

### BINDER EXTRACTION AND SEPARATION OF MINERAL MATTER. AUTOMATIC EXTRACTION

#### STANDARD

EN 12697-1, DIN 1996, ASTM D2172,  
CNR a. VII No. 38

#### Introduction

Used for the separation and extraction of bitumen by use of solvent and sieving, for the separation of filler by centrifuge action and for the recovery of solvent material. The complete cycle is carried out automatically.

We propose two models: 75-B0005/A without test sieves and model 75-B0005 complete with four 200 mm dia. sieves with pan as described. The unit can be completed with the cabinet with aspirator as shown.

#### 75-B0005/A

**Automatic extraction unit.**

380 V, 50 Hz, 3 ph.

#### 75-B0005

**Automatic extraction unit with set of sieves.** 380 V, 50 Hz, 3 ph.

#### General description and specifications

The 75-B0005/A testing unit comprises:

- A sieving unit with solvent spraying nozzle to separate and wash out the asphalt sample capacity 7 sieves 200 mm dia.
- A filterless centrifuge to separate the filler from the solvent and bitumen solution.
- A solvent recovery unit to recover the solvent.

The apparatus is supplied complete with separate electric control panel and three spare cups for the extraction centrifuge. 75-B0005 model is also supplied with the following parts:

- 200 mm dia. stainless sieve 75 µm op., 250 µm op., 710 µm op., 2 mm op.
- 200 mm dia. sieve frame only
- 200 mm dia. sieve pan
- O-ring gaskets for above.
- Pack of 100 lining paper sheet.

Other testing sieves of different openings can be used on the machine. Please refer to the testing sieves section of this general catalogue.

- Fully automatic testing cycle:
  - Sieving
  - Centrifuge extraction
  - Solvent recovery
- Conforms to latest anti-pollution requirements
- Ideal for mastic asphalt
- Big reduction of toxic fumes in the laboratory
- High extraction capacity: up to 400 g of filler per test
- Sensible reduction of extraction time
- Avoids solvent handling by the operator
- Low quantity of solvent material used and sensible reduction of extraction cost



**Max. quantity of asphalt per extraction:** 3.5 kg

**Max. quantity of filler:** 300-400 g

**Time required for a complete extraction:** from 25 to 45 min

**Max. solvent recovery capacity:** from 40 to 50 l/h

**Rotating speed:** 12000 r.p.m.

**Current specifications:** 220-380 V, 50-60 Hz, 3 ph., 3.5 kW

**Overall dimensions of the testing unit:** 1200x650x1200 mm approx.

**Weight approx.:** 170 kg

#### Spare parts

- 75-B0005/1 Spare stainless cup for centrifuge
- 15-D2330/J 200 mm dia. stainless sieve 75 µm op.
- 15-D2275/J 200 mm dia. stainless sieve 250 µm op.
- 15-D2230/J 200 mm dia. stainless sieve 710 µm op.
- 15-D2185/J 200 mm dia. stainless sieve 2 mm op.
- 75-B0005/2 Spare lining paper for centrifuge cup. Pack of 100
- 75-B0005/8 O-ring gasket. Pack of 10
- 15-D2001/J 200 mm dia. sieve frame only