



UNIVERSE

FLOW CONE AZA0815

The AZA0815 Flow Cone Apparatus is a high-precision instrument used to determine the flowability, viscosity, and consistency of cement grout, mortar, and fine aggregate mixtures.

By measuring the time required for a material to discharge through a standardized orifice, the apparatus provides a reliable indication of fluidity and workability, which are critical for grouting operations and high-performance cementitious systems.

Designed for both laboratory and field use, the AZA0815 ensures accurate and repeatable results in applications involving cement grout, repair mortars, and high-flow materials.

Key Features

- Flow time determination of cement grout and fluid mortars
- Quality control in preplaced aggregate grouting systems
- Testing of self-compacting and high-fluidity grout mixes
- Evaluation of bentonite slurry and fine sand suspensions
- Construction site grout testing and monitoring
- Laboratory research and development of cementitious materials





Standards Compliance

- ASTM C939
- IS 9103

Product Features & Benefits

- Accurate Flow Measurement

Determines flow time precisely for assessing viscosity and consistency.

- Standards-Compliant Design

Meets ASTM and IS requirements for grout flow testing.

- Durable Construction

Made from corrosion-resistant stainless steel or anodized aluminum.

- Precision Orifice

Ensures consistent and repeatable discharge rates.

- Complete Testing Setup

Supplied with funnel, rigid stand, and calibration plate.

- Portable & Field-Ready

Suitable for both laboratory and on-site testing.

- Easy Cleaning & Maintenance

Smooth surfaces prevent material buildup.



TECHNICAL SPECIFICATION

Parameter	Details
Model	AZA0815
Equipment Type	Flow Cone Apparatus
Material	Stainless Steel / Anodized Aluminum
Cone Height	230 mm
Orifice Diameter	12.7 mm (ASTM Standard)
Capacity	Approx. 1 Liter
Stand	Powder-Coated Steel
Measurement Output	Flow Time (Seconds)
Standards Compliance	ASTM C939, IS 9103
Weight	Approx. 7 kg

Interpretation Guidance

- Low flow time → High workability, fluid grout
- High flow time → Thick mix, lower workability
- Consistent flow time → Uniform mix quality