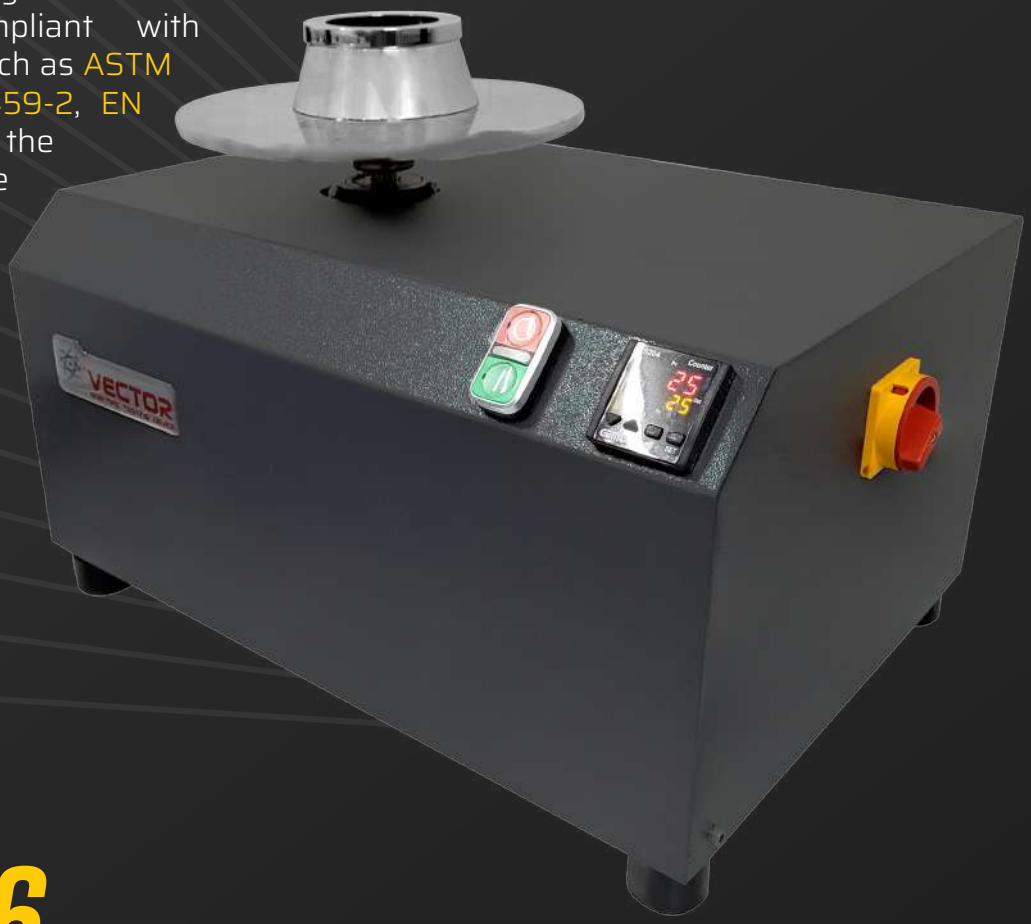
VECTOR
SCIENTIFIC TESTING DEVICES

CEMENT FLOW TABLE

Enhance the accuracy and reliability of your cement, lime, and mortar testing with our versatile Cement Flow Table. Designed to determine the consistency, flow, and workability of fresh mixtures, this essential tool is ideal for construction sites and laboratory settings focused on quality control and material analysis. Compliant with international standards such as ASTM C230, ASTM C109, EN 459-2, EN 1015-3, and EN 3279-2, the Cement Flow Table provides crucial insights into the characteristics of building materials, aiding in the assessment of workability, cohesion, and consistency crucial for construction applications.



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Vector Flow Table

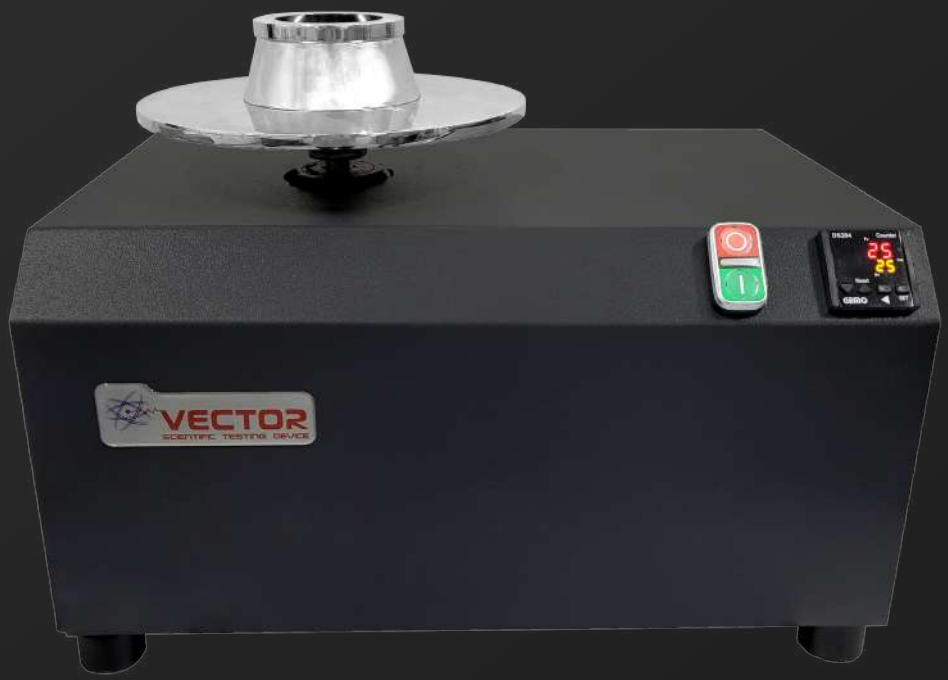
Essential Tool for Determining Cement and Mortar Consistency

