



UNIVERSE CURING TANK AZA1166

The AZA-LAB Concrete Curing Tank (AZA1166) is a precision-engineered system designed for the controlled water curing of concrete cube and cylinder specimens. It ensures consistent temperature conditions, enabling accurate and repeatable compressive strength testing in compliance with international standards.

Developed for civil engineering laboratories, construction QA/QC units, and research facilities, the AZA1166 maintains water temperature at $27 \pm 2^{\circ}\text{C}$ (or user-defined settings) to simulate standard curing conditions as specified in IS 516, ASTM C511, and BS 1881.

Key Applications

- Concrete and material testing laboratories
- Construction site and mobile QA/QC labs
- Infrastructure and civil engineering projects
- Precast and ready-mix concrete plants
- Universities and research institutions

Compliance & Standards

- IS 516 – Methods of Tests for Strength of Concrete
- ASTM C511 – Moist Cabinets, Moist Rooms, and Water Storage Tanks
- BS 1881 – Methods of Testing Concrete





UNIVERSE

TECHNICAL SPECIFICATIONS

Parameter	Specification
Model No.	AZA1166
Product Type	Concrete Curing Tank
Capacity Options	12 / 24 / 36 cubes (customizable)
Tank Material	Stainless steel inner chamber
Outer Body	Insulated, powder-coated construction
Temperature Range	Ambient to 100°C
Temperature Accuracy	±2°C
Control System	Analog thermostat / Digital PID (optional)
Circulation System	Optional pump
Power Supply	230V AC, 50 Hz
Drain Valve	Included
Compliance	IS 516, ASTM C511, BS 1881
Application	Concrete curing and specimen conditioning