



# HUMBOLDT

## Pressure Aging Vessel

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ASTM D6251; AASHTO R28; EN 14769

Cooper Technology's New Generation Pressure Aging Vessel uses heated, pressurised air to simulate longterm oxidative aging of asphalt binders. The PAV consist of an ASME Boiler and Pressure Vessel Code and CE certified stainless steel pressure vessel, steel cabinet with encased band heaters, and integral pressure measurement control.

Includes a platinum RTD device to ensure accurate temperature resolution and uniformity. A pressure relief valve and high- temperature thermal shut-down are included as standard safety features. A USB port located on the front of

the unit allows the user to easily store test data and upgrade software when necessary. This Pressure Aging Vessel uses a touch-screen controller with front panel user interface for complete control and monitoring of all test processes. The system has an operating pressure range of  $2.1 \pm 0.1$  mPa and temperature range of  $80^{\circ}$ — $115^{\circ}$ C, with resolution of  $0.1^{\circ}$ C.

This easy-to-use system completes a test in three simple steps: Set the temperature and pressure, Insert specimens, Press the start button.



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## Features:

- Includes touch-screen controller with front panel user interface with easy -o-use step-through operation
- Bench top unit with integral vessel/oven design and top opening door
- Thermo Regulation: Proportional control with integral and derivative function
- Platinum RTD temperature measurement

The Pressure Aging Vessel includes a set of ten specimen pans, a precision, anodized aluminum sample holder with lifting handle, and a specimen handling tool. Additional pans can be ordered as necessary. Compressed air with a pressure of at least 350psi (2.4MPa) and a regulator must be user provided.



HA-1635.3F

Pressure Aging Vessel, 120/220V 50/60Hz H-1635.3F