WSP Thermal Shock Chambers

The Tenney WSP air-to-air thermal shock chamber is a fully automated dry shock test system capable of taking product from 200°C to -70°C and back in 10 seconds or less. A movable chamber automatically transfers the work load from one temperature chamber to the other.

A dry nitrogen feed system facilitates oxygen purging in the heat chamber, preventing condensation on the metal parts of the chilled workload. A defrost heater is included to periodically defrost the cold chamber during extended tests. The lower chamber uses LN2 to reduce workload temperature.

Features

- MIL-STD 883, Method 1010.7, Conditions A, B, C, and F
- Solid-state overtemperature / undertemperature protection
- Electric open-air nichrome wire heater elements supported by ceramic insulators
- Two open ended finned LN2 cooling coils
- Centrifugal type blower wheel with external mounted motor
- Pneumatically activated carriage transport system with up to six stainless steel mesh product baskets
- Test chamber drain with Type 1/4” FPT connection
- Door switches for each chamber
VersaTenn V Control System

The VersaTenn V control system is available on all environmental test chambers that include humidity cycling capabilities and select models of other TPS products. It provides a programmable, bidirectional control with a user-friendly alpha-numeric display.