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## **SOIL PERMEABILITY 75 MM AZA0878**

The AZA0878 Soil Permeability Apparatus is a precision-engineered laboratory instrument designed for the accurate determination of the coefficient of permeability (hydraulic conductivity) of soils.

Equipped with a 75 mm diameter permeameter cell, the apparatus enables reliable testing of both coarse-grained and fine-grained soils using Constant Head and Falling Head methods within a single integrated system.

The system ensures high accuracy, repeatability, and compliance with international standards, making it ideal for professional geotechnical laboratories, research institutions, and quality control environments.

### **Key Features**

- Dual test capability: Constant Head & Falling Head
- 75 mm permeameter cell for representative soil samples
- Suitable for wide range of soil types
- Overflow arrangement for constant head testing
- Multiple glass standpipes for falling head testing
- Robust clamping system with porous stones
- Stable and rigid laboratory base structure
- Durable, corrosion-resistant construction
- Designed for controlled saturation and uniform flow
- Proven Azalab reliability and performance





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### TECHNICAL SPECIFICATION

Parameter	Specification
Model Number	AZA0878
Apparatus Type	Soil Permeability Apparatus (Universal Type)
Test Methods	Constant Head & Falling Head
Application Range	Coarse-grained and fine-grained soils
Permeameter Cell Diameter	75 mm
Mould Material	Gun metal / Transparent acrylic (as applicable)
Standpipe System	Multi-standpipe arrangement
Constant Head Tube	75 mm bore tube with overflow arrangement
Falling Head Standpipes	Glass tubes of varying diameters (e.g., 6 mm, 10 mm, 20 mm, etc.)
Measurement Scale	Wooden meter scale



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### TECHNICAL SPECIFICATION

Parameter	Specification
Drainage System	Top & bottom porous stones / perforated plates
Clamping Mechanism	Heavy-duty clamps / tightening nuts
Tubing	Flexible rubber tubing
Base Assembly	Rigid and stable laboratory mounting frame
Water Supply	External constant head water source required
Test Capability	Determination of coefficient of permeability
Accuracy	High repeatability under controlled conditions
Construction	Durable, corrosion-resistant materials
Maintenance	Low maintenance requirement
Compliance	IS 2720 (Part XVII)
Reference Standards	ASTM D2434, BS EN ISO 17892-11
Usage	Laboratory determination of soil permeability