



Product specification

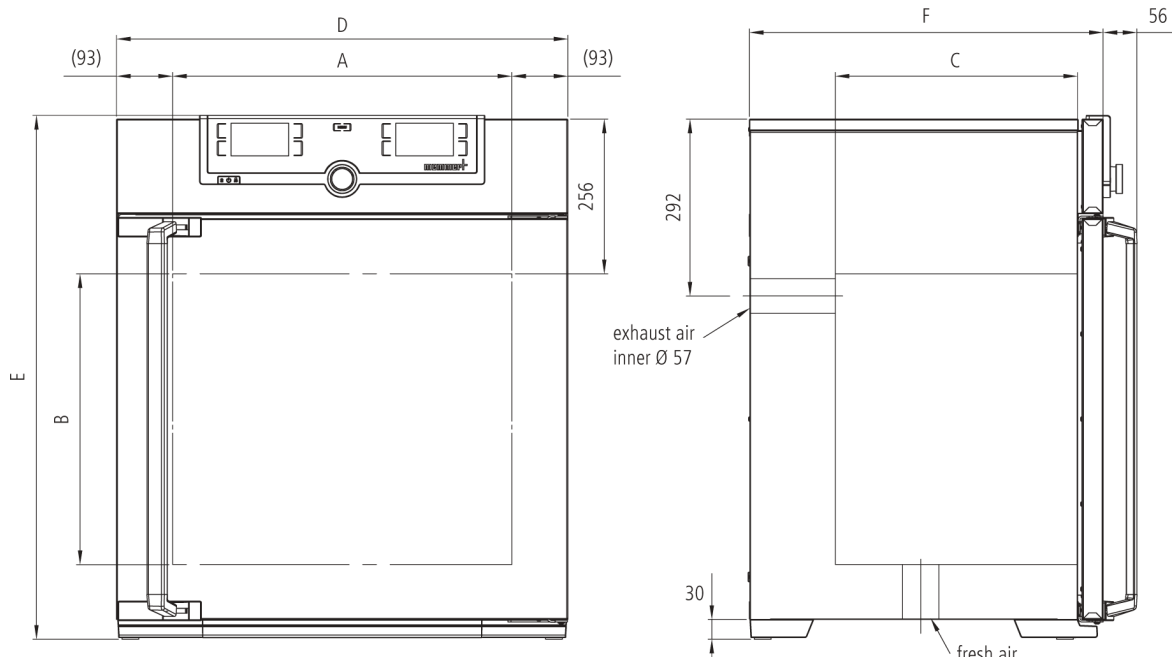
Paraffin oven

UN110pa

For many years, and with great precision, our paraffin oven UNpa has served users in science and research in sample preparation.



The universally applicable oven is our classic appliance for temperature control in science, research and material tests in industry. The technologically perfected masterpiece made of high-quality, hygienic, easy-to-clean stainless steel leaves nothing to be desired in terms of ventilation and control technology, overtemperature protection and precisely tuned heating technology.



Control of standard components

Control COCKPIT	adaptive multifunctional digital PID-microprocessor controller with 2 high-definition TFT-colour displays
Temperature	2 Pt100 sensors Class A in 4-wire-circuit, mutually monitoring and taking over the performance at the same temperature value
Timer	Digital backwards counter with target time setting, adjustable from 1 minute to 99 days

Temperature

resolution of display for setpoint and actual temperature values

Set temperature range in °C	min. 5°C above ambient up to +80°C
------------------------------------	------------------------------------

Control technology

Function HeatBALANCE	adapting the distribution of the heating performance of the upper and lower heating circuit from -50 % to +50 %
adjustable parameters	temperature (Celsius or Fahrenheit), programme time, time zones, summertime/wintertime
Function SetpointWAIT	the process time does not start until the set temperature is reached
Language setting	German/English/Spanish/French
Calibration	three freely selectable temperature values

Ventilation

natural convection

Communication

Programming	AtmoCONTROL software on a USB stick for programming, managing and transferring programmes via Ethernet interface or USB port
Documentation	programme stored in case of power failure

Safety

Autodiagnostic system	for fault analysis
Alarm	audible and visual
Temperature control	overtemperature monitor TWW, protection class 3.1 or adjustable temperature limiter TWB, protection class 2, selectable on display
AutoSAFETY	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 in case of overtemperature
Temperature control	mechanical temperature limiter TB, protection class 1 according to DIN 12880 to switch off the heating approx. 20°C above nominal temperature

Standard equipment

Internals	2 stainless steel grids
Scope of delivery	incl. works calibration certificate for +80°C
Door	fully insulated stainless steel door with 2-point locking (compression door lock)
Housing	rear zinc-plated steel
Interior	easy-to-clean interior, made of stainless steel, reinforced by deep drawn ribbing with integrated and protected large-area heating on four sides
Interior	nearly gas-tight interior

Stainless steel interior

$w_{(A)} \times h_{(B)} \times d_{(C)}$: 560 x 480 x 400 mm
Volume 108 l
Max. loading of chamber: 175 kg

Textured stainless steel casing

$w_{(D)} \times h_{(E)} \times d_{(F)}$: 745 x 864 x 584 mm
--

Electrical data

230 V, 50/60 Hz / approx. 2800 W
115 V, 50/60 Hz / approx. 2200 W

Packing/shipping data

the appliances must be transported upright

Customs tariff number	8419 8998
Country of origin	Federal Republic of Germany
WEEE-Reg.-No.	DE 66812464
	Dimensions approx incl. carton B x H x T: 830 x 1050 x 800 mm
	Net weight approx. 78 kg
	Gross weight carton approx. 103 kg