Overview

Our Cement Flow Table is available in both manual and motorized models to suit different user preferences and testing requirements. The manual model features a hand-operated wheel that allows precise control over the drip rate by turning the handwheel, enabling users to adjust the flow rate and achieve accurate results. The motorized model is equipped with a motor speed reducer and mechanical fittings that ensure the table operates at a consistent rate of one revolution per second. The number of drops is preset on a digital revolution counter, and the machine stops automatically when the required number of drops is reached, streamlining the testing process and ensuring repeatability.

Key Features

- Versatile Functionality: Capable of determining the consistency, flow, workable life, and water vapor permeability of freshly mixed concrete, mortar, or similar materials.
- Standardized Testing Procedure: Measures the flow or spread of mixtures under standardized jolting or dropping actions, providing consistent and reliable results that reveal essential characteristics of the materials tested.
- Manual or Motorized Options: Offers flexibility in operation, with manual models featuring handwheel control for precise adjustments and motorized models ensuring consistent operation within specified standards.
- Durable Construction: Boasts a robust design with components made of stainless steel or high-quality brass, ensuring longevity and precision in testing.
- Compliance with International Standards: Meets ASTM C230, ASTM C109, ASTM C452, ASTM C87, EN 459-2, EN 1015-3, and EN 13279-2 specifications, guaranteeing adherence to industry requirements.
- Automatic Operation (Motorized Models): The motorized flow table stops automatically when the preset number of drops is reached, enhancing efficiency and repeatability.
- Comprehensive Testing Accessories: Supplied with molds, tampers, and for EN models, a filling hopper, enabling users to perform tests immediately without the need for additional accessories.



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Vector Cement Flow Table

The table comes in two versions to comply with different standards: EN and ASTM.

Both versions are supplied complete with molds and tampers, facilitating comprehensive testing procedures right out of the box. The apparatus consists of a circular top table with a spindle and tripod, providing a stable and durable platform for testing. The EN models also include a filling hopper, enhancing the ease of specimen preparation.

EN Version:

- Features a 300mm diameter table made of stainless steel.
- Includes a conical mold made of stainless steel with dimensions of 100mm base diameter, 70mm top diameter, and 60mm height.
- Equipped with a stainless steel hopper for easy and uniform filling of the mold.

ASTM Version:

- Features a 254mm diameter table made of high-quality brass with a smooth plane surface finish.
- Includes a conical mold made of brass with dimensions of 100mm base diameter, 70mm top diameter, and 50mm height.
- Comes with a bronze spreading mold and a Ø40×200mm bronze mallet weighing 250g for comprehensive testing.

TECHNICAL SPECIFICATION

Specification	EN Version	ASTM Version
Operation	Manual or Motorized	Manual or Motorized
Table Diameter	300 mm	254 mm (10 inches)
Table Material	Stainless Steel	Bronze
Mold Material	Stainless Steel	Brass
Mold Dimensions		
- Base Diameter	100 mm	100 mm
- Top Diameter	70 mm	70 mm
- Height	60 mm	50 mm
Includes		
- Mould	Yes	Yes
- Tamper	Yes	Yes
- Hopper	Yes (Stainless Steel)	Not included
- Spreading Mold	Not applicable	Bronze
- Mallet	Not applicable	Ø40 × 200 mm Bronze Mallet (250 g)
Drip Rate Adjustment	Manual Handwheel (Manual Models)	Manual Handwheel (Manual Models)
Motorized Operation	Motor speed reducer at 1 revolution per second	Motor speed reducer at 1 revolution per second
Automatic Stop	Yes, via digital revolution counter (Motorized Models)	Yes, via digital revolution counter (Motorized Models)
Number of Drops	Preset on counter (Motorized Models)	Preset on counter (Motorized Models)
Power Supply	230 V, 1 phase, 50 Hz, 150 W (Motorized Models)	230 V, 1 phase, 50 Hz, 150 W (Motorized Models)
Standards Compliance	EN 459-2, EN 1015-3, EN 13279-2	ASTM C230, ASTM C109, ASTM C452, ASTM C87
Construction	Circular top table with spindle and tripod	Circular top table with spindle and tripod
Operation Rate	1 revolution per second (Motorized Models)	1 revolution per second (Motorized Models)
Adjustment of Drop Rate	Manual via handwheel (Manual Models)	Manual via handwheel (Manual Models)
Automatic Digital Counter	Included in Motorized Models	Included in Motorized Models