

Large size piknometers

ASTM D2041 | EN 12697-5 | AASHTO T209

GENERAL DESCRIPTION

Used for determining the theoretical maximum specific gravity of uncompacted bituminous paving mixtures. They can also be used for the calculation of the percent of air voids in compacted bituminous mixtures and the amount of bitumen absorbed by the aggregates.

We propose three models:

- 75-D1122, heavy duty version, 10000 ml cap., specially designed for this application, made from robust transparent plastic and fit with vacuum gauge, coupling for vacuum application and vent valve. Suitable for paving mixtures samples of max. 6000 g, with maximum aggregate size of 50 mm (2").
- 75-D1123/C, aluminium canister 4500 ml cap., with transparent lid, fit with vacuum gauge, coupling for vacuum application and vent valve. Suitable for paving mixture sample of max. 2000 g, with max. aggregate size of 19.1 mm (3/4").
- 75-D1123/D, 10000 ml cap., made from plastic with transparent cover, fit with vacuum gauge, coupling for vacuum application and vent valve. Suitable for paving mixtures sample of max. 6000 g, with max. aggregate size of 50 mm (2").

75-D1122 and 75-D1123/B, 10000 ml models, can also be used as a vacuum bell for glass pyknometers up to 2000 ml cap.

All the above vacuum pyknometers have to be shaken gently for the evacuation of air by the 15-D0407/C vibro-deaerator.

The complete set includes the vacuum pump with de-airing system. See accessories and Vacuum pumps.

TECHNICAL SPECIFICATIONS

Vacuum pyknometers

Models	75-D1122	75-D1123/C	75-D1123/D
Capacity, ml	10000	4500	10000
Max. sample weight, g	6000	2000	6000
Max. aggregate size,	50 mm (2")	19.1 mm (3/4")	50 mm (2")
Internal dimensions Dia. x h approx.: mm	280x186	191x152	273x337
Overall dimensions: Dia.x h, approx.: mm	300x450	200x160	300x360
Weight, approx.: kg	6.7	3	5

Electromagnetic vibro-deaerator 15-D0407/C

DATA SHEET

- Complete with timer
- Power: 400 W
- Overall approx. dimensions (wxdxh): 496x406x600 mm
- Weight approx.: 30 kg

ORDERING INFO

75-D1122

Large size heavy duty vacuum pycnometer, 10000 ml capacity

75-D1123/C

Vacuum pycnometer, 4500 ml capacity

75-D1123/D

Vacuum pycnometer, 10000 ml capacity

15-D0407/C

Electromagnetic vibro-deaerator complete with clamps for pycnometers.
230 V, 50-60 Hz, 1 ph

15-D0407/CZ

Electromagnetic vibro-deaerator complete with clamps for pycnometers.
110 V, 60 Hz, 1 ph

15-D0407/B1

Device for clamping pycnometers to the electromagnetic vibro-deaerator

ACCESSORIES

86-D2003

Vacuum pump, double stage. 230 V, 50-60 Hz, 1 ph
Or

86-D2003/Z

Vacuum pump, double stage. 110 V, 60 Hz, 1 ph

86-D2005

Air drying unit

86-D0819

Silica gel dessicant with indicator, 1 kg

86-D2064

Rubber vacuum hose (two pieces)

For more information on the vacuum pump and de-airing system see Vacuum pumps

DATA SHEET



75-D1122 with de-airing vacuum system, including vacuum pump 86-D2003, Air drying unit 86-D2005 filled with 86-D0819 Silica gel desiccant, and two rubber tubes 86-D2064.



75-D1123/C

DATA SHEET



De-airing agitation device including vacuum pyknometer 75-D1122 and electro-magnetic vibro-



deareator 15-D0407/C and electro-magnetic vibro-deareator 15-D0407/C

De-airing agitation device including vacuum pyknometer 75-D1123/D

DATA SHEET



Vacuum pyknometer 10000ml capacity 75-D1123/D