

B018

**Binder recovery apparatus.
Vacuum pump method**

HOT EXTRACTION METHOD

SOLUBLE BINDER CONTENT (BITUMEN RECOVERY)

STANDARDS: EN 12697-1 Clause B.3.1, EN 13108 / BS 598:102

Used for the separation of solvent from the binder/solvent solution, and to determine the binder content in an aggregate/bitumen mixture. The apparatus consists of:

- Thermostatic water bath to keep boiling water during all the recovery cycle, complete with cover and digital thermostat, inside dimensions mm 280 x 280 xh 230.
This unit may be used also as general purposes water bath.
- Two glass flasks having 250 ml capacity, complete with rubber bungs, tubing and cocks
- Vacuum gauge (to be connected to the vacuum pump,
- Pyrex flask, 1000 ml capacity, used as vacuum bottle

Power supply: 230V 1ph 50Hz 1000W

Weight: 25 kg approx.



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NEEDED ACCESSORY:

V203+V205-10

Vacuum Pump to produce a vacuum down 220 mbar, with vacuum regulator. Power supply: 230V 1ph 50Hz. Weight: 5 kg approx.

B018-10

Recovery of binder by Abson method

STANDARDS: ASTM D1856 / CNR N°133

This distillation assembly is used for recovery of binder from a solution of a previous extraction, with properties substantially as those of the bituminous mixture. The apparatus consists of glassware complete set, metallic stand supports, electric heating mantle with regulator. Power supply: 230V 1ph 50/60Hz 750W. Weight: 15 kg approx.



B018-10

B019 KIT

Reflux extractor 1000 g capacity

STANDARDS: ASTM D2172 / AASHTO T164 B

This simple apparatus, working on the same operation principle of the mod. B017, consists of a cylindrical glass jar containing a metal frame supporting two metal cones of stainless steel cloth and a metal condenser on top of the jar.

Supplied complete with 100 filter papers and wire gauze. Dimensions: dia. 160x510 mm - Weight: 5 kg

ACCESSORY:

V200 Hot plate dia. 185 mm.
230V 1ph 50-60Hz 1500W

SPARES:

B019-01 Filter paper, pack of 100

B019-02 Pyrex glass jar

B019-03 Metal condenser

B019-04 N° 2 stainless steel cones with frame

V173-03 Wire mesh with ceramic centre

B020 KIT

Reflux extractor 4000 g capacity

Similar to mod. B019 but having 4000 g capacity.

Dimensions: dia. 280x510 mm. Weight: 9 kg

ACCESSORY:

V200-02 Hot plate dia. 220 mm
230V 1ph 50-60Hz 2000W

SPARES:

B020-01 Filter paper, pack of 100

B020-02 Pyrex glass jar

B020-03 Metal condenser

B020-04 N° 2 stainless steel cones with frame

V173-04 Wire mesh with ceramic centre

B020-05 Wire mesh 300 x 300 mm



B020 KIT

B019 KIT

V200-02

V200

