

# OPERATING INSTRUCTIONS

## Blaine Air Permeability Apparatus

### 38-1000

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## **1 Introduction**

Determination of Fineness using Blaine's Apparatus (EN196-6, BS 4359-2, ASTM C204)

- 1.1 The determination of specific surface of a powder is a commonly accepted method for checking particle size of that powder. There are several ways of doing this, of which the cement industry uses an air permeability method.
- 1.2 This method has been adopted in Europe as the definitive means of determining the fineness of cement and other 'powder' materials
- 1.3 Blaine Air Permeability Apparatus comes complete with stainless steel cell, perforated disc and plunger. A manometer U-tube, aspirator, bottle of manometer liquid and a box of filter papers are supplied with the apparatus.

## **2 Operation**

- 2.1 Refer to the relevant standard for all information required for this test.

## **3 Accessories and Spares**

38-0620	Manometer liquid (Pure Mineral Oil)
38-0640	Reference cement
38-0650	Filter papers
38-1000/10	Manometer U-Tube
38-1000/15	Blaine Air Permeability Cell