

Design & Testing of Bituminous Mixtures

75



Continuous flow filterless centrifuge, 70 mm dia. cup
75-B0024/B



Continuous flow filterless centrifuge, 122 mm dia. cup
75-B0024/N with sieves

Filterless Centrifuge Binder Extractors

MAIN FEATURES

- High speed with continuous flow
- Filterless method assures complete filler recovery
- Automatic ramp and pre-set speed control
- Up to 100 g or 400 g can be extracted per test.

GENERAL DESCRIPTION

Used for rapid filterless separation of filler (ash) from binder solution coming, for instance, from [Wire mesh extractor](#) model 75-B0015. The centrifuge can also be used for binder recovery from an asphalt sample previously desegregated in solvent and poured into the funnel fit with 200 mm dia. test sieves to separate gradually the aggregates. The test is carried out by pouring the solvent from the top funnel into the rotating aluminium cup. Due to the centrifugal effect, the liquid spreads on the wall and moves upwards, leaving mineral particles in the cup whilst the liquid is discharged outside through the outlet tubing. A special electronic circuit provides for a pre-set controlled ramp which gradually increases the speed to the maximum.

Two models available: 75-B0024/N for filler extraction up to 100 g per test, fit with 70 mm dia. Cup, and 75-B0024/B for filler extraction up to 400 g per test, fit with 122 mm dia. cup.

The 75-B0024/N version does not include sieves which have to be ordered separately, conforming to EN or ASTM standards. The cup should be internally lined with paper for a better and complete removal of filler. See accessories: 75-B0005/2. The solvent used can be profitably recovered with the [Solvent recovery unit](#).

TECHNICAL SPECIFICATION

Models	75-B0024/N	75-B0024/B
Max. quant. of filler extracted per test	50-100 g	400 g
Cup dimensions, mm	Dia. 70x190	Dia. 122x211
Max. speed, r.p.m.	11000	11000
Power, W	550	1000
Sieves	None included - see accessories	0.075, 0.25, 0.71, 2 mm
Overall dimensions (lxwxh) mm	500x370x850	560x640x1200
Power	230V, 50Hz, 1ph.	380V, 50Hz, 3ph.
Weight approx. kg:	55	100

ACCESSORIES

CODE	DESCRIPTION
15-D2335/J	200mm dia. 63µm Test Sieve
15-D2330/J	200mm dia. 75µm Test Sieve
15-D2300/J	200mm dia. 150µm Test Sieve
15-D2275/J	200mm dia. 250µm Test Sieve
15-D2230/J	200mm dia. 710µm Test Sieve
15-D2185/J	200mm dia. 2mm Test Sieve
75-B0005/2	Lining Paper (pack of 100)

NOTE: Sieve requirement depends on the Standard



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