# Cell Porous Plate Capillary Pressure System

Plug samples of known porosity and permeability are saturated with simulated formation brine. The core plugs and downstream water wet (hydrophilic) ceramic plates are saturated with the brine, wetting phase, and placed in the core holder. The upstream pump cylinder injects the displacing phase (oil) at constant pressure whilst the downstream pump cylinder maintains the differential pressure (PC) across the porous plate and collects the effluent wetting phase (brine) from the core holder providing accurate fluid measurement that is logged by the host computer along with all experimental parameters. The experimental data for each sample are logged to hard in the host computer and used in the report generation software for final report generation.

| Specification | CCP -PR01 | CCP-PR11 | CCP-PS01 |
|---|---|---|---|
| Core Diameter | 1.5" | 1.5" | 1.5" |
| Core Length | 2" to 3" | 2" to 3" | 2" to 3" |
| Working Temperature | Up to 120˚C | Ambient | Up to 120˚C |
| Max. Pore Pressure | 145 Psi | 145 Psi | 145 Psi |
| Capillary Pressure Range | -145 to +145 | -145 to +145 | -145 to +145 |
| Core Holder Position | Vertical | Vertical | Vertical |
| Overburden Pressure | Up to 6,500 Psi | Up to 6,500 Psi | Up to 6,500 Psi |
| Pressure Accuracy | 0.05% F.S. | 0.05% F.S. | 0.05% F.S. |
| Wetted Material | Stainless Steel 316 | Stainless Steel 316 | Stainless Steel 316 |
| Power Supply | 220 VAC, 50/60Hz | 220 VAC, 50/60Hz | 220 VAC, 50/60Hz |
| Hydraulic Hand Pump | ✓ | ✓ | ✓ |
| Force Convection Oven | × | × | ✓ |
| Hydrostatic Core Holder | ✓ | ✓ | ✓ |
| Automatic Upstream, Downstream, and Confining Pressure Control (Three high Pressure Pumps) | × | × | ✓ |
| Computer System | × | × | ✓ |
| User Friendly Automated Data Acquisition, Calculating and Reporting Software | × | × | ✓ |

Contact info:
+98 71 3624 6968 / +98 71 3624 7604
info@petroazma.com
www.petroazma.com

Address:
Fars Science and Technology Park,
Aryan St., Dr.Hesabi Blvd., Shiraz, I.R.Iran
P.O Code: 7197687811