

## DETERMINATION OF CEMENT FINENESS THROUGH BLAINE METHOD

STANDARDS: EN 196-6 | ASTM C204 | AASHTO T153 | BS 4359-2

### E009-KIT BLAINE AIR PERMEABILITY APPARATUS MANUAL

Used to determine the fineness of Portland cement in terms of the specific surface expressed as total surface area in square centimeters per gram of cement.

The apparatus is supplied with glass U-tube manometer with valve, steel stand, test cell with disk and plunger all in stainless steel, rubber aspirator bulb, 1000 filter paper disks, manometric liquid, vaseline grease for better coupling tube/cell, funnel, brush.

The instrument conforms to EN 196-6 Standard and it is comparable to AASHTO, ASTM and BS

**Dimensions:** 220x180x470 mm

**Weight:** 12 kg approx.



**E009 KIT + E055-08A**

### ACCESSORIES

**E010-02** STANDARD REFERENCE CEMENT SN3c to calibrate the Blaine.

**E055-08A** GLASS ALCOHOL THERMOMETER 0 to +50 °C.

### SPARES

**E010-01** U-tube glass manometer complete

**E010-03** Manometric liquid 250 ml bottle

**E010-04** Filter paper discs, porosity: 2 micron (pack of 1000 pieces)

**E010-08** Test cell, comprises cell body, plunger and perforated disk, stainless steel made

**E010-07** Cell perforated disk, stainless steel made

### E011 BLAINE AIR PERMEABILITY APPARATUS SEMI-AUTOMATIC, ELECTRONIC

Electronic Blaine air permeability apparatus with semi-automatic test-cycle, electric suction pump, time registration and measuring section with photoelectric barrier. At the end of the test the time is displayed automatically. Precision of time displayed: 0.15.

The apparatus is delivered complete with filter papers (1000 pcs.), oil, light grease, plug, thermometer, brush and funnel.

**Power supply:** 110-230V 50-60Hz

**Dimensions:** 170x300x410 mm

**Weight:** 4.6 kg



**E011**

### E011-01N BLAINE AIR PERMEABILITY APPARATUS AUTOMATIC, PC-CONTROLLED

This automatic electronic apparatus is designed for the fully automatic test procedure and evaluation; the software automatically acquires all test data and performs average calculations. Complete with filter papers (1000 pcs.), oil, light grease, plug, internal sensor, brush and funnel. Provided with software but without PC (which is required).

**Power supply:** 110-230V 50-60Hz

**Dimensions:** 170x280x410 mm

**Weight:** 4.7 kg



**E011-01N**