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PORE PRESSURE APPARATUS 10 KG/CM² AZA0904

The AZA0904 Pore Pressure Apparatus is a precision laboratory instrument designed for the accurate measurement of pore water pressure in saturated soil specimens during advanced geotechnical testing. It is an essential accessory for Consolidated Undrained (CU) and Consolidated Drained (CD) triaxial tests, where reliable pore pressure data is critical for determining effective stress and soil stability.

Engineered for seamless integration with triaxial systems, the AZA0904 enables real-time monitoring of pore pressure generation and dissipation under applied loading conditions. Its robust construction, calibrated gauge, and leak-proof valve system ensure consistent performance in both routine and research-grade laboratory applications.

Key Features & Benefits

- Accurate pore pressure measurement up to 10 kg/cm²
- Transparent reservoir for visual inspection of air bubbles
- Leak-proof valve system for reliable operation
- Compatible with manual and digital systems
- Easy integration with triaxial and permeability setups
- Supports effective stress analysis in geotechnical design

Standards Compliance

- ASTM D4767 – Consolidated Undrained Triaxial Test
- BS 1377 Part 7 – Triaxial Tests on Soils
- IS 2720 (Part 11) – Shear Strength of Soils





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TECHNICAL SPECIFICATION

Parameter	Specification
Model	AZA0904
Pressure Range	0 – 10 kg/cm ²
Pressure Gauge	Bourdon Dial (Digital optional)
Reservoir Material	Transparent Acrylic / Polycarbonate
Reservoir Capacity	Approx. 250 – 500 ml
Connections	Inlet, Outlet, Drain (Quick Couplers)
Valves	Air Release, Pressure Regulator, Drain
Maximum Pressure	10 kg/cm ²
Mounting	Bench-top with Anti-Slip Base
Compatible Tests	CU, CD, Permeability, Consolidation
Compliance	ASTM D4767, BS 1377 Part 7, IS 2720 Part II