



Blaine Air Permeability (H-3810) Replacement Parts


Blaine Semi-Automatic Apparatus (H-3056.3F) Replacement Parts


**Blaine Air Permeability Apparatus**
ASTM C204; AASHTO T153

Determines fineness of Portland cement in terms of specific surface expressed as total surface area in square centimeters per gram of cement. Consists of: calibrated U-tube manometer, ground glass joint, stainless steel test cell and plunger, rubber aspirator bulb and perforated disc. Includes 8 oz (226.8g) bottle of red manometer fluid, filter paper, wood block for holding test cell during filling and funnel. Mounted on finished wood panel with rubber-footed base.

Blaine Air Permeability Apparatus H-3810

Ship wt. 7lbs. (3.1kg)

H-3810 Accessories & Replacement Parts

| Description | Model |
|---|---|
| Rubber bulb | H-3811 |
| Cell and plunger | H-3812 |
| Cell and plunger, Calibrated | H-3812CAL |
| Perforated brass disc | H-3813B |
| Perforated stainless steel disc | H-3813S |
| Manometer fluid, 8oz (240ml) | H-3814 |
| Monometer u-tube, calibrated | H-3815 |
| Filter paper discs, medium retentive, 1.27cm, pkg 1000 | H-3816.1M |

**SRM 114q - Portland Cement Fineness Standard**
This Standard Reference Material (SRM) is used in calibrating fineness testing equipment according to ASTM Standard Methods. The SRM unit consists of a glass vial with plastic caps containing powdered cement (each vial is contained in a sealed foil bag). Each vial contains approximately 5g of cement.

SRM 114q, 1 vial H-3817
SRM 114q, package of 20 H-3817.20

Ship wt. 0.5lbs. (0.2kg)

**Blaine Apparatus, Semi-Automatic**
ASTM C204; AASHTO T153, EN 196; DIN 1164; BS 4550

Determines fineness of cement in terms of specific surface expressed as total surface area square centimeters per gram. To obtain the most accurate results, the test should be performed in a temperature-controlled environment. The Semi-automatic Blaine Apparatus provides more accuracy and precision than provided by the manual Blaine Apparatus. The device uses an automatic pump and timer to evaluate the time precisely. Calibration of this unit is done using a cement sample reference, such as NIST 114q. To obtain the most accurate results, the test should be performed in a temperature controlled environment. Unit includes: the unit with an electric pump and timer; measuring cell, filter papers ( 12.8mm, 1000pk; fill oil (50ml); plug; thermometer; brush and funnel.

Blaine Apparatus,Semi-Automatic H-3056.3F

Ship wt. 15lbs. (6.8kg)

H-3056.3F Accessories & Replacement Parts

| Description | Model |
|---|---|
| Calibration Sand, Coarse | H-3056.2 |
| Calibration Sand, Fine | H-3056.4 |
| Fill Oil | H-3056.5 |
| Light Grease | H-3056.10 |
| U-shaped Tube | H-3056.6 |
| Filter Papers, 12.8mm (1000) | H-3056.1 |
| Measuring Cell | H-3056.11 |
| Perforated Disc | H-3056.8 |
| Tamper | H-3056.13 |

NOTES

.3F part numbers are 120/220V 50/60Hz

**Electronic Blaine Apparatus, Dyckerhoff**
(see next page)

The Electronic Blaine Apparatus, Dyckerhoff system is a semi-automatic device with pump and time registration for the rapid determination of specimen characteristics. This device is a semi-automatic cement air permeability tester used for the determination of the specific surface or Blaine value. Once the test material is set inside the chambers, the test procedure is able to measure the values for the user. Measuring cell dia. is 41 mm (1.6"). Volume of measuring cell is 73 $cm^3$. **Unit includes apparatus, measuring cell, filter papers ø41mm 500pk, fill oil 150ml, tamper and dust filterø13mm.**

Electronic Blaine Apparatus, Dyckerhoff H-3058.3F

Ship wt. 47lbs. (21.3kg)

**PC-Controlled Blaine Apparatus, Dyckerhoff**
(see next page)

The PC-controlled, electronic Blaine Apparatus, Dyckerhoff system provides a fully automatic test procedure and evaluation, complete with software, for one cell. Once the test material is set inside the chambers, the test procedure is able to measure the values for the user. This device provides quick test preparation, which does not require the operator to determine the weighed quantity, as precise as he would for the standard procedure. After test preparation, the device can perform the test in full automation, recording all information without need of supervision Software automatically records all information without need of supervision. Apparatus and software are able to measure the final result for the user. Measuring cell dia. is 41 mm (1.6"). Volume of measuring cell is approximately ca. 75 $cm^3$. Comes complete with apparatus, measuring cell, filter papers ø41mm 500pk, fill oil 150ml, tamper and dust filter ø13mm.

**Does not include required PC.** See next page for replacement parts and accessories.

PC-Controlled Apparatus, Dyckerhoff H-3059.3F

Ship wt. 47lbs. (21.3kg)