

Vacuum Degassing Oven (VDO)

The ATS Vacuum Degassing Oven (VDO) removes air bubbles created during the in-service oxidative aging of asphalt binder by the Pressure Aging Vessel (PAV). This new, enhanced model provides a straightforward operation that allows for a seamless testing experience. This design re-introduces a classic design from our original VDO. The ATS VDO meets AASHTO R28, ASTM D6521, and EN 14769 test standards.



Features

- Pre-set programmable vacuum time, temperature, and soak times.
- Includes 4 eight-ounce containers and a specimen removal tool.
- Black powder coated finish.
- Platinum RTD temperature measurement.
- Optional ATS system verification kit available.
- Indicator lights / Audible Alarm to notify when testing is complete.
- Simple to use, operator friendly design.

Product Specifications

Unit Design	Bench Top Unit
Specimen Capacity	4 eight ounce or 8 four-ounce specimen containers
Product Dimensions	20.25 inches wide x 14.25 inches deep x 14 inches high
Weight	59 lbs.
Temperature Range	Ambient to 410° F (210° C)
Temperature Accuracy	0.2 ° F (± 0.1° C)
RTD Temperature Measurement Accuracy	Class A RTD at maximum temperature ± 1° F (± 0.55° C)
Over-Temperature Protection	Disc Thermostat open on rise Auto reset, Open 425° F ± 15° F (218° C ± 8° C), Close 375° F ± 20° F (191° C ± 12° C)
Vacuum Range	6.6 kPa
Power Requirements	115 V / 60 Hz or 230 V / 50 / 60 Hz