

Environmental Chamber for materials testing

This new environmental chamber is specifically designed for use with Thwing-Albert's EJA Vantage-1 and Vantage-5 single-column instruments. The chamber provides the ability to test materials from -100° F to 300° F (-73° C to 149° C). A full line of grips operates in conjunction with the chamber to meet a wide range of applications.

The chamber has an internal height dimension of 20 in (508 mm) providing enough travel for testing a variety of materials including textiles, fibers, plastic films and composites. In addition, the large internal space makes changing grips and fixtures a simple matter.

The chamber is shipped pre-mounted on the Vantage frame and easily slides on bearings for testing with or without the use of the chamber. A built-in viewing window and internal light enables the operator to view the test in progress. In addition, the door is equipped with an upper and lower locking device and an interlock switch that cuts power to the heater when the door is open.

Temperature Controller

The Vantage chamber is equipped with a Eurotherm 2116 temperature controller. This advanced system ensures excellent set point temperature control and will shut down the unit completely as soon as the defined temperature is reached.

Features

- Viewing window
- Eurotherm 2216 temperature controller
- Extended travel area
- Operating range: -100°F to +300°F, (-73° C to 149° C)



▲ The environmental chamber mounts on a single-column Vantage tester to measure the affect of elevated temperatures on material performance



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