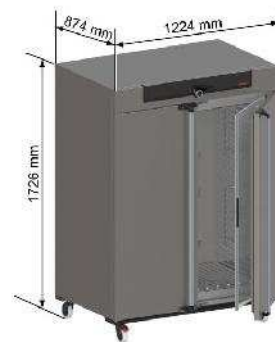# Constant Climate Chamber

Model HPP750

Standard equipment

Ventilation and Control

- forced ventilation by Peltier fan

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

- 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), relative humidity, 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

- Heating and cooling performance distribution by individual control of the Peltier elements in the upper and lower row

- HeatBALANCE function for adapting the distribution of the heating performance of the upper and lower heating circuit from -50 % to +50 %

- 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 temperature values, 2-point calibration for humidity: 20 and 90 % rh

- 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 - 90 % 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

- dehumidification by cold trap using the Peltier technology

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 function is switched off in case of overtemperature, cooling function in case of undertemperature

Textured Stainless Steel Casing

- w x h x d: 1224 x 1726 x 874 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

- energy-saving Peltier heating-/cooling system integrated in the rear (heat pump principle)
- 2 stainless steel grids
- Max. loading of chamber: 200 kg

Temperature Range

- from 0 °C to +70 °C

Voltage / Power Rating

- 230 V (+/- 10 %), 50/60 Hz / approx. 1.200 W
- 115 V (+/- 10 %), 50/60 Hz / approx. 1.200 W

Packing Data

- net weight approx. 208 kg
- gross weight carton approx. 279 kg

- dimensions approx.:
  carton w x h x d: 133 x 192 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