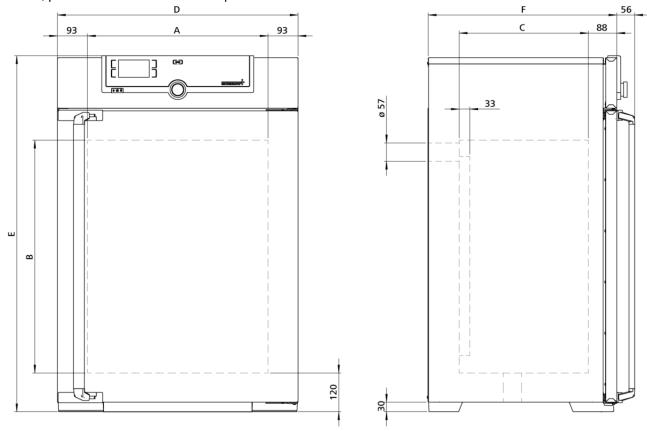


IF160m

The incubator Im is a Class I medical device.



The heating of this incubator is optimally tuned for forced air circulation, the ten can also be switched off completely, and valuable chamber loads for research, pharmaceutics, medicine and food chemistry are warmed up very carefully. On this page, you can find all the essential technical data on our incubator. Our customer relations team will be pleased to help if you want further information. If you should require a customised special solution, please contact our technical specialists at sales@memmert.com.



Temperature	
Setting temperature range	+20 to +80 °C
Working temperature range	min. 10°C above ambient up to +80°C
Setting accuracy temperature	0.1 °C
Temperature sensor	1 Pt100 sensor DIN class A in 4-wire-circuit
Control technology	
Language setting	German, English, Spanish, French, Polish, Czech, Hungarian
ControlCOCKPIT	SingleDISPLAY. Adaptive multifunctional digital PID-microprocessor controller with high-definition TFT-colour display
	Digital backwards counter with target time setting, adjustable from 1 minute to 99 days

the process time does not start until the set temperature is reached

temperature (Celsius or Fahrenheit), fan speed, air flap position, programme time, time zones,

three freely selectable temperature values

summertime/wintertime

Ventilation

Calibration

Function SetpointWAIT

adjustable parameters

Fan	forced air circulation by quiet air turbine, adjustable in 10 % steps
Fresh air	Admixture of pre-heated fresh air by electronically adjustable air flap
Vent	vent connection with restrictor flap

Communication

Documentation	programme stored in case of power failure
Programming	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).

Safety

Temperature control	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
Autodiagnostic system	for fault analysis

Standard equipment

Works calibration certificate	incl. works calibration certificate for +37°C
Door	fully insulated stainless steel door with 2-point locking (compression door lock)
Door	inner glass door
Internals	2 stainless steel grid(s), electropolished

Stainless steel interior

Dimensions	$w_{(A)} \times h_{(B)} \times d_{(C)}$: 560 x 720 x 400 mm (d less 39 mm for fan)
Interior	easy-to-clean interior,made of stainless steel, reinforced by deep drawn ribbing with integrated and protected large-area heating on four sides
Volume	161
Max. number of internals	8
Max. loading of chamber	210 kg
Max. loading per internal	20 kg

Textured stainless steel casing

Dimensions	w _(D) x h _(E) x d _(F) : 745 x 1104 x 584 mm (d +56mm door handle)
Housing	rear zinc-plated steel

Electrical data

Voltage Electrical load	230 V, 50/60 Hz approx. 1600 W	
Voltage Electrical load	115 V, 50/60 Hz approx. 900 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.
Altitude of installation	max. 2,000 m above sea level
Ambient temperature	+5 °C to +40 °C
Humidity rh	max. 80 %, non-condensing
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: 830 x 1300 x 800 mm
Net weight	approx. 96 kg
Gross weight carton	approx. 122 kg

Standard units are safety-approved and bear the test marks





