



UNIVERSE

MARSH FUNNEL WITH MEASURING CUP AZA0811

The AZA0811 Marsh Funnel with Measuring Cup is a simple, reliable instrument used to determine the viscosity of drilling fluids, bentonite slurries, cement slurries, and similar suspensions in both laboratory and field environments.

By measuring the time required for a fixed volume of fluid (946 mL) to flow through a standardized orifice, the apparatus provides a quick and practical viscosity index, essential for maintaining proper fluid performance in drilling and construction applications.

Designed for durability, portability, and ease of use, the AZA0811 is widely used in geotechnical engineering, foundation work, drilling operations, and slurry-based construction processes

Key Features

- Viscosity measurement of drilling mud and fluids
- Bentonite slurry testing for diaphragm wall construction
- Cement slurry flowability evaluation
- Soil stabilization and grouting operations
- Foundation and piling works
- Field quality control and laboratory testing
- Geotechnical and civil engineering projects





Standards & Compliance

- API RP 13B-1
- ASTM D6910

Product Features & Benefits

- Fast & Practical Testing

Provides viscosity indication within seconds—ideal for on-site decisions.

- Portable & Field-Ready

Lightweight design allows easy transport to remote locations.

- Standardized Measurement

Fixed orifice and calibrated volume ensure consistent results.

- Durable Construction

Available in high-impact plastic or corrosion-resistant stainless steel.

- Complete Set

Supplied with a 946 mL graduated measuring cup for accurate testing.

- Easy to Operate

Simple manual procedure requires minimal training.

- Low Maintenance

Smooth internal surfaces allow quick cleaning and reuse.



TECHNICAL SPECIFICATION

Parameter	Details
Model	AZA0811
Equipment Type	Marsh Funnel Viscosity Apparatus
Funnel Material	Polypropylene / Stainless Steel (Optional)
Funnel Capacity	Approx. 1.5 Litres
Orifice Diameter	4.76 mm (0.1875 in)
Measuring Cup Volume	946 mL (1 US Quart)
Measurement Range	0 – 100+ seconds (fluid dependent)
Test Output	Flow Time (Seconds)
Standards Compliance	API RP 13B-1, ASTM D6910
Applications	Slurry, Drilling Mud, Cement Fluids

Interpretation Guidance

- Low flow time → Low viscosity (risk of poor stability)
- High flow time → High viscosity (risk of pumping difficulty)
- Optimal range → Balanced flow and stability (project-specific)