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DEAD WEIGHT TYPE OIL & WATER CONSTANT PRESSURE SYSTEM AZA0907

The AZA0907 Dead Weight Type Oil & Water Constant Pressure System from Azalab is a high-precision pressure generation and calibration system designed for applications requiring absolute pressure stability and accuracy. Utilizing the fundamental principle of dead-weight loading, the system produces a true constant pressure output, inherently free from drift, fluctuation, or instability commonly associated with conventional pneumatic or hydraulic regulators.

Engineered for metrology laboratories, geotechnical testing facilities, research institutions, and industrial calibration environments, the AZA0907 ensures traceable, repeatable, and highly reliable pressure control for both routine and advanced applications.

Key Features & Benefits

- Dead Weight Pressure Generation
- Dual Medium Operation (Oil & Water)
- High Precision Piston-Cylinder Assembly
- True Constant Pressure Output
- Calibration-Grade Performance
- Robust & Corrosion-Resistant Construction

Standards Compliance

- Calibration traceable to national/international standards
- Suitable for ISO/IEC 17025 compliant laboratories
- Compatible with precision metrology practices





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TECHNICAL SPECIFICATION

Feature	Specification
Model	AZA0907
Type	Dead Weight Constant Pressure System
Pressure Generation	Dead Weight (Piston–Cylinder Principle)
Medium	Oil / Water (Dual System)
Pressure Stability	Drift-free, constant output
Accuracy	High (Calibration-grade)
Construction	Corrosion-resistant metal components
Mounting	Bench-top
Calibration	Traceable to national/international standards
Applications	Calibration, triaxial systems, lab testing
Feature	Specification