Soil Dispersion Mixer for Hydrometer Analysis of Soil

Model **SA-14F** | Brand **Master Science**



Soil Dispersion Mixer

The Soil Dispersion Mixer is designed to provide thorough and efficient mixing of soil samples in compliance with ASTM and AASHTO test methods. This robust and reliable equipment ensures accurate preparation for hydrometer analysis, leveraging its specialized mixing blade and baffled dispersion cup.

KEY HIGHLIGHTS

- Built for long-lasting performance in laboratory settings.
- High-Performance Motor
- Specialized Dispersion Cup
- Manual Pulse Switch

Request a Quotation
Contact us for pricing, configuration options and delivery details.

support@themsci.com
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Key Benefits

COMMERCIAL-GRADE DURABILITY

Built for long-lasting performance in laboratory settings.

KEY FEATURES

High-Performance Motor
A powerful 1/3hp motor with selectable speeds of 13,000, 16,000, and 18,000 RPM ensures optimal mixing for different soil types.

Heavy die-cast aluminum housing and a reinforced spindle withstand repeated use in laboratory environments.

Specialized Dispersion Cup
A stainless steel dispersion cup featuring four internal baffles guarantees consistent soil sample mixing as per test requirements.

Manual Pulse Switch
Provides additional control for customized mixing.

Technical Specifications

PARAMETER	SPECIFICATION
Capacity29oz (0.85L)	
Speed Options13,000, 16,000, and 18,000 RPM	
Motor Power1/3hp	

PARAMETER	SPECIFICATION
Electrical Options (Dimensions)	6.5x6.75x20.5in (165x171x521mm) (WxDxH)
Electrical Options (Weight)	17.0lb (7.71kg)
115V/60Hz, 7.5 Amps	
230V/50-60Hz, 1.3 Amps	

Test Compliance

- Fully meets ASTM and AASHTO test method requirements.
- Improved Efficiency
- Optional accessories streamline sample preparation and testing workflows.
- The Soil Dispersion Mixer is an essential tool for laboratories conducting hydrometer analysis, offering precision, durability, and compliance with industry standards.

Standard Accessories Included

- Soil Dispersion Mixer (115V, 60Hz or 230V, 50/60Hz)
- Stainless Steel Baffled Dispersion Cup
- SAA-2 Replacement Blade: Replacement for worn or damaged blades.
- SA-16 Dispersion Cup: Additional dispersion cups for enhanced efficiency and compliance with test standards.