

## CONCRETE PERMEABILITY APPARATUS

### As Per IS 3085 - 1965.

Used for determining permeability of cement mortar and concrete specimens of 15cm cast in the laboratory.

Consist of a gunmetal permeability cell, water reservoir and pressure lines, with glass bottles.

**Permeability Cell :** Consist of a metal cylinder with a ledge at the bottom for retaining the specimen, a flange at the top, removable cover plate and a funnel, a rubber or neoprene ring or gasket seated in matching grooves between the cell and the cover plate to render the joint water tight.

**Water Reservoir :** Consist of a length of metal pipe, 50 to 100 mm in diameter and about 500 mm long. The reservoir fitted with a graduated side arm gauge glass and the necessary fittings and valves for admitting water and compressed air and for drainage, bleeding and connection to the permeability cell.

**Pressure Lines :** Heavy duty armoured rubber hose with end fittings.



ORDER CODE	SPECIMEN TYPE	SPECIMEN SIZE	SPECIMEN ACCOMMODATION
AIC-CPA-C150S.	CUBE	150mmL x150mmW x150mmD	1
AIC-CPA-C150T.	CUBE	150mmL x150mmW x150mmD	3
AIC-CPA-D100S.	CYLINDRICAL	100mm Dia x100mm High	1
AIC-CPA-D100T.	CYLINDRICAL	100mm Dia x100mm High	3
AIC-CPA-D150S.	CYLINDRICAL	150mm Dia x150mm High	1
AIC-CPA-D150T.	CYLINDRICAL	150mm Dia x150mm High	3

### AIC-COMP-15. AIR COMPRESSOR. 15kg/cm<sup>2</sup>

Suitable to take Pressure up to 15kg/cm<sup>2</sup> fitted with Regulating Valves, Pressure Gauge and Safety Valve.

## CONCRETE IMPERMEABILITY APPARATUS. DIN STANDARD

### As Per DIN 1048.

The impermeability of Concrete can be determined in the laboratory by applying water under a controlled pressure to the surface of 200 mm square concrete prisms and measuring the penetration of water in to the specimen.

Suitable to operate on 440 Volts, 3 Phase, 50Hz, AC supply.

### AIC-CPA-3-DIN. CONCRETE IMPERMEABILITY APPARATUS. DIN STANDARDS. THREE GANG.

Comprises a set of 3 sealing clamps and gaskets, a pressure monitoring panel with 2000 Kpa test gauge and valves, 3 high capacity air/water assemblies which are used to supply water under pressure to the specimen.

## ACCESSORIES

### AIC-COMP-10. AIR COMPRESSOR. 10kg/cm<sup>2</sup>

Suitable to take pressure up to 10kg/cm<sup>2</sup> fitted with Regulating Valves, Pressure Gauge and Safety Valve.

