

## Climate Chamber with CO2 control

### Model ICH110C



### Standard equipment

#### Ventilation and Control

- forced air circulation in working chamber adjustable from 10 to 100% in 10% steps, fixed value 50% when working with CO2
- 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, CO2 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, CO2, 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
- CO2-supply via sterile filter
- digital electronic CO2-control with automatic zeroing (infrared measuring system) - adjustment range 0-20% - resolution 0.1%

- intrinsic adjustment of altitude above sea level
- CO2-supply interruption upon door opening
- 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/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: 745 x 1233 x 634 mm
- fully insulated stainless steel door with 2-point locking (compression door lock)
- inner glass door
- rear zinc-plated steel
- on lockable castors

#### **Interior - Heating Concept**

- w x h x d: 560 x 480 x 400 mm, 108 l
- air jacket heating system for gentle all-around heating
- 2 stainless steel grids
- Max. loading of chamber: 150 kg

#### **Temperature Range**

- from +10 °C up to +50 °C

#### **Voltage / Power Rating**

- 230 V (+/- 10%), 50/60 Hz / approx. 1350 W
- 115 V (+/- 10%), 50/60 Hz / approx. 1.350 W

#### **Packing Data**

- net weight approx. 109 kg
- gross weight carton approx. 127 kg
- dimensions approx.:  
carton w x h x d: 85 x 150 x 79 cm
- the appliances must be transported upright

#### **Customs Tariff Number**

- 8419 8998

#### **Country of Origin**

- Federal Republic of Germany

#### **WEEE-Reg.-No.**

- DE 66812464