

ASTM REFLUX METHOD

■ 75-B0013/A

Reflux bitumen extractor
1000 g capacity

■ 75-B0014/A

Reflux bitumen extractor 4000 g
capacity

STANDARD

ASTM D2172, AASHTO T164-B

General description

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, moisture content and ash from an aliquot part of the extract. The apparatus consists of two wire mesh cones with interlocking frames, a cylindrical glass jar and a water condenser with inlet/outlet tubes.

Spare parts for Reflux extractors

| | for 75-B0013/A | | for 75-B0014/A | |
|--------------------------------------|----------------|-------------|----------------|-------------|
| | Code | Weight (kg) | Code | Weight (kg) |
| Spare glass jar | 75-B0013/1 | 2.5 | 75-B0014/1 | 5 |
| Spare stainless steel wire mesh cone | 75-B0013/2 | 0.2 | 75-B0014/2 | 0.4 |
| Spare brass condenser | 75-B0013/3 | 0.5 | 75-B0014/3 | 1 |

Specifications

Capacity (g): 1000 (75-B0013/A), 4000 (75-B0014/A)

Overall dimensions (hxdia.) mm:
465x150 (75-B0013/A),
510x265 (75-B0014/A)

Weight approx. (kg): 3 (75-B0013/A),
9 (75-B0014/A)

Accessories for both models

- ▶ 10-D1402 Hot plate 230 V, 50-60 Hz
- ▶ 86-D1441 Heat resistant wire mesh
- ▶ 75-B0013/4 Filter paper 300 mm dia. Pack of 50
- ▶ 75-B0014/4 Filter paper 400 mm dia. Pack of 50

COLD EXTRACTION METHODS.

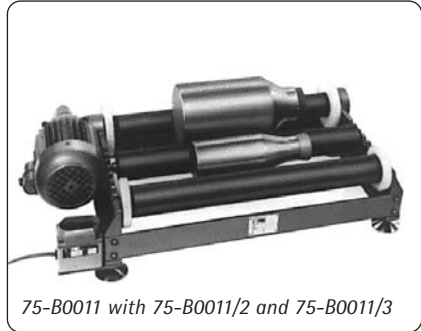
BOTTLE ROLLER METHOD

■ 75-B0011

Bottle roller. 230 V, 50 Hz, 1 ph.

STANDARD

EN 12697-1 clause B.1.4
and BS 598:102



75-B0011 with 75-B0011/2 and 75-B0011/3

General description and specifications

Used to extract the bitumen from asphalt for binder determination either directly or by difference. Compact bench mounted machine, designed to rotate any size combination of two bottles simultaneously along their longitudinal axis.

Bottle rotating speed: 30 r.p.m.

Power: 180 W

Overall dimensions:
170x600x350 mm (hwxwd)

Weight approx.: 22 kg

Accessories

- ▶ 75-B0011/1 Metal bottle 600 ml cap., with rubber stopper 50 mm dia. Weight 1 kg
- ▶ 75-B0011/2 Metal bottle 2500 ml cap., with rubber stopper 70 mm dia. Weight 2.5 kg
- ▶ 75-B0011/3 Metal bottle 7000 ml cap., with rubber stopper 70 mm dia. Weight 3.5 kg
- ▶ 75-B0011/5 Flask funnel for 7000 ml metal bottle, with top rim that can house a 200 mm dia. sieve. Weight 2 kg



75-B0013/A, 10-D1402, 86-D1441