SAND POURING CYLINDER AZA0879

The AZA0879 Sand Pouring Cylinder is a precision field-testing instrument designed for the accurate determination of in-situ soil density using the Sand Replacement Method.
This method is widely adopted in civil and geotechnical engineering to verify soil compaction quality, ensuring compliance with project specifications for stability, load-bearing capacity, and long-term structural performance.
The apparatus is engineered for rugged field use, high accuracy, and repeatable results, making it an essential tool for site engineers, consultants, and quality control teams.

Key Features

- Accurate determination of in-situ soil density
- Controlled sand discharge via precision shutter mechanism
- Smooth and uniform sand flow minimizing voids
- Available in multiple capacities for varied applications
- Robust, corrosion-resistant construction for field durability
- Simple operation with consistent and repeatable results
- Trusted Azalab engineering quality

Compliance

- IS 2720 (Part 28)
- ASTM D1556

AZA LAB UNIVERSE

TECHNICAL SPECIFICATION

Parameter	Specification
Model Number	AZA0879
Apparatus Type	Sand Pouring Cylinder
Test Method	Sand Replacement Method
Application	Field density and compaction testing
Purpose	Determination of in-situ bulk and dry density of soil
Material of Construction	Corrosion-resistant metal (Galvanized Steel / Brass)
Cylinder Capacity Options	3 Liters / 4 Liters / 6.5 Liters
Funnel	Integrated conical funnel for uniform sand flow
Shutter Mechanism	Sliding or quick-release valve
Base Plate	Detachable circular plate with central hole and flange
Operation	Manual, gravity-based sand discharge

TECHNICAL SPECIFICATION

Parameter	Specification
Durability	Suitable for rugged field conditions
Accuracy	High repeatability with proper calibration
Maintenance	Minimal maintenance required
Compliance	IS 2720 (Part 28)
Reference Standards	ASTM D1556