



memmert
Experts in Thermostatics

Product specification

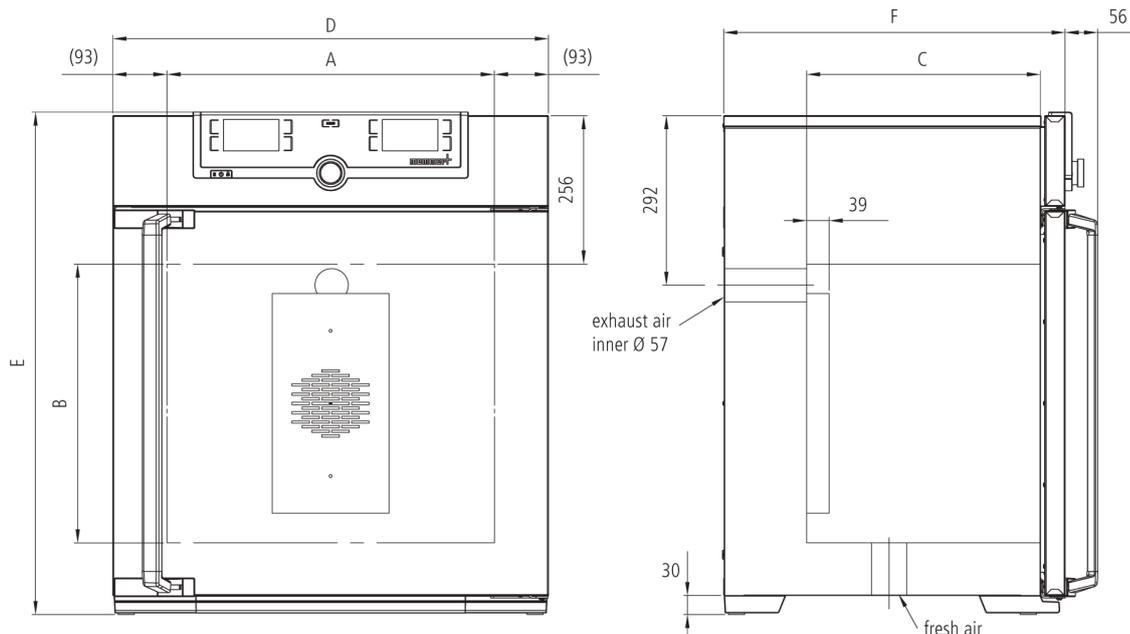
Cleanroom drying oven UF750 plus

The cleanroom-compliant drying oven for microelectronics, medical technology, pharmaceuticals and food technology.



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.

On this page, you can find all the essential technical data on the Memmert cleanroom oven. 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 myAtmoSAFE@memmert.com.



Memmert Cleanroom drying oven UF750 plus - en

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 timer adjustable from 1 minute to 99 days

Temperature

	resolution of display for setpoint values 0.1°C up to 99.9°C, 0.5°C from 100°C and for actual values 0.1°C (LED)
Set temperature range in °C	min.10 above ambient up to +300

Control technology

adjustable parameters	temperature (Celsius or Fahrenheit), fan speed, air flap position, programme time, time zones, summertime/wintertime
Function Setpoint WAIT	the process time does not start until the set temperature is reached
Function Heat BALANCE	adapting the distribution of the heating performance of the upper and lower heating circuit from -50 % to +50 %
Calibration	three freely selectable temperature values

Ventilation

Fan	forced air circulation by 2 quiet air turbines, 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 restrictor flap

Communication

Documentation	programme stored in case of power failure
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Safety

Autodiagnostic system	for fault analysis
Alarm	visual and acoustic
Temperature control	overtemperature monitor TWW, protection class 3.1 or adjustable temperature limiter TWB, protection class 2, selectable on display
Auto SAFETY	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

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Standard equipment

Scope of delivery	incl. works calibration certificate for +160°C
Door	fully insulated stainless steel doors with 2-point locking (compression door lock)
Housing	rear zinc-plated steel
Installation	on lockable castors
Interior	easy-to-clean interior, made of stainless steel, reinforced by deep drawn ribbing with integrated and protected large-area heating on four sides
Internals	2 stainless steel grids

Stainless steel interior

Max. loading of chamber:	300 kg
Dimensions W x H x D in mm	$w_{(A)} \times h_{(B)} \times d_{(C)}$: 1040 x 1200 x 600 mm
Volume	749 l

Textured stainless steel casing

$w_{(D)} \times h_{(E)} \times d_{(F)}$: 1224 x 1726 x 784 mm

Electrical data

400 V, 3 phases, 50 Hz / approx. 7000 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: 1330 x 1910 x 1050 mm
Net weight	approx. 217 kg
Gross weight carton	approx. 288 kg

Standard units are safety-approved and bear the test marks

