

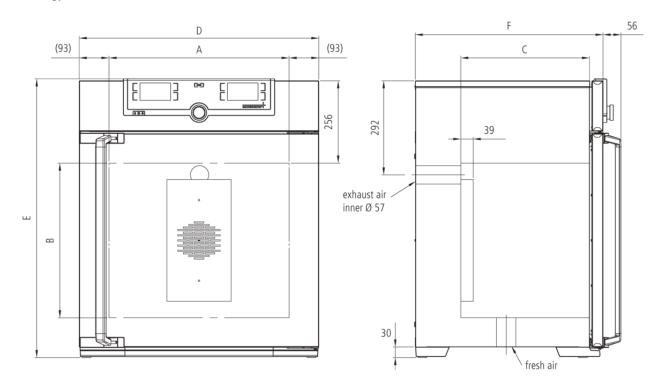
# **Universal Oven Um**

# **UF160mplus**

The heating oven Um is a Class I medical device.



This universal oven made of high-quality hygienic, easy to clean stainless steel leaves nothing to be desired in terms of ventilation technology, control technology, overtemperature protection and perfectly tuned heating technology.



Temperature		
Working temperature range	at least 5 (UN/UNplus/UNm/UNmplus) or 10 (UF/UFplus/UFm/UFmplus) above ambient temperature to +300 °C	
Setting accuracy temperature	up to 99.9 °C: 0.1 / from 100 °C: 0.5	
Setting temperature range	+20 to +300 °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 HeatBALANCE	adapting the distribution of the heating performance of the upper and lower heating circuit from -50 $\%$ to +50 $\%$	
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), fan speed, air flap position, programme time, time zones, summertime/wintertime	
Ventilation Fan	forced air circulation by quite air turbine, adjustable in 10 % steps for each segment individually	
Fresh air admixture	adjustment of pre-heated fresh air admixture by air flap control in 10 % steps for each segment individually	
Vent	vent connection with rectrictor flor	
	vent connection with restrictor flap	
Communication	vent connection with restrictor nap	
Communication  Documentation	programme stored in case of power failure	
Documentation	programme stored in case of power failure  AtmoCONTROL software on a USB stick for programming, managing and transferring programmes	
Documentation  Programming	programme stored in case of power failure  AtmoCONTROL software on a USB stick for programming, managing and transferring programmes	
Documentation Programming Safety	programme stored in case of power failure  AtmoCONTROL software on a USB stick for programming, managing and transferring programmes via Ethernet interface or USB port  mechanical temperature limiter TB, protection class 1 according to DIN 12880 to switch off the heating	
Documentation Programming  Safety Temperature control	programme stored in case of power failure  AtmoCONTROL software on a USB stick for programming, managing and transferring programmes via Ethernet interface or USB port  mechanical temperature limiter TB, protection class 1 according to DIN 12880 to switch off the heating approx. 20°C above nominal temperature  overtemperature monitor TWW, protection class 3.1 or adjustable temperature limiter TWB, protection	
Documentation  Programming  Safety  Temperature control  Temperature control	programme stored in case of power failure  AtmoCONTROL software on a USB stick for programming, managing and transferring programmes via Ethernet interface or USB port  mechanical temperature limiter TB, protection class 1 according to DIN 12880 to switch off the heating approx. 20°C above nominal temperature  overtemperature monitor TWW, protection class 3.1 or adjustable temperature limiter TWB, protection class 2, selectable on display  additionally integrated over- and undertemperature monitor "ASF", automatically following the setpoint value at a preset tolerance range, alarm in case of over- or undertemperature, heating is switched off	

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Door	fully insulated stainless steel door with 2-point locking (compression door lock)
Internals	2 stainless steel grid(s), electropolished
Works calibration certificate	Calibration at +160°C

# 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 <sub>(D)</sub> x h <sub>(E)</sub> x d <sub>(F)</sub> : 745 x 1104 x 584 mm (d +56mm door handle)
Housing	rear zinc-plated steel

#### **Electrical data**

Voltage	230 V, 50/60 Hz
Electrical load	approx. 3200 W
Voltage	115 V, 50/60 Hz
Electrical load	approx. 1800 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









