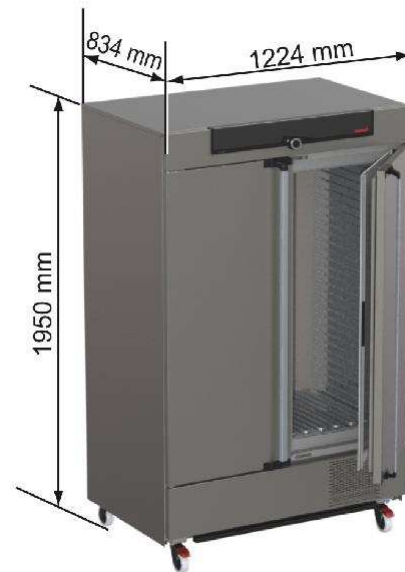# Climate Chamber with light

# Model ICH750L



## Standard equipment

### Ventilation and Control

- forced air circulation in working chamber adjustable from 10 to 100 % in 10 % steps

- no drying-up of the load caused by the cooling device due to separation of thermal jacket from interior

- adaptive multifunctional digital PID-microprocessor controller with 2 high-definition TFT-colour displays

- energy-saving use of CFC-free cooling/heating system (refrigerant R134a)

- highly efficient automatic defrosting system

- integral fault diagnostics for temperature and humidity control

- 2 Pt100 sensors Class A in 4-wire-circuit, mutually monitoring and taking over the performance at the same temperature value

- Digital backwards counter with target time setting, adjustable from 1 minute to 99 days

- parameters adjustable on ControlCOCKPIT: temperature (Celsius or Fahrenheit), fan speed, light, programme time, time zones, summertime/wintertime

- SetpointWAIT function - the process time does not start until the set temperature is reached

- AtmoCONTROL software on a USB stick for programming, managing and transferring programmes via Ethernet interface or USB port

- Setting of languages on ControlCOCKPIT: German/English/Spanish/French

- resolution of display for setpoint and actual temperature values 0.1 °C

- calibration facility directly at ControlCOCKPIT for three freely selectable values each, temperature/humidity, for two freely selectable values CO2

- humidity supply with distilled water from external tank by self-priming pump

- programme stored in case of power failure

- incl. works calibration certificate for +10 °C and +37 °C, 60 % rh at +30 °C

### Humidifying and dehumidifying system

- active humidifying and de-humidifying adjustable from 10-80 % rh with digital display of relative humidity - resolution of display 0.1 %, setting accuracy 0.5 %

- humidity supply with distilled water from external tank by self-priming pump

- humidification by hot steam generator

### Multiple Overtemperature Protection

- with audible and visual alarm

- over- and undertemperature monitor TWW, protection class 3.3 or adjustable temperature limiter TWB, protection class 2, selectable on display

- additionally integrated over- and undertemperature protection "ASF", automatically following the setpoint value at a preset tolerance range, alarm in case of over- or undertemperature, heating is switched off in case of overtemperature, compressor in case of undertemperature

- mechanical temperature limiter TB, protection class 1 according to DIN 12880 to switch off the heating approx. 10 °C above nominal temperature

**Textured Stainless Steel Casing**

- w x h x d: 1224 x 1950 x 834 mm
- fully insulated stainless steel doors with 2-point locking (compression door lock)
- inner glass doors
- rear zinc-plated steel
- on lockable castors

**Interior - Heating Concept**

- w x h x d: 1040 x 1200 x 600 mm, 749 l
- air jacket heating system for gentle all-around heating
- 2 stainless steel grids
- Max. loading of chamber: 200 kg

**Illumination**

- illumination unit consisting of 4 fluorescent lights with cold white light (standard illuminant D65, 6.500K) and 2 UV-lamps in the spectral range of 315-400 nm, llight intensity approx. 8.000 Lux
- daylight and UV-light can be programmed individually via controller

**Light homogeneity**

- cold white light +/- 6 %, for UV-light +/- 10 %

**Temperature Range**

- from +10 °C up to +60 °C with humidity

**Voltage / Power Rating**

- 230 V (+/- 10 %), 50/60 Hz / approx. 1.530 W
- 115 V (+/- 10 %), 50/60 Hz / approx. 1.530 W

**Packing Data**

- net weight approx. 249 kg
- gross weight carton approx. 320 kg
- dimensions approx.:
  carton w x h x d: 133 x 215 x 105 cm
- the appliances must be transported upright

**Customs Tariff Number**

- 8419 8998

**Country of Origin**

- Federal Republic of Germany

**WEEE-Reg.-No.**

- DE 66812464