.
- **Large cell** – up to 12 cores at once.

TYPICAL DESIGN DATA

Model	TI-CPP-200 series
Pressure	Up to about 15 bar (200 psi) standard
Plate	Ceramic, 1, 5 or 15 bar entry pressure
Capacity	Up to 12 cores
Core size	1 and 1.5 inch diameter

APPLICATIONS

Irreducible water saturation, drainage and imbibition curves, saturation-height modelling, and preparing cores for resistivity index tests.

KEY ADVANTAGES

- **Reference method** – equilibrium at every step
- **Parallel** – many cores per cell
- **Simple** – robust and easy to maintain
- **Compatible** – feeds our resistivity tester

Designed and built by Tech Inc. · **Part of the Davey Group since 1990**

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