

CEMENT AUTOCLAVE PTE - CA - 228



KEY FEATURES

Robust Construction: Heavy-duty stainless steel or mild steel chamber designed to withstand high pressure and temperature during soundness testing of cement.

High Pressure Operation: Operates at 21 ± 1 kg/cm² (300 psi) pressure and 215–220°C, ensuring accurate and reliable results.

Precision Control: Fitted with high-accuracy pressure gauge, digital temperature indicator, and automatic pressure control system.

Uniform Heating: Efficient electric heating element ensures even steam distribution and consistent test conditions.

Safety Protection: Equipped with safety valve, pressure release valve, and overpressure cut-off system for operator safety.

Leak-Proof Lid Locking: Strong locking arrangement with heat-resistant gasket ensures perfect sealing during operation.

Specimen Holder: Comes with a removable stainless-steel rack for holding cement prisms or bars.

Water Level Monitoring: Integrated water level gauge helps maintain correct water level for consistent performance.

User-Friendly Design: Compact, portable, and easy to operate — suitable for laboratory environments.

Compliance: Conforms to IS:4031 (Part 3), ASTM C151, and BS 4550 standards for cement testing.

TECHNICAL SPECIFICATIONS

Parameters	Specification
Overall Dimensions	500 X 700 X 1150 (L X W X D) mm
Inner Chamber	15 cm diameter x 45 cm height
Gauge Dia	115 mm
Pressure gauge range	0-42 kg/Cm2 (0 - 4.1 MPA)
Scale Division	0.4 kg/Cm2 (0 - 4.1 MPA)
Gauge accuracy	± 0.2 Kg/cm2 (0.02 MPA)
Operating Pressure	21 Kg/cm2 (2.1 MPA)
Pressure Controller	0 - 21 Kg/cm2 (0.0 - 2.1 MPA)
Pressure Raise Rate	0 - 21 Kg/cm2 (0.0 - 2.1 MPA) in 60 min to 75 min
Pressure Regulator	Provided to regulate the pressure
Air Vent Valve	Provided
Safety Pop Valve	Set at 24 Kg/Cm2 (2.4 MPA)