PRESSURE AGING VESSEL HTHY-0630 PAV

STANDARD: AASHTO R28, ASTM D6521, EN 14769

Asphalt Pessure Aging Vessel HTHY-0630 PAV is used to simulate the long-term aging process of asphalt under the action of climate and traffic load, to evaluate the anti-oxidative aging ability of different asphalt under certain test temperature and pressure conditions, and to provide aging asphalt samples for performance tests.
The lightweight structure of the equipment fits perfectly on any standard laboratory benchtop and is easy to operate and maintain.

FEATURES

- 7-inch high-definition display controller, real-time monitoring of pressure and temperature in the chamber;
- Display the temperature-time and pressure-time curves in the chamber during the working process;
- Real-time display of the temperature error time and pressure error time of the aging process (to meet the requirements of the new specification);
- Temperature and pressure linkage control to ensure no overheating during pressurization;
- Record the data once every 5s, and export it as excel format data via U disk;
- After the test is completed, the process data can be automatically printed;
- Safety protection designs such as over-temperature, over-pressure protection, and high-pressure relief can effectively protect experimenters working under high-temperature and high-pressure experimental conditions;
- With overload protection, fault warning and other functions, there is a buzzer sound alarm prompt and display the fault code at the same time;
- The cabinet is made of stainless steel, treated with special technology, easy to clean and durable.

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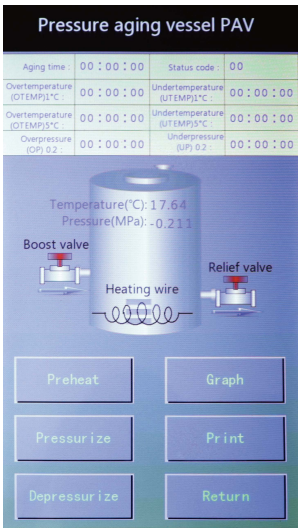
TINENG

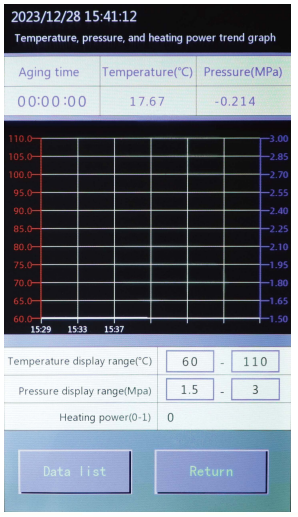
PRESSURE AGING VESSEL
HTHY-0630 PAV

TECHNICAL SPECIFICATIONS

Working temperature range	90~110 ℃	Temperature control accuracy	Resolution 0.1 ℃, accuracy ±0.5 ℃
Preheating time	40min~60min	Temperature-pressure	Real-time display temperature and pressure values and curve relationship
Working pressure	2.1MPa±0.1MPa	Actual pressure control accuracy	±0.02MPa
Pressure sensor	0-3MPa	Accuracy	0.5% (±0.015 MPa)
Air supply	Cylinder compressed air, air pressure greater than 3MPa	Air supply connector	Equipped with high-pressure pressure reducing valve and converted high-pressure air pipe matching with industrial compressed air bottles as standard
Safety relief	Greater than 2.5Mpa	Safety valve	When the pressure in the chamber exceeds 2.5Mpa, the safety valve automatically releases pressure
Power supply	AC220V 50Hz	Dimensions	550X350X450mm, weight 60kg

WORKING INTERFACE





ACCESSORIES

- 1 high-pressure pressure reducing valve, 1 high-pressure resistant air inlet pipe (3m), used to connect the equipment to the compressed air cylinder, and adjust the inlet pressure of the air source
- Sample dishes (10 pcs) and rack

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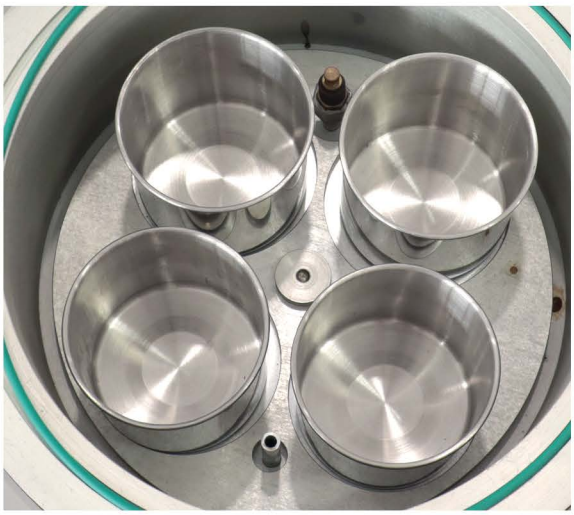
VACUUM DEGASSING OVEN HTHY-0630 VDO

STANDARD: ASTM D6521, AASHTO R-28, EN 14769

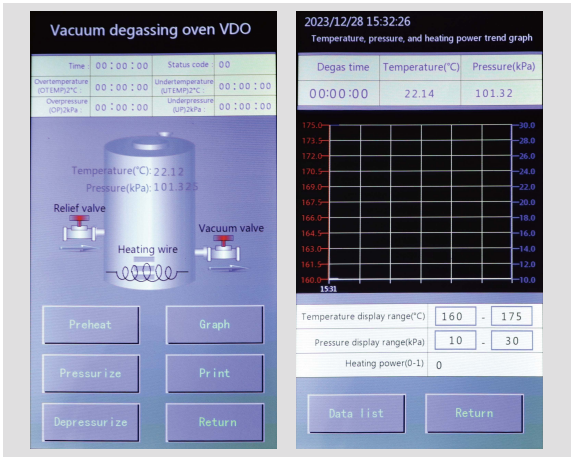
Asphalt Vacuum Degassing Oven HTHY-0630 VDO adopts a vacuum generator to generate negative pressure, which is mainly used to remove air bubbles in asphalt and other materials after pressure aging tests.
The whole system monitors the temperature and pressure in real time and saves the test data. The application of new vacuum generator technology ensures the safety, stability, efficiency and economy of the whole system.



FEATURES

- 7-inch high-definition display controller, real-time monitoring of pressure and temperature in the chamber;
- Display the temperature-time and pressure-time curves in the chamber during the working process;
- Real-time display of the temperature error time and pressure error time of the aging process (to meet the requirements of the new specification);
- Record the data once every 5s, and export it as excel format data via U disk;
- After the test is completed, the process data can be automatically printed;
- It is designed with a visual glass observation window, which is convenient for real-time observation, operation and maintenance.
- The cabinet is made of stainless steel, treated with special technology, easy to clean and durable.

VDO TEMPERATURE-PRESSURE CURVE



TECHNICAL SPECIFICATIONS

Working temperature range	Room temperature~200 ℃
Preheating time	10~30 min
Vacuum time	10 min
Working pressure	15 KPa±2.5 KPa
Pressure control	High frequency solenoid valve
Air source	Pressure 0.7 MPa Displacement 0.05 L/min Air pump
Test temperature	170 ℃ ±5 ℃
Power supply	220V 50Hz
Dimensions	550X350X450 mm
Weight	28kg

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