



HM-921

ATS VACUUM DEGASSING OVEN ASTM D6521; AASHTO R 28; EN 14769

Vacuum degassing of asphalt specimens is typically performed after aging in Pressure Aging Vessels (PAV's). This tabletop vacuum degassing oven is completely automated and includes self-contained vacuum system. The chamber accommodates four specimens in the included containers. The cabinet, chamber and cover are constructed of easily maintained stainless steel. The cover has a heat-resistant glass viewing window for observation during the vacuum degassing process.

The HM-921 ATS Vacuum Degassing Oven uses an electrically powered vacuum system to rapidly evacuate the chamber to the required 15kPa (25.5Hg). The precision controller features a digital display to indicate time, temperature, and current process stage. Audible and visual alarms alert the user at end of each process. Illuminated pre-heat, degas and end/stop buttons allow easy operation. The ATS Vacuum degassing oven includes four 236ml (8oz) sample tins, and a specimen removal tool for easy loading and unloading of samples. **Product Dimensions:** 24x16x12in (610x406x304mm), WxDxH.

ATS VACUUM DEGASSING OVEN

ATS Vacuum Degassing Oven, 120V/60Hz.....	HM-921
230V/50-60Hz.....	HM-921F



HM-74

ATS PRESSURE AGING VESSEL (PAV3) ASTM D6521; AASHTO R 28; EN 14769

Pressure Aging Vessels (PAV's) use heated, pressurized air to simulate long-term oxidative aging of asphalt binders. The PAV's consist of an ASME-Code and CE certified stainless steel pressure vessel, stainless steel cabinet with encased band heaters, and integral pressure measurement control.

The state of the art PAV3 meets ASTM, AASHTO, and EN 14769 requirements and includes a platinum RTD device to insure 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 if necessary. The system now includes remote operation capabilities, and allows the user to completely control the PAV3 system using an app compatible with most smart phones and tablets.

The HM-74 ATS Pressure Aging Vessel (PAV3) 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 ±0.1mPa, and temperature range of 80°–115°C, with resolution of 0.1°C. This easy-to-use system completes a test in three easy steps: press the heat button, insert specimens when prompted, and press the age button. The stainless steel cabinet measures 28x18x30in (710x460x760mm), WxDxH. The ATS PAV includes a set of ten stainless steel Specimen Pans, an anodized aluminum sample holder with lifting handle, and a Specimen Handling Tool. The included MOA-2 Specimen Pans are the type formerly used in the Thin Film Oven Test (TFOT) procedure. Additional Pans can be ordered as single units or complete sets as required. Bottled compressed air with a pressure of at least 325psi (2.24mPa) and a regulator must be user provided.

ATS PRESSURE AGING VESSEL (PAV3)

ATS Pressure Aging Vessel (PAV3), 230V, 50/60Hz	HM-74
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Accessories

Stainless Steel Specimen Pan	MOA-2
Stainless Steel Specimen Pans, pkg. 10	MOA-2C

