

D1748

Humidity Cabinet

ASTM D1748

This test method is used for evaluating the rust-preventive properties of metal preservatives under conditions of high humidity.

- Double wall thermostatic cabinet made of 18/8 stainless steel
- Hinged cover consisting of two layers of desized cotton cloth mounted on an aluminium frame
- Desized cotton cloth conforming to military specification MIL C-5646F
- Water level regulating system for automatic adjustment of the water level consisting of one 20 litres carboy, 2000 ml Erlenmeyer flask, glass and rubber tubing
- Low-level water device
- Air supply and metering system:
 - Air filter
 - Needle valve
 - Rotameter
 - Pressure gauge
 - Pressure regulator
 - Filtering trap and tubing
- Tank equipped with draining tap
- Electric heating with 2 armoured stainless steel immersion heaters
- Lin-Tech operating software Lab-Link running in Windows® ambient:
 - TFT/LCD 8"
 - Resolution 800 × 640 and 16.2 M colours
 - Storage capacity for more than 60'000 analysis
- Temperature controlled by PID with over-temperature alarm and temperature sensor with provision for calibration
- Rotating stage at 1/3 rpm geared by and electric motor for the suspension of 33 steel test panels by means of the suspension hooks
- Circular drip pan mounted on the rotating stage

