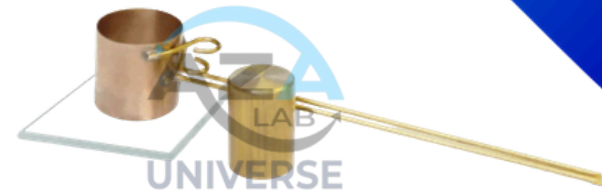




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LE CHATELIER MOULD AZA0792

The Le Chatelier Mould AZA0792 is a precision laboratory instrument designed to determine the soundness of hydraulic cement, ensuring its volumetric stability after setting. This test is critical in identifying excessive expansion caused by free lime or magnesia, which can lead to structural defects. Manufactured with high-grade materials and precise engineering, the mould provides accurate and repeatable expansion measurements in compliance with international testing standards.



Key Features

- Precision split-cylinder design for accurate expansion measurement
- Spring brass construction for controlled flexibility and durability
- Integrated indicator arms for precise reading of expansion
- Corrosion-resistant components for long service life
- Supplied with complete accessory set
- Suitable for laboratory, industrial, and academic use

Applications

- Cement manufacturing quality control
- Construction material testing laboratories
- Research & development facilities
- Civil engineering academic laboratories



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Working Principle

The instrument measures the expansion of cement paste under controlled conditions to evaluate its soundness.

Procedure:

1. Fill the mould with cement paste and place it on a glass plate.
2. Cover with a second glass plate to form a sealed setup.
3. Submerge in water and allow setting for 24 hours.
4. Boil the specimen for 3 hours.
5. Cool and measure the distance between indicator arms.
6. The difference in readings indicates the expansion value.

Standards & Compliance

- ASTM C151 – Autoclave Expansion of Hydraulic Cement
- IS 269 – Ordinary Portland Cement Specification

Applications

- High accuracy and repeatability
- Durable, corrosion-resistant construction
- Easy to use and maintain
- Complete setup for immediate testing
- Reliable results for compliance verification



TECHNICAL SPECIFICATION

Parameter	Specification
Model	AZA0792
Cylinder Material	Spring Brass
Cylinder Internal Diameter	30 mm
Cylinder Height	30 mm
Indicator Arms	Fixed on both sides of split cylinder
Accessories Included	Glass Plate, Base Plate
Standards Compliance	ASTM C151, IS 269
Application	Cement Soundness Testing

Standard Supply

- Le Chatelier Split Mould
- Indicator Arms (attached)
- Glass Plate
- Base Plate