

MADE IN ITALY



**CAVALLO s.r.l.**

Exclusive Distributors in INDIA

**LOBA**  
**Chemie**  
LABORATORY REAGENTS  
& FINE CHEMICALS

## **WALK-IN STABILITY TEST CHAMBER** **Temperature & Humidity Control**



Data, description and illustration are only indicative, products may have different characteristics due to manufacturing requirements.  
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## **WALK-IN STABILITY TEST CHAMBER mod. 10000CFU**

**Ext. dimensions mm. 2400x3400\*x2360 (wxdxh) \*(for Humidifier & Conditioning device)**

**Int. dimensions mm. 2240x2240x2000 (wxdxh) = 10000 ltrs capacity**

Pharmaceutical Q.C. Equipment - H.S. CODE n. 8514.10.00

Temperature & Humidity values: +25°C - 40%RH; +25°C - 60%RH; +30°C - 65%RH; +40°C - 75%RH

Temperature control:±0,1°C on display - Humidity control: 0,1% on display

**Temperature range:** +20°C to +50°C ±0,5 inside the chamber max deviation

**Humidity range:** 35%RH to 80%RH ±3 inside the chamber max deviation

**Construction:** stainless steel as per AISI 304 (inside and outside)

**Cast-iron Sheets** Stainless steel 304 18/8-18/10: thickness 0.6 mm for perimeter panels, type AISI 304 with treatment of the internal surface for anchoring the polyurethane

**Floor** Standard suitable for trolleys with anti-slip finishing

**The perimeter borders** (panel thickness = 70mm.) are made of suitably shaped self-extinguishing PVC profiles with co-extruded gaskets to guarantee seal, sunk in polyurethane; the off-centre galvanized steel hooks are aimed at joining the panels

**Insulation:** high density polyurethane mm.70

**Door:** stainless steel front door cm. 90x190 H Position: on to right side of mm.2240 width wall

External frame in aluminium with an inserted PVC profile with a rounded corner for condensate-free connection to the internal plate, PVC gasket with double tube.

**Conditioning device** through C.F.C. free air refrigerating device

Inner ventilation through fan to optimise temperature - Plenum for optimal circulation and uniformity

**Evaporator** will be positioned inside the chamber

Overpowered Compressor

**Heating** through resistors

**Service Lamp** through switch and light positioned outside the door.

**Hole/Port** Ø 35 mm.

**Humidity device** through 'Carel' hot steam generator + 50lt tank to be filled with treated water

+ Pump to pump water (humidifier to be positioned outside the chamber on 3400 mm. depth wall)

**Control panel** (to be positioned behind the chamber on 2400mm. wall) complete with:

.Ascon M3 3107 Temperature regulator

.Ascon M3 3107 Humidity regulator

.Min max safety regulators with sound/visual alarm

.under and over-temperature safety alarm for deviation from set point ±2

.under and over humidity % safety alarm for deviation from set point ±5

.lack of water safety

.Compressor failure alarm through low pressure pressostat

.Alarm system for Temperature and Humidity through 'clean contact' NO (normally Open)

and NC (normally closed) which can be used by you to sound your buzzer or whatever you need.

.mains switch

.Humidity switch

.Alarm lights

.Safety fuses

CEI 62-25 electric device V.230 singlephase or BETTER V.380 threephase N+T **CE Marking**

### **Refrigerating device Technical description:**

-Refrigerating group type hermetic SCROLL with **AIR** condenser, gas R134A.

-dehydrating filter, electro-valve for liquid, expansion

thermostatic valve, high/low pressure pressostat, n.2 taps to detect fridge fluid.

-Mounted in independent powder RAL 9002 painted steel fairing.

-Copper/Aluminium Aeroevaporator, complete with resistors

-Copper piping to connect Refrigerating group and evaporator

Refrigerating Group suitably protected, to be positioned behind the chamber or on top of the chamber.

The Chamber will be set ready to be easily mounted on site by your Technicians.

**Stainless steel SHELIVING** complete with straight Modular Elements:

n°2 Modular Elements 'A' cm. 210x60x200H (one on left side and one on right side)  
composed by:

- n.1 Element cm.100x60x200H with n.5 perforated movable Shelves each
- n.1 Element cm.110x60x200H with n.5 perforated movable Shelves each

n°1 Modular Element 'B' cm. 100x60x180H composed by:  
with n.4 perforated movable Shelves

**Optionals:**

-**GSM system telephone composer** (attends in case of alarm event) GSM contract not included

**Temperature and Humidity Protocols** (ex-works performance through our video Recorder)

**IQ/OQ Protocol & Protocol Test** (Papers only. Protocols to be performed on site by customer's Technician)

**Memograph M RSG40 digital Recorder to be mounted on board of the chamber**

model RSG40-E111B1B1A1A1 with **n.16 channels**

user administration as per FDA 21CFR11

6 digital inputs - 6 relé

Simple and clear menu + jog shuttle + 4 selection digits

IP65 Front, NEMA 4

Configuration software via PC readwin 2000 - 4 USB ports + cable

signal analysis

100 configurable thresholds

7" display

256 MB memory

input signal: 16x universal U,I,TC,RTD, input, impulse/frequency 10kHz

Digital input, 6x digital output, 25 Hz, 6x relé (1xSPDT 6+5xSPST) 100-230Vac (+/- 10%)

n.8 Temperature & Humidity Sensors/Transmitters mod. RHT-DM to be positioned inside the Chamber



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