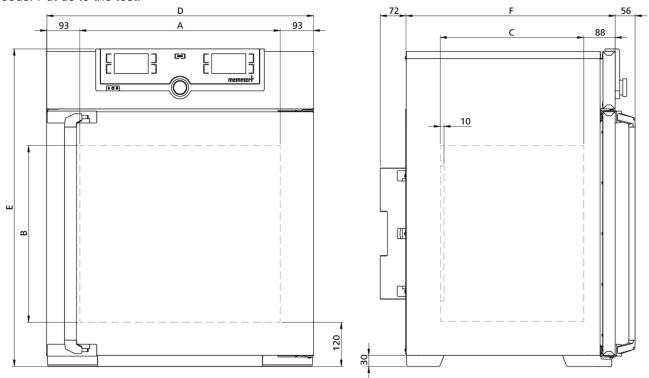


# Peltier-cooled incubator IPP30plus

Sets eco standards for cultivation below room temperature: unmatched energy efficiency, best values for heat-up, cool-down and recovery times.



With the help of our model selection, dimensional model sketches and extensive technical data for download, you will find your perfect Peltier-cooled incubator. Flexibility and technical features of our appliances meet all possible needs. Put us to the test!



Temperature	
Setting temperature range	0 to +70 °C
Working temperature range	without light: from 0 (at least 20 below ambient temperature) to +70°C
Setting accuracy temperature	0.1 °C
Temperature sensor	2 Pt100 sensors DIN Class A in 4-wire-circuit for mutual monitoring, taking over functions in case of an error
Control technology	
ControlCOCKPIT	TwinDISPLAY. Adaptive multifunctional digital PID-microprocessor controller with 2 high-definition TFT-colour displays.
Language setting	German, English, Spanish, French, Polish, Czech, Hungarian
Timer	Digital backwards counter with target time setting, adjustable from 1 minute to 99 days
Function SetpointWAIT	the process time does not start until the set temperature is reached
Calibration	three freely selectable temperature values
adjustable parameters	temperature (Celsius or Fahrenheit), programme time, time zones, summertime/wintertime
Ventilation Convection  Communication	forced ventilation by Peltier fan
Documentation	programme stored in case of power failure
Programming	AtmoCONTROL software on a USB stick for programming, managing and transferring programmes via Ethernet interface or USB port
Safety	
Temperature control	over- and undertemperature monitor TWW, protection class 3.3 or adjustable temperature limiter TWB, protection class 2, selectable on display
AutoSAFETY	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
Autodiagnostic system	for fault analysis
Alarm	visual and acoustic
Heating concept	
Peltier	energy-saving Peltier heating-/cooling system integrated in the rear (heat pump principle)

# Standard equipment

Works calibration certificate	for +10 °C, +25 °C and +40 °C
Door	fully insulated stainless steel door with 2-point locking (compression door lock)
Internals	1 stainless steel grid(s), electropolished
Door	inner glass door

# Stainless steel interior

Dimensions	w <sub>(A)</sub> x h <sub>(B)</sub> x d <sub>(C)</sub> : 400 x 320 x 250 mm (d less 10 mm for fan - Peltier)
Volume	32
Max. number of internals	3
Max. loading of chamber	60 kg
Max. loading per internal	20 kg

# **Textured stainless steel casing**

Dimensions	$w_{(D)} \times h_{(E)} \times d_{(F)}$ : 585 x 704 x 434 mm (d +56mm door handle & +111mm Peltier element)
Housing	rear zinc-plated steel

#### **Electrical data**

Voltage	230 V, 50/60 Hz
Electrical load	approx. 140 W
Voltage	115 V, 50/60 Hz
Electrical load	approx. 140 W

# **Ambient conditions**

Set Up	The distance between the wall and the rear of the appliance must be at least 15 cm. The clearance from the ceiling must not be less than 20 cm and the side clearance from walls or nearby appliances must not be less than 5 cm.
Ambient temperature	16 °C to 40 °C
Humidity rh	max. 70 %, non-condensing
Altitude of installation	max. 2,000 m above sea level
Overvoltage category	II
Pollution degree	2

# Packing/shipping data

Transport information	The appliances must be transported upright
Customs tariff number	8419 8998
Country of origin	Federal Republic of Germany
WEEE-RegNo.	DE 66812464
Dimensions approx incl. carton	w x h x d: 660 x 890 x 650 mm
Net weight	approx. 40 kg
Gross weight carton	approx. 56 kg

# Standard units are safety-approved and bear the test marks

