

Pressure Aging Vessel (PAV3)

The ATS Pressure Aging Vessel (PAV3) simulates in-service oxidative aging of asphalt binder through exposure to elevated temperatures in a pressurized environment. Our PAV3 introduces a user friendly touchscreen and improved software, providing the highest level of efficiency and reliability during testing. Each PAV3 meets AASHTO R28, ASTM D6521, and EN 14769 test standards. ATS can also retrofit any previous version of our PAV and upgrade it to the PAV3.



Features

- Platinum RTD temperature measurement
- Industrial strength touchscreen display and enhanced software
- Data acquisition features include time, temperature, and pressure
- Remote connection allows users to monitor and control their VDO Touch offsite
- USB Port on the front of the unit makes data downloads and software upgrades easy
- Includes 10 AASHTO T 179 specimen pans and a solid, precision anodized aluminum specimen holder
- Optional battery backup system prevents test interruption or data loss due to power failure or line voltage fluctuations
- Seven preprogrammed language options include English, German, French, Italian, Chinese, Spanish, and Arabic

Product Specifications

Unit Design	Benchtop unit with integral vessel/oven design
Specimen Capacity	10 TFOT sample trays (included)
Product Dimensions	27.5 inches wide x 30 inches high x 18 inches deep (700 mm wide x 760 mm high x 460 mm deep)
Weight	290 lbs. (130 kg)
Operating Pressure	2.10 ± 0.05 MPa (304psi)
Temperature Range	80°C to 115°C ± 0.1°C. Programmable from 50°C to 150°C
Vacuum Range	6.6 KPA
Power Requirements	minimum 230 VAC 50/60 Hz