

BLAINE APPARATUS

The Blaine Apparatus is used to determine the particle size of Portland cement, Limes and similar fine Powders by measuring the time required for fixed volume of air to flow through a compacted bed of the test material.



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SPECIFICATION

Permeability Cell: Brass, internal diameter 12.7mm

Perforated Disc: 0.17mm thick, 30-40 holes of 17mm diameter, marked face for orientation

Plunger: Metal rod with collar to compact sample at fixed height at 15 mm.

Manometer: U-shaped glass tube filled with oil, with markings to measure airflow time.

STANDARDS

IS 5516:1996

FEATURES

Simple manual operation: Enables easy use with minimal training required.

High-Precision U-Tube Manometer: Clear glass with millimeter scale for accurate pressure measurement.

Durable Build: Made from corrosion-resistant steel, ensuring long service life and repeatability.

ACCESSORIES

Rubber Aspirator Bulb: Used to create suction and draw air through the cement sample.

Plunger: It is used to compact the cement sample at a fixed height.

Glass U-tube manometer: For measuring air flow time.

Rubber Tubing: This is for connection

Manometer Liquid: It is used to indicate air flow time through the cement bed to determine its fineness.

ORDERING CODE

CH-CM-BL001-IS

The Blaine Apparatus is supplied complete with sturdy metal body, U-Tube glass manometer, filter, manometer liquid, glass thermometer and plunger with BIS certificate.