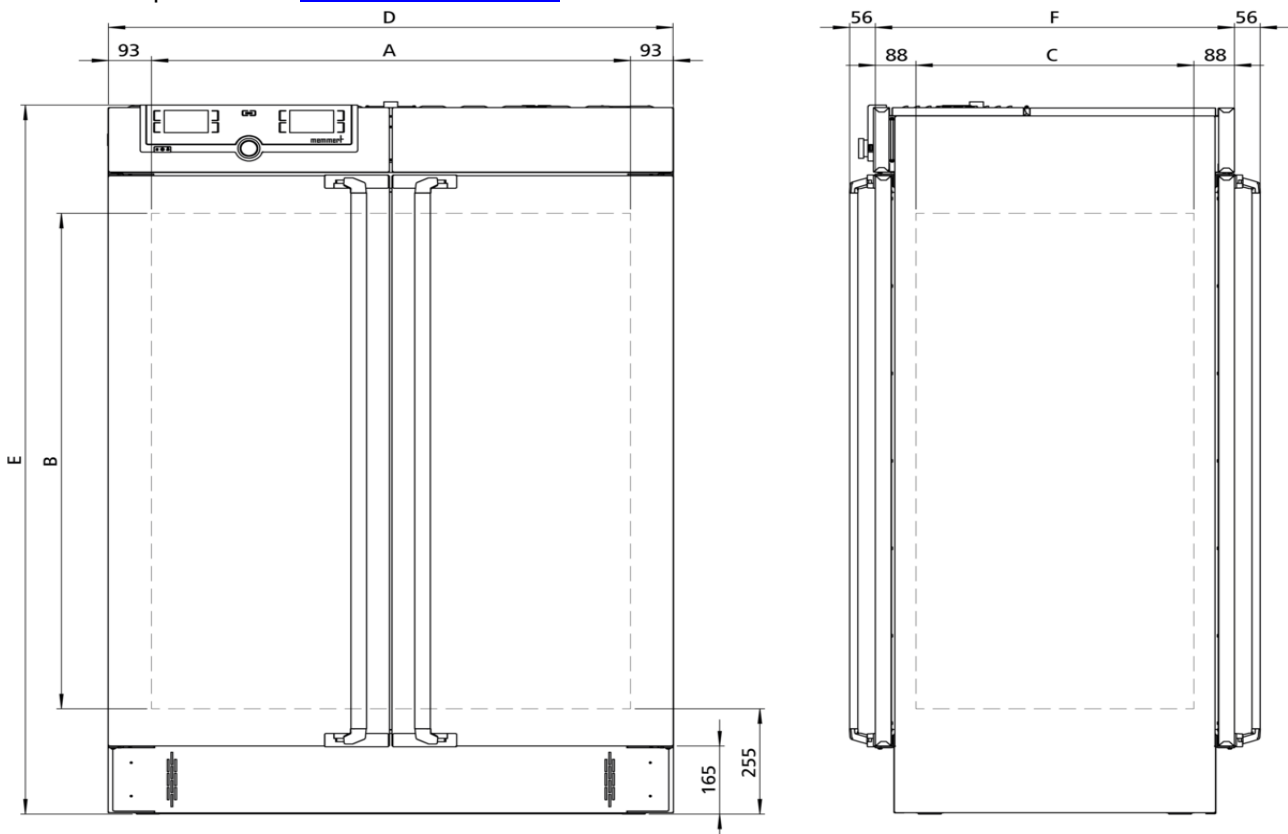


UF750TS

The Memmert pass-through oven saves time when loading and reduces the danger of contamination, especially when directly transporting the chamber load between the grey room and the clean room.



The Memmert heating oven with fully insulated stainless steel door on both sides saves time during loading and reduces the risk of contamination, specially when handling sensitive load between grey and clean rooms. On this page, you can find all the essential technical data on our pass-through 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 10 above ambient temperature to +250 °C
Setting accuracy temperature	up to 99.9 °C: 0.1 / from 100 °C: 0.5
Setting temperature range	+20 to +250°C
resolution of display for actual values	0.1°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

Ventilation

Fan	forced air circulation by quite air turbine, adjustable in 10 % steps for each segment individually
Fresh air	Admixture of pre-heated fresh air by electronically adjustable air flap
Vent	vent connection with restrictor flap

Communication

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

Safety

Temperature control	independently working, digitally adjustable electronic micro-processor overtemperature monitor TWW, protection class 3.1 (max-value for overtemperature, min-value for undertemperature)
Temperature control	mechanical temperature limiter TB, protection class 1 according to DIN 12880 to switch off the heating approx. 20°C above nominal temperature
AutoSAFETY	additionally integrated over- and undertemperature protection "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
Autodiagnostic system	for fault analysis
Alarm	visual and acoustic

Standard equipment

Works calibration certificate Calibration at +160°C

Door fully insulated stainless steel doors on two sides

Internals 2 stainless steel grid(s), electropolished

Installation with feet

Stainless steel interior

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 749 l

Dimensions $w_{(A)} \times h_{(B)} \times d_{(C)}$: 1040 x 1200 x 600 mm

Max. number of internals 14

Max. loading of chamber 300 kg

Max. loading per internal 30 kg

Textured stainless steel casing

Dimensions $w_{(D)} \times h_{(E)} \times d_{(F)}$: 1224 x 1714 x 782 mm (d +2x56mm door handle)

pass-through version

Electrical data

Voltage 400 V and 3x 230 V w/o neutral, 50/60 Hz approx. 5000 W

Electrical load

Ambient conditions

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-Reg.-No. DE 66812464

Dimensions approx incl. carton w x h x d: 1330 x 1920 x 1050 mm

Net weight approx. 260 kg

Gross weight carton approx. 331 kg

Standard units are safety-approved and bear the test marks

