

BLAINE AIR-PERMEABILITY APPARATUS (C035)

Category: Cement



Product Code: C035

Category: CEMENT

Sub-Category: FINENESS OF CEMENT

- The Blaine Air-Permeability Apparatus is designed to determine the fineness of hydraulic cement by measuring its specific surface area, expressed in square centimeters per gram or square meters per kilogram.
- The apparatus operates by drawing a defined volume of air through a compacted bed of cement with a specified porosity. The resistance to airflow is measured to calculate the specific surface area, providing an indication of the cement's fineness.
- Constructed with high-quality materials, including a stainless steel permeability cell and plunger, the apparatus ensures durability and consistent performance in laboratory environments.
- The inclusion of a U-tube glass manometer with a valve allows for precise measurement of pressure differentials during testing, enhancing the accuracy of results.
- The apparatus is supplied with essential accessories, such as filter papers, manometer liquid, and a rubber aspirator bulb, facilitating immediate use upon setup.

STANDARDS

ASTM C204 • EN 196-6 • AASHTO T153 • BS 4359-2

TECHNICAL SPECIFICATIONS

- Manometer: U-tube glass with valve
- Permeability Cell: Stainless steel
- Plunger: Stainless steel
- Perforated Disc: Non-corroding metal, 0.9 mm thick, 30-40 holes of Ø 1 mm
- Filter Paper: Circular, matching cell diameter
- Accessories: Rubber aspirator bulb, manometer liquid

SET

- U-tube glass manometer with valve
- Stainless steel permeability cell and plunger
- Perforated disc (0.9 mm thick, 30-40 holes of Ø 1 mm)
- Pack of 100 filter papers
- Rubber aspirator bulb
- Manometer liquid
- Stand

ORDERING INFORMATION

Item	Code
BLAINE AIR-PERMEABILITY APPARATUS	C 035 H00X H
FILTER PAPER for C-035	C 035 P001 H
U-TUBE GLASS MANOMETER for C-035	C 035 P002 H
DIGITAL BLAINE AIR-PERMEABILITY APPARATUS	C 035 A00X U

Keywords: Blaine Air-Permeability Apparatus, cement fineness tester, ASTM C204, EN 196-6, AASHTO T153, BS 4359-2, specific surface area measurement, hydraulic cement testing, cement laboratory equipment, ALFA Testing Equipment, cement permeability test