LATERAL PRESSURE ASSEMBLY 10KG/CM² AZA0908

The AZA0908 Lateral Pressure Assembly (10 kg/cm²) from Azalab is a precision-engineered geotechnical laboratory system designed to apply and maintain uniform lateral (confining) pressure on soil specimens during triaxial and related tests. By accurately simulating in-situ stress conditions, the system enables reliable determination of shear strength, deformation characteristics, and effective stress parameters.

Primarily used with standard triaxial cells for Unconsolidated Undrained (UU), Consolidated Undrained (CU), and Consolidated Drained (CD) tests, the AZA0908 is an essential component for foundation design, slope stability analysis, and advanced soil research.

Key Features & Benefits

- Uniform and stable confining pressure application
- Suitable for all standard triaxial test methods (UU, CU, CD)
- High-accuracy pressure monitoring system
- Simple and reliable manual pressure generation
- Leak-proof and durable construction
- Compact design for routine laboratory use
- Corrosion-resistant for long service life

Standards Compliance

- IS 2720 (Part 11 & 12) – Triaxial Testing
- ASTM D2850 – UU Triaxial Test
- ASTM D4767 – CU Triaxial Test
- BS 1377 Part 7 – Triaxial Shear Tests

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TECHNICAL SPECIFICATION

Feature	Specification
Model	AZA0908
Product Type	Lateral Pressure Assembly
Maximum Pressure	10 kg/cm² (≈1000 kPa / 1 MPa)
Pressure Chamber	Heavy-duty steel construction
Pressure Gauge	Bourdon Tube Type
Gauge Range	0 – 10 kg/cm²
Dial Diameter	Approx. 150 mm
Least Count	0.1 kg/cm²
Pressure Generation	Hand-operated Foot Pump
Control Valves	Air Inlet Valve, Water Inlet/Drain Cock
Connecting Hoses	High-pressure flexible hoses
Compatibility	Standard Triaxial Cells
Finish	Corrosion-resistant coating
Origin	Made in India