

Precision incubator

Model IF450



Standard equipment

Ventilation and Control

- forced air circulation by quiet air turbine, adjustable in 10 % steps
- adjustment of pre-heated fresh air admixture by air flap control in 10 % steps
- vent connection with restrictor flap
- adaptive multifunctional digital PID-microprocessor controller with high-definition TFT-colour display
- self-diagnostics for fault analysis
- 1 Pt100 sensor DIN class A in 4-wire-circuit
- Digital backwards counter with target time setting, adjustable from 1 minute to 99 days
- parameters adjustable on ControlCOCKPIT: temperature (Celsius or Fahrenheit), fan speed, air flap position, programme time, time zones, summertime/wintertime
- SetpointWAIT function - the process time does not start until the set temperature is reached
- AtmoCONTROL software for reading out, managing and organising the data logger via Ethernet interface (temporary trial version can be downloaded). USB stick with AtmoCONTROL software available as accessory (on demand).
- 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
- programme stored in case of power failure
- incl. works calibration certificate for +37 °C

Overtemperature protection (double)

- adjustable electronic overtemperature monitor and mechanical temperature limiter TB, protection class 1 according to DIN 12880 to switch off the heating approx. 20 °C above nominal temperature

Textured Stainless Steel Casing

- w x h x d: 1224 x 1247 x 784 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 720 x 600 mm, 449 l, Depth (less 39 mm for fan)
- easy-to-clean interior, made of stainless steel, reinforced by deep drawn ribbing with integrated and protected large-area heating on four sides
- 2 stainless steel grids
- Max. loading of chamber: 300 kg

Temperature Range

- min. 10 °C above ambient up to +80 °C

Voltage / Power Rating

- 230 V (+/- 10 %), 50/60 Hz / approx. 1.800 W
- 115 V (+/- 10 %), 50/60 Hz / approx. 1.500 W

Packing Data

- net weight approx. 170 kg
- gross weight carton approx. 236 kg

- dimensions approx.:
carton w x h x d: 133 x 144 x 105 cm
- the appliances must be transported upright

WEEE-Reg.-No.

- DE 66812464

Customs Tariff Number

- 8419 8998

Country of Origin

- Federal Republic of Germany