

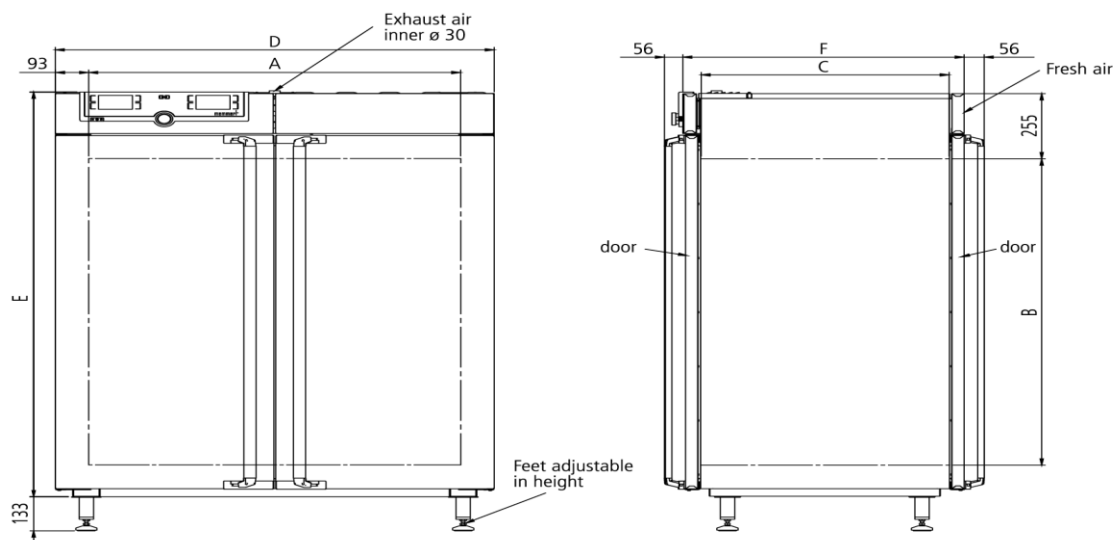


Pass-through oven UF450TS

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, especially 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.



Temperature

Setting temperature range in °C	min. 10°C above ambient up to +250°C
resolution of display for actual values	0.1°C
Temperature	2 Pt100 sensors Class A in 4-wire-circuit, mutually monitoring and taking over the performance at