

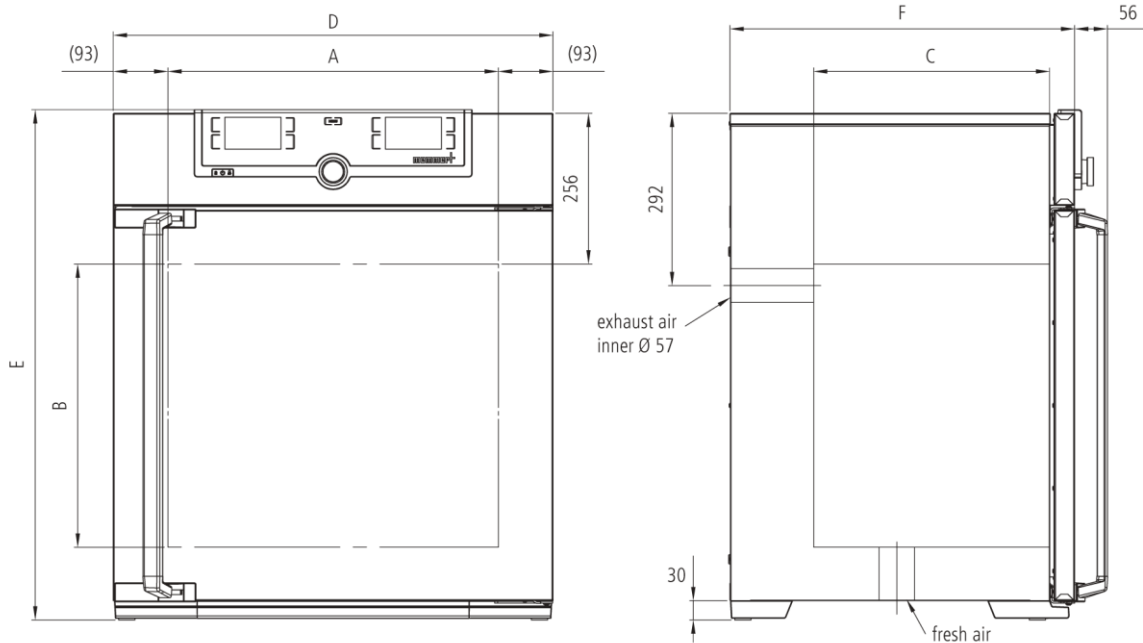


## Paraffin oven UN160pa

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

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

## Temperature

<b>Set temperature range in °C</b>	min. 5°C above ambient up to +80°C
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## Control technology

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

## Ventilation

natural convection

## Communication

<b>Programming</b>	AtmoCONTROL software on a USB stick for programming, managing and transferring programs via Ethernet interface or USB port
<b>Documentation</b>	program stored in case of power failure

## Safety

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

### Standard equipment

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

### Stainless steel interior

	$w_{(A)} \times h_{(B)} \times d_{(C)}$ : 22" x 28.4" x 15.8"
	Volume 161 l
	Max. loading of chamber: 462 lbs

### Textured stainless steel casing

	$w_{(D)} \times h_{(E)} \times d_{(F)}$ : 29.3" x 43.6" x 23"
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### Electrical data

	230 V (+ / - 10%), 50/60 Hz / 13.9 amps
	115 V (+ / - 10%), 50/60 Hz / 19.1 amps

### Packing/shipping data

the appliances must be transported upright

<b>Customs tariff number</b>	8419 8998
<b>Country of origin</b>	Federal Republic of Germany
<b>WEEE-Reg.-No.</b>	DE 66812464
	Dimensions approx. incl. carton W x H x D: 32.7" x 51.2" x 31.5"
	Net weight approx. 212 lbs
	Gross weight carton approx. 269 lbs