

## 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 timer 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
- 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 0.5%, setting accuracy 1%
- 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 12 880 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, light 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. 324 kg
- dimensions approx.:  
carton w x h x d: 133 x 221 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