

**E014**

**Le Chatelier flask**

STANDARDS: EN 196-6 / ASTM C188  
AASHTO T133 / UNE 83453  
Used to determine the relative density (specific gravity) of hydraulic cement and lime. Capacity 250 ml. The neck is graduated from 0 to 1 ml and from 18 to 24 ml with divisions of 0,1 ml.  
Weight: 500 g



ACCESSORY:

**V192-08**

CHATTAWAY SPATULA, 120 mm long.



**E016**

**Water flowing sieves device**

STANDARD: D.M. 3/6/68

Used to determine the fineness of cement. It consists of a spraying unit with feed cock and gauge; brass sieve body 85 mm dia. and 95 mm high with two stainless steel cloth disks having opening 0,18 and 0,09 mm. A cement sample of 25 g. is placed inside the sieve and washed for two minutes by means of the spraying unit put on top of the sieve. The residue of the retained cement is obtained by drying the sieve at 110 °C.  
Weight: 3 kg

SPARES: **E016-01** Stainless steel cloth disk, opening 0,18 mm  
**E016-02** Stainless steel cloth disk, opening 0,09 mm



**E017**

**Fineness of fly ash by wet sieving**

STANDARDS: EN 451-2 / ASTM D430

The set, brass made, consists of: sieve dia. 50 mm. with stainless steel mesh opening 0,045 mm, spray nozzle 17,5 mm ID with 17 holes dia. 0,5 mm, pressure gauge dia. 80 mm range 0-160 kPa, div. 5 kPa, fittings and connectors. Weight: 3 kg



**E029**

**Measurer 400 ml capacity**

STANDARDS: ASTM C185-85 / AASHTO T137  
To determine the air content of freshly mixed mortars by the density method.  
Steel made, internal diameter 76,2x88,1 mm height.

ACCESSORIES:

**E087-06**

HARD WOOD TAMPER

**E055-07**

GLASS PLATE, nominally 120 mm diameter

**V192-08**

CHATTAWAY spatula



**E020**

**Bulk cement sampler**

STANDARDS: EN 196-7 / ASTM C183 / AASHTO T127  
Used to sample cement in bulk storages or shipment.  
Brass made, it consists of two concentric tubes with slots.  
Inside tube volume is 3 litres approx.  
Dimensions: dia. 40x1500 mm. Weight: 5 kg

**E021**

**Packaged cement tube sampler**

STANDARDS: EN 196-7 / ASTM C183 / AASHTO T127  
Used to sample cement homogeneously from cement bags.  
Dimensions: dia. 32x1050 mm. Weight: 3 kg



**E025**

**Bulk density of cement**

This apparatus is used for the measurement of the apparent density (bulk density) of powders and non-cohesive materials. It consists of sieve funnel with tripod, unit weight measure 1 litre capacity, spatula, straight edge, aluminium scoop.  
The discharge hole of the funnel has 8 mm dia.  
Dimensions: dia. 350x520 mm  
Weight: 6 kg

