



Bitumen Testing Devices according technical standards for Asphalt Roads

The requirements of European and national standards are providing a safe basis for the production and the use of bitumen products.

For technical classification and evaluation of the different bitumen types are essential testing methods in use, which determine the consistency and viscosity of bitumen in relation to the temperatures.

To maintain exact and correct test results, it is important to guarantee stable test parameters and a correct sample preparation.

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This goal can only be achieved if the testing machine is operated with high precision and repeatability.



Precise & repeatable



Not precise & not repeatable



Precise & not repeatable



Not precise & repeatable

We recommend regular calibrations for all testing machines in order to guarantee consistently reliable and exact results.

Loss-on Heating Oven TFOT

EN 12607-2 for the determination of loss on heating of bitumen under temperature.

The unit consists of a drying cabinet with glass door with electrical control to maintain a constant internal temperature of 163°C. In the interior there is a motor-driven platform with 5-6 1/min. for holding 3 test pans Ø 140mm or 9 test pans at Ø55 mm.

Technical Data

Dimensions	850 x 730 x 620 mm
Weight	53 kg
Electrical data	230 V, 50/60 Hz, 2,5 kW
Volume	53 l

20-25700



Testing Cup Ø 140 x 9,5 mm

20-2575

Pressure Ageing Vessel PAV

EN 14769, AASHTO R28, ASTM D6521 for long term ageing of bitumen and for the simulation of asphalt mixture ageing after 5 to 10 years.

Consisting of the pressure vessel with connection elements, pressure / temperature sensors, thermostat-controlled heating device as well as PC with touch screen and 10 test cups. A compressed air source >21 bar or compressor 20-44950 must be provided.

Technical Data

Dimensions	470 x 520 x 560 mm
Weight	58 kg
Electrical data	230 V, 50/60 Hz, 0,6kW
Working pressure	21 bar - max. 25 bar

20-44000



Advantages:

- ▶ Compact design
- ▶ Up to 10 free programmable test sequences can be saved
- ▶ Graphical user interface
- ▶ Representation of pressure and temperature in real-time
- ▶ PC with touch screen
- ▶ Menu-driven user control

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Compressor for PAV

Complete with pressure container and frame.



Technical Data

Dimensions	583 x 309 x 337 mm
Weight	16,2 kg
Electrical data	230 V, 50 Hz, 1,5 kW
Air supply	97 l/min bei 5 bar
Maximum pressure adjusted	34 bar >21 bar
Number of cylinders	2
Tank volume	8,6 l
Noise	70 dBA

20-44950

Soundproof cabin for PAV compressor

20-44952

Testing Cup for PAV

EN 12607-2 - EN 14770
Ø 140 x 9,5 mm



20-2575