



Email : sales@laboratoryinstrumentindia.com

Product Name :
Pressure Ageing Vessel

Product Code :
LBNY-0005-20200010



Description :

The Pressure Aging Vessel pressure aging vessel is used to simulate in-service oxidative aging of asphalt binder according to procedures developed by the Strategic Highway Research Program (SHRP). The Pressure Aging Vessel consists of a vertical, stainless steel pressure vessel in a stainless steel cabinet with encased band heaters, a precision sample holder for simultaneous testing of ten specimens, a set of ten TFOT specimen trays, a pressure controller, temperature controller, pressure and temperature measurement devices, temperature and pressure recorder, and a specimen loading and unloading tool. The offered product is manufactured and designed using the finest quality components with the help of contemporary technology. The offered product is delivered to our buyers only after its proper checking on different such as dimensional accuracy, performance, finish, etc.

The Pressure Aging Vessel features a compact, benchtop design with integral ASME code section VIII, division 1; 1992 A 93 pressure vessel controlled using a 7", full-color, touch-screen display, which is tilted for greater visibility. Operating pressure is 2.10 0.05 MPa (304psi). Temperature uniformity is $\pm 0.5^{\circ}\text{C}$. Temperature is 80 to 115°C and programmable from 50 to 150°C . Between 80 to 115°C the tolerance is well within $\pm 0.1^{\circ}\text{C}$.

Technical Specification :

Uses pressurized heated air to simulate long term oxidative ageing of asphalt binders.

Hinged & bolted cover and stainless steel cabinet.

220-240V 50/60Hz 1ph

Performs in accordance with AASHTO & ASTM versions of SHRP PP-1, "Standard Practice for Accelerated Ageing of Asphalt Binder Using a Pressurized Ageing Vessel".

Pressure to be monitored by transducer and controller.



Laboratory Instrument India