



UF30

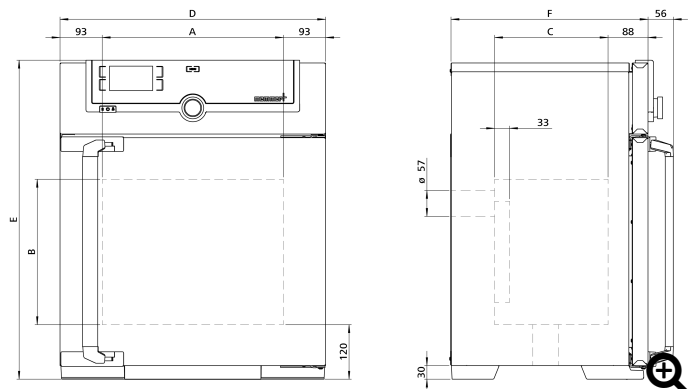
Precise drying, heating, ageing, burn-in and hardening in research, science, industry and quality assurance.



UF30

Standard delivery Universal oven

The universally applicable lab oven U is Memmert's 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 universal Memmert lab 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 sales@memmert.com.

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	1 Pt100 sensor DIN class A in 4-wire-circuit

Control technology

ControlCOCKPIT	SingleDISPLAY. Adaptive multifunctional digital PID-microprocessor controller with high-definition TFT-colour display
Timer	Digital backwards counter with target time setting, adjustable from 1 minute to 99 days
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 quiet air turbine, adjustable in 10 % steps
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Fresh air	Admixture of pre-heated fresh air by electronically adjustable air flap
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Vent	vent connection with restrictor flap
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Communication

Documentation	programme stored in case of power failure
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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).
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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
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Autodiagnostic system	for fault analysis
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Standard equipment

Works calibration certificate	Calibration at +160°C
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Door	fully insulated stainless steel door with 2-point locking (compression door lock)
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Internals	1 stainless steel grid(s), electropolished
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Stainless steel interior

Dimensions	$w_{(A)} \times h_{(B)} \times d_{(C)}$: 400 x 320 x 250 mm (d less 39 mm for fan)
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Interior	easy-to-clean interior, made of stainless steel, reinforced by deep drawn ribbing with integrated and protected large-area heating on four sides
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Volume	32 l
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Max. number of internals	3
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Max. loading of chamber	60 kg
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Max. loading per internal	20 kg
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Textured stainless steel casing

Dimensions	$w_{(D)} \times h_{(E)} \times d_{(F)}$: 585 x 704 x 434 mm (d +56mm door handle)
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Housing	rear zinc-plated steel
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Electrical data

Voltage Electrical load	230 V, 50/60 Hz approx. 1600 W
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Voltage Electrical load	115 V, 50/60 Hz approx. 1600 W
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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.
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Altitude of installation	max. 2,000 m above sea level
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Ambient temperature	+5 °C to +40 °C
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Humidity rh	max. 80 %, non-condensing
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Overvoltage category	II
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Pollution degree	2
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Packing/shipping data

Transport information 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** w x h x d: 660 x 890 x 650 mm

Net weight approx. 45 kg

Gross weight carton approx. 61 kg

Standard units are safety-approved and bear the test marks



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