

BOGHI Engineering & Software Technologies Private Limited

Branch Off: 4th Floor; CoKarma, Veer Chambers, Begumpet, Secunderabad, Telangana State-500016. Cell:9121003011

Regd. Off: Plot No.11, Anand Nagar-1, Bandlaguda, Nagole, Hyderabad, Telangana State-500068. Cell: 9347006933/9704010147

www.boghiengineering.com



BOSTWICK CONSISTOMETER

The Bostwick Consistometer is the preferred choice for **measuring consistency and flow rate** in a variety of products. You can use the "Bostwick" on any viscous material such as sauces, salad dressings, paints, chemicals, or cosmetics. *The normal way to use the Consistometer is to measure the distance a sample flows in a given time interval.*

The "Bostwick" is a long trough with 0.5 cm graduations along the bottom. The trough is separated near one end by a spring-loaded gate. This forms a chamber where the sample is loaded. To perform a test, first a sample is loaded, then the gate is opened and a timer is started. At a predetermined time, the position of the sample in the trough is recorded.

The "Bostwick" also complies with the procedures established in **Mill Spec R-81294D & ASTM F1080-93**. The "Bostwick" Consistometer is built for ease of operation and heavy-duty use. The unit is made from stainless steel which resists corrosion. To clean it after a test, simply wash it out with water.

The spring-loaded gate makes the start of a test instantaneous and precise. The levelling screws and spirit level insure proper set-up.

BOSTWICK CONSISTOMETER (MAKE: PTECH-INDIA)

The Bostwick Consistometer is a small benchtop instrument for ***accurately checking laboratory or production samples against consistency, viscosity, or flow rate standards***. It is used to determine the consistency of viscous material by measuring distance that material flows under its own weight in a given time interval. This Instrument allows manufacturer of such viscous products as sauces, jellies, etc to predetermine formulas for their products & to standardize.



FEATURES:

- Stainless Steel Construction
- Compact Size
- Spring Loaded Gate
- 2 levelling Screw & Spirit Level
- Engraved scales

Suitable for testing many viscous materials including:

- Tomato Sauces, Soups, Purees, Preserves, Jams,
- Jellies, Pickles, Cake Filling, Icings, Frostings,
- Baby Foods Salad dressings, Mayonnaise, Gravy,
- Cheese sauces, Ready meals, Cosmetics and Paints, Fruit Pulp.

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BOSTWICK CONSISTOMETER (MAKE: CSC SCIENTIFIC-USA)

- ✓ **RECOMMENDED FOR QUALITY ASSURANCE**
- ✓ Checks Laboratory or Production Samples, Against Consistency, Viscosity or Flow Rate Standards

USES & APPLICATIONS

FOOD PROCESSING

- Fillings
- Soups
- Baby Foods
- Salad Dressings
- Suggested by USDA

COSMETICS FORMULATIONS

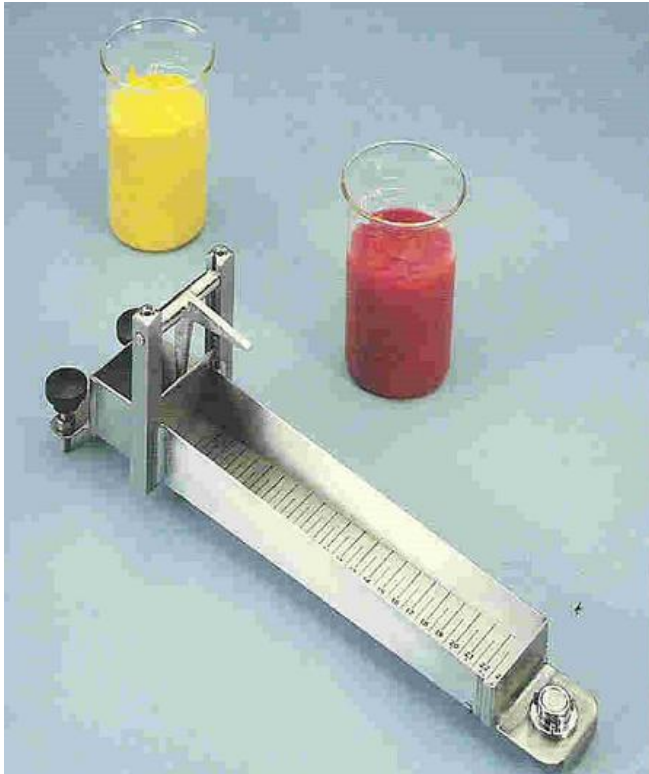
- Lotions
- Shampoos
- Flow Base Creams

PAINT MANUFACTURING

- Epoxy Removers
- Polyurethane Paint
- Adhesives
- Coatings
- Mil Spec R-81294b
- Tomato Sauces + Others.
- Preserves

CHEMICAL PRODUCTION

- Selected Solvents
- Viscous Liquids
- Slurries & Emulsions



OPERATIONAL FEATURES & SPECIFICATIONS

- ❖ **Stainless Steel Construction**
 - Resists Corrosion
 - Holds up Under Plant Conditions
 - Appropriate for Laboratory Use
- ❖ **Engraved Graduations in 0.5 cm Divisions**
 - Wear & Smear Resistant
 - Assures Accurate Results
- ❖ **Small Size 14" L x 3 1/2" W x 5 1/2" H**
 - Uses Little Bench Space
 - Requires 75 ml Sample only.
- ❖ **Spring Loaded Gate**
 - Instantaneous Gate Release
 - Prevents Premature Flowing of Sample
- ❖ **2 Levelling Screws & Spirit Level**
 - Precise Positioning of Flow Angle
 - Assures Reproducibility



BOSTWICK CONSISTOMETER (MAKE: CSC SCIENTIFIC-USA)

Checks Consistency, Viscosity or Flow Rate Standards

- The Consistometer is a low cost, durable and simple instrument widely used by industry to evaluate the consistency of viscous materials.
- It provides a single parameter for a variety of flow tests which can be carried out over any period under as near identical conditions as possible.
- The Consistometer is manufactured from stainless steel engraved with a series of precise graduations at 0.5cm intervals. The sample is initially retained in a reservoir behind a spring-loaded gate prior to testing.

METHOD OF USE

- A measured sample, usually 75 ml, is placed in the reservoir behind the gate (Fig.1)
- The gate is released, by pressing the lock release lever, while the spring section ensures it opens instantaneously. (Fig.2)
- As the fluid flows down the instrument its progress can be accurately measured using the graduated scale. By comparing the flow rate to specified time periods the physical properties of the sample can be calculated. (Fig.3)
- To ensure accurate reproducibility the instrument is levelled using the adjustment screw and spirit level.

SPECIFICATIONS:

- Length : 355 mm
- Width : 88 mm
- Height : 104 mm
- Material: Stainless Steel

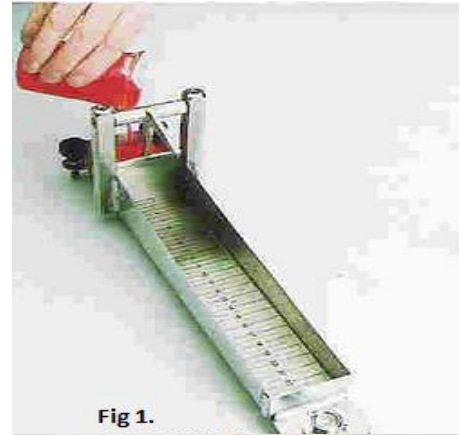


Fig 1.



Fig 3.
RECORD FLOW RATE



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BOSTWICK CONSISTOMETER (MAKE: CSC SCIENTIFIC-USA)

PRODUCT SPECIFICATIONS:

Stainless Steel Construction

- Resists Corrosion
- Holds up Under Plant Conditions
- Appropriate for Laboratory Use

2 Levelling Screws & Spirit Level

- Precise Positioning of Flow Angle
- Ensures Accurate Results

Small Size 14"L (trough length approximately 11 ½ "L) X 3 ½" W X 5 ½" H

Long Size 17"L (trough length approximately 14 ½ "L) X 3 ½" W X 5 ½" H

- Resists Corrosion
- Hold Up Under Plant Conditions
- Appropriate for Laboratory Use

Spring-Loaded Gate

- Instantaneous Gate Release
- Prevents Premature Flowing of Sample

Engraved Graduations in 0.5 cm Divisions

- Wear & Smear Resistant
- Ensures Accurate Results

