



Humidity Cabinet



ASTM D 1748

Rust Protection by Metal Preservatives in the Humidity Cabinet.

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

Art. LT/HC-250000/M Humidity Cabinet - ASTM D 1748

- 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
 - USB Port
 - storage capacity for more than 60'000 analysis
- Temperature controlled by PID with over-temperature alarm and temperature sensor with provision for calibration

- Air flow rate automatically monitored
- Humidity sensor
- 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

Power Supply

- 220Vac 50/60 Hz

Dimensions

- cm 80 × 80 × 100

Weight

- kg 60

Accessories

- LAB-102-502: steel test panel
- LAB-102-504: dummy panel made of PMMA
- LAB-102-507/A: aluminium oxide cloth 240 grit, pack of 100
- LAB-102-508: silica sand, pack of 1 kg
- LAB-102-509: PH paper

Spare Parts

- LAB-102-515: desized cotton cloth
- LAB-102-510: air diffuser stones not certified
- LAB-102-503: suspension hooks
- LAB-110-020: heater
- LAB-140-002: PT100 probe