

Vacuum Degassing Oven



Precise and Accurate System for degassing of Pressure Aged Binder Samples to Meet AASHTO R28-06 and ASTM D 6521-05 Standards

Features

The Vacuum Degassing Oven (VDO) from ATS has been designed to degas pressure aged binder samples to precisely and accurately meet AASHTO R28-06 and ASTM D6521-05 standards.

System features include:

- Compact Unit
- Stainless Steel Construction
- Hinged Lid to conserve space and access the stainless steel vacuum chamber
- Easily cleaned work surface on top of unit for preparing and unloading specimens
- Holds up to (4) specimen containers
- Self-contained automatic vacuum system
- Illuminated Pre-heat, Degas and End/Stop Buttons
- High Precision Controller featuring a digital display indicating time, temperature and the current stage of each process
- Audible and Visual alarm, indicating end of process
- Maintains temperature up to 170° C with an accuracy of +/- 5° C.
- Pressure Gauge indicated in both kPa and in. hg

Includes:

- (4) Specimen Containers
- Specimen Removal Tool



Specifications

General	
Construction:	Bench top unit with stainless steel construction
Specimen Capacity	4 (specimen containers included)
Front Panel Display	
Dimensions	24 in. W x 16 in. D x 12 in. H
Specifications	
Operating Pressure	Adjustable from 15 KPA to Atmosphere
Temperature Range	175° C ± 5° C
Temperature Control Resolution	0.1° C
Test Temperature Uniformity	± 5° C
Over-Temperature Protection	
Pressure Safety Release	Solenoid Valve
Inlet	Internal Air Pump
Requirements	
Power Requirements	115 VAC, 1 Ph. 60 Hz. Or 230 VAC, 1 Ph. 50 Hz.
Approximate Ship Weight	185 Lbs
Approximate Shipping Crate Dimensions	37 x 25 x 27

Other Products



Bending Beam Rheometer

- Durable, High-Quality System for Determination of Flexural Creep Stiffness of Asphalt Binder
- Meets ASTM D6448-01 and AASHTO TPI-98 and T313-05 test standards
- PID temperature controller with digital display
- Test temperatures from -400°C to 250°C with accuracy of $\pm 0.10^{\circ}\text{C}$
- BBR Upgrade Kit available
- Calibration Kit available
- Software available

Pressure Aging Vessel

Innovative, Easy-to-Use System for Simulated Aging of Asphalt Binder

- PLC Controller with remote and local options (allows for network sharing)
- Minimum and maximum temperature data available at the end of each test
- Compact bench-top design
- ASME and CE-code rated stainless steel pressure vessel
- Pan loading/unloading tool
- Optional battery backup system



How to Contact ATS



Calibration Laboratory
Certificate No. 2132.01
Inclusion of this logo does
not imply certification/approval
of the products calibrated.

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