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Product Name :

Concrete Permeability Test Apparatus

Product Code :

SLE/CE/09



Science Lab
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Description :

Concrete Permeability Test Apparatus (Product Code: SLE/CE/09) is a pressure-cell test unit used to determine how deep water penetrates into concrete and mortar specimens under pressure, a key durability check in civil engineering and material testing laboratories. It is offered in 3-cell and 1-cell models for 100 mm and 150 mm cubes and for 100, 150 and 300 mm cylinders, and accepts specimens cast in the lab or cores cut from existing structures. It is made by **Jain Scientific Equipments Pvt Ltd (ScienceLab)**, an OEM laboratory equipment manufacturer in India, at its own factory in Ambala.

Specifications

Parameter	Detail
Test	Depth of penetration of water under pressure in concrete specimens
Specimen clamping	Between two flanges with special circular gaskets
Specimen shapes	Cubic, cylindrical or prismatic; edge length or diameter not less than 150 mm for this clamping method
Specimen sources	Mortar and concrete specimens cast in the laboratory, or cores cut from existing structures
Models	3 cell for 100 mm cube; 3 cell for 100 mm cylinder; 3 cell for 150 mm cube; 1 cell for 150 mm cylinder; 1 cell for 300 mm cylinder; 3 cell for 150 mm cube as per DIN standard
Product code	SLE/CE/09
Manufacturer	Jain Scientific Equipments Pvt Ltd (ScienceLab) — OEM
Country of origin	India (made in Ambala, Haryana)

What Is the Concrete Permeability Apparatus Used For?

A mix is designed not only for strength but for durability in the conditions at the site, and resistance to water flow is one of the most important durability properties. In this test the specimen is sealed between two flanges with circular gaskets, water under pressure is applied to one face for the period your method specifies, and the specimen is then split to measure how far the water has travelled.

Three-cell models let a laboratory run a set of three specimens together, while the single-cell models take the larger 150 mm and 300 mm cylinders. Because cores from existing structures can be tested as well as laboratory-cast specimens, the apparatus serves both mix-design research and condition surveys. Seat each specimen squarely on its gasket so water can only enter through the test face.

What to Specify When Ordering

- Model: number of cells (1 or 3) and specimen type and size.
- Whether you need the version for 150 mm cubes as per DIN standard
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