

PAPER FILTER METHOD

75-B0016

Hot extractor test set.
Paper filter method

STANDARD

EN 12697-1 clause B.1.1,
EN 12697-14 and BS 598

General description and specifications

Used for the extraction of binder from hot mixed paving mixtures. The moisture content may be determined using this apparatus.

It consists of a:

- Steel pot with gasket and gauze container
- Dean and Stark receiver
- Liebig condenser and a box of filter paper.

Whatman No. 5x400 mm dia. or equivalent.

Overall dimensions (assembled):

1000x500x500 mm

Weight approx.: 25 kg



75-B0016

Accessories

- 10-D1402 Hot plate 230 V, 50-60 Hz

SOXHLET METHOD

75-B0018/C

Soxhlet extractor.
230 V, 50-60 Hz, 1 ph.

STANDARD

EN 12697-1 clause B.1.3

Including flask, 2000 ml extractor, vapour tube, condenser and Isomantle heater, stand and clamps.

Power: 900 W

Total height: 1000 mm

Weight approx.: 30 kg



75-B0018/C

WIRE MESH FILTER METHOD

75-B0015

Hot extraction apparatus test set
(Wire mesh filter method)

STANDARD

EN 12697-1 clause B.1.2 and CNR a.
VII No. 38, DIN 1996

General description and specifications

Used for the quantitative determination of bitumen in hot-mixed paving mixtures and pavement samples. The bitumen content is calculated by difference from the weight of extracted aggregates.

The filler, or ash, passing through the 74 µm basket has then to be separated from the bitumen/solvent solution using the appropriate centrifuge extractor - e.g. 75-B0024/A model.

Max. capacity of wire basket: 3 kg approx.

Overall dimensions: 335 mm height x 165 mm dia.

Weight approx.: 2.8 kg

Accessories

- 10-D1402 Hot plate 230 V, 50-60 Hz
- 86-D1441 Heat resistant wire mesh
- 75-B0015/5 Special 5 litres pyrex glass jar with On/Off valve
- 75-B0015/6 Aluminium disc 160 mm dia.

Spare parts

- 75-B0015/1 Metal condenser for hot extraction apparatus
- 75-B0015/2 Spare glass jar
- 75-B0015/3 Wire basket for hot extraction apparatus 0.074 mm opening

KUMAGAWA METHOD

Used for the quantitative determination of bitumen in hot-mixed paving mixtures and pavement samples. It consists of a balloon, cooling unit, Dean-Stark stopcock, electric heating mantle with regulator and fittings. Two models available: 1 litre and 2 litres balloon capacity. The filtering cartridges are not part of the apparatus and have to be ordered separately. See accessories.

STANDARD CNR No. 38, LCPC

75-B0018 Kumagawa extraction apparatus, 1 litre capacity. 230 V, 50-60 Hz, 1 ph.

75-B0018/A Same as above but 2 litres capacity



75-B0018

Accessories

- 75-B0018/1 Kumagawa cartridges dia. 58x170 mm for 1 litre cap. apparatus. Pack of 25
- 75-B0018/A1 Kumagawa cartridges dia. 80x200 mm for 2 litres cap. apparatus. Pack of 25
- 75-B0018/A2 Kumagawa cartridges dia. 80x250 mm for 2 litres cap. apparatus. Pack of 25



75-B0015 with 10-D1402 and 86-D1441