

### HEAT OF HYDRATION CALORIMETER

#### STANDARD

**EN 196-8** – BS 4550, 1370 – ASTM C186  
– UNI 7208 – UNE 80102

Used to determine the heat of hydration of low heat Portland and hydraulic cement.

#### 62-L0071

**Heat of hydration calorimeter.**

230 V, 50-60 Hz, 1 ph.

#### 62-L0071/Z

Same as above but 110 V, 60 Hz, 1 ph.

### General description and specifications

The apparatus consists of a Dewar flask, which is housed in an insulated box, a constant speed electric stirrer, a filler funnel, and a Beckman type thermometer with reader.

**Overall dimensions:**  
300x200x650 mm approx.

**Weight approx.:** 13 kg



62-L0071

### Accessories

➤ **86-D0805** Paraffin wax 1 kg, melting point approx. 60°C. Used to coat all glass surfaces in contact with hydrofluoric acid

➤ **62-L0072** Special set of glassware for water content determination including silica combustion tube with silver wool, absorption tubes for silica gel and magnesium perchlorate, bubbler for sulphuric acid

### Spare parts

➤ **62-L0071/1** Dewar flask

➤ **62-L0071/2** Beckman thermometer

➤ **62-L0071/3** Filler funnel

### LOSS ON IGNITION

#### 10-D1418/A

**Muffle furnace 1200°C max. temperature.**

230 V, 50-60 Hz, 1 ph.

#### STANDARD

**EN 196-2**

### General description and specifications

Used for determining the loss on ignition of cement and building lime.

**Max. temperature:** 1200°C

**Power:** 4200 W

**Inside dimensions:**  
210x280x145 mm (l x w x h)

**Outside dimensions:**  
510x650x650 mm

**Weight approx.:** 70 kg



10-D1418/A

### HEAT OF HYDRATION OF CEMENT

#### 65-D1409

**Water bath with cooler unit.**

230 V, 50-60 Hz, 1 ph.

#### 65-D1409/Z

Same as above but 110 V, 60 Hz, 1 ph.

#### STANDARD

**EN 196-1, 196-8**



65-D1409

### General description and specifications

Used for controlling relatively low water temperatures in areas where the ambient temperature is quite high. In this case it is used for storing the hydrated samples at a temperature of  $20 \pm 0.2^\circ\text{C}$ . Internal surfaces of polished stainless steel and housed in a sheet steel insulated outer case. The cooler unit is located under the water bath. Supplied complete with stainless cover.

**Capacity:** 40 litres

**Power:** 2000 W

**Temperature range:** +10 to +95°C

**Accuracy:**  $\pm 1\%$ .

**Inside dimensions:** 550x360x200 mm

**Outside dimensions:**  
830x480x950 mm

**Weight approx.:** 62 kg