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## **FLOW TABLE AZA0791B**

The Flow Table AZA0791B is a precision-engineered laboratory and field testing instrument designed to evaluate the workability, consistency, and flow characteristics of fresh cement mortar and concrete. It operates on a manual drop mechanism, ensuring controlled and repeatable testing in compliance with international standards.

This equipment is widely used in quality control laboratories, construction sites, and research facilities to assess mix performance and optimize material properties.

### **Key Features**

- Manual cam-operated drop mechanism for uniform operation
- Robust and stable base for vibration-free testing
- High-precision circular table for accurate spread measurement
- Durable construction (brass / stainless steel / mild steel options)
- Suitable for both laboratory and on-site applications
- Ensures repeatable and reliable test results

### **Applications**

- Cement and mortar testing laboratories
- Construction site quality control
- R&D and material testing facilities
- Admixture performance evaluation
- Academic and training laboratories





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### Working Principle

The test determines the flowability of fresh mortar or concrete by measuring the spread after a controlled number of drops.

Procedure:

1. Place the flow mould at the center of the table.
2. Fill with fresh mortar/concrete and tamp as per standard.
3. Lift the mould vertically.
4. Drop the table 25 times using the manual handle.
5. Measure spread diameter in two perpendicular directions.
6. Calculate the average value as the flow result.

### Standard Supply

- Flow Table Plate
- Flow Mould (Frustum Cone)
- Manual Handle with Cam Mechanism
- Rigid Base Frame

### Standards & Compliance

- IS 1199:1959 – Methods of Sampling and Analysis of Concrete
- ASTM C230 / C230M – Flow Table for Use in Tests of Hydraulic Cement

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## TECHNICAL SPECIFICATION

Parameter	Specification
Table Diameter	762 mm (30 inches)
Drop Height	12.5 mm – 25 mm
Number of Drops	25 (standard)
Table Material	Brass / Stainless Steel / Mild Steel
Flow Mould Dimensions	100 mm H × 100 mm top Ø × 200 mm base Ø
Operating Mechanism	Manual lever with cam-action
Base Frame	Heavy-duty rigid construction
Application	Mortar & Concrete Flow Testing

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