

**CENTRIFUGE EXTRACTORS
(FILTER PAPER) 1500 AND 3000 G CAP.****STANDARD****EN 12697-1 clause B.1.5**

ASTM D2172, AASHTO T164A

General description and specifications

The centrifuges are used for the determination of bitumen percentage in bituminous mixtures. All models comprise a removable precision-machined rotor bowl housed in a cylindrical aluminium box. They are driven by an electric motor fitted with AC drive (inverter) with the double function of speed control up to 3600 r.p.m. regardless of the frequency (50 or 60 Hz) and electrical braking. The centrifuge can be set for the automatic speed ramp up to 3600 r.p.m. or to any intermediate speed by the front knob. A digital display monitors the frequency, which is proportional to the speed.

The rotating unit is suspended on the base by four calibrated springs, which assure a perfect stability all over the test. The cover is precisely machined and fitted with solvent resistant gasket to avoid leakages.

All models are fitted, for emergency use, by a hand brake system. The control panel includes: Start/Stop button, speed control knob, and digital display.

Two versions available: standard and explosion proof. The standard model can be upgraded with the electromagnetic system to prevent the opening of the cover during rotation. See code 75-B2210/UP1. These upgrading option arrangements have to be factory installed and specified at time of order.

Main features

- Speed control up to 3600 r.p.m. at 50 or 60 Hz by AC drive (inverter)
- Electric brake
- Stable and silent all over the test
- Electronic control and digital display
- CE version available with electromagnetic arrangement to prevent the opening of cover during rotation
- Explosion proof option
- Supplied complete with 100 filter discs



75-B2212, 75-B2312

General specifications**Power:** 550 W**Voltage:** 220-240 V, 50-60 Hz, 1 ph.**Overall dimensions (lxdxh):**

539x406x509 mm

Weight approx.: 54 kg

All centrifuges are supplied complete with 100 filter discs.



75-B2222, 75-B2322 Explosion proof versions

ORDERING INFORMATION

Standard versions

■ 75-B2212

1500 g cap. centrifuge extractor.
Speed control up to 3600 r.p.m.
220-240 V, 50-60 Hz, 1 ph.

■ 75-B2214

1500 g cap. centrifuge extractor.
Speed control up to 3600 r.p.m.
110 V, 50-60 Hz, 1 ph.

■ 75-B2312

3000 g cap. centrifuge extractor.
Speed control up to 3600 r.p.m.
220-240 V, 50-60 Hz, 1 ph.

■ 75-B2314

3000 g cap. centrifuge extractor.
Speed control up to 3600 r.p.m.
110 V, 50-60 Hz, 1 ph.

Explosion proof versions

The control panel is external for installation in a non explosive area so the centrifuge structure is explosion proof.

■ 75-B2222

1500 g cap. centrifuge extractor,
explosion proof version. Speed control up to 3600 r.p.m.
220-240 V, 50-60 Hz, 1 ph.

■ 75-B2322

3000 g cap. centrifuge extractor,
explosion proof version. Speed control up to 3600 r.p.m.
220-240 V, 50-60 Hz, 1 ph.

Upgrading options

■ 75-B2210/UP1

Electromagnetic system to prevent the opening of the cover during rotation conforming to CE directive. Suitable for 75-B2212 and 75-B2312 standard models only.

All upgrading option arrangements have to be factory installed and specified at time of order. When ordering ask for the selected centrifuge and the option (e.g. 75-B2312 plus 75-B2210/UP1).



Detail of 75-B2210/UP1 safety device



75-B0022/2, 75-B0022/1

Accessories

✔ 75-B0022/1 Filter discs for 1500 g cap. centrifuge. Pack of 100

✔ 75-B0023/1 Filter discs for 3000 g cap. centrifuge. Pack of 100

Spare parts

✔ 75-B0022/2 Spare bowl and cover for 1500 g centrifuges. Made of machined cast aluminium. Weight 3.5 kg

✔ 75-B0023/2 Spare bowl and cover for 3000 g centrifuges. Made of machined cast aluminium. Weight 4.5 kg