

6-CELL CONCRETE WATER PERMEABILITY APPARATUS

Product Data Sheet



Product Specifications

Category	Scientific
Product Name	Water Penetration Tester
Capacity	6 cells (specimens tested simultaneously)
Size (approx.)	900 mm (W) x 500 mm (D) x 1350 mm (H) - to be confirmed
Frame Construction	Rugged steel frame, powder-coated blue enamel finish
Control Panel	Individual valve control for Cells 1-6, digital pressure gauge, main power switch with indicator
Specimen Compatibility	100-200 mm concrete cube / cylinder specimens
Platens / Base Plates	Stainless steel, corrosion-resistant
Standard Reference	ISO 22964 (as marked on unit - verify against applicable standard, e.g. EN 12390-8)

Description

A bench/floor-standing water permeability testing apparatus designed to determine the depth of water penetration into hardened concrete specimens under sustained water pressure, in accordance with standard concrete durability testing methods.

Key Features

- 6 independent test cells arranged in two tiers of 3, each with its own pressure control valve (Cell 1-6) on the control panel
- Rugged steel frame construction with durable powder-coated blue enamel finish

- Individual specimen clamping assembly with threaded compression rods and hand-adjustable top plates for sealing test specimens
- Digital pressure gauge and pump/power controller mounted on the side control column
- Main power switch with indicator light
- Stainless steel specimen platens and base plates for corrosion resistance
- Suitable for testing concrete cube or cylinder specimens for water impermeability under constant hydraulic head

Application

Used in concrete quality control and durability assessment to evaluate resistance to water penetration under pressure - a key indicator of concrete permeability and durability performance.

Note: Dimensions and standard compliance shown are estimated from product imagery and should be verified against actual manufacturing specifications before publishing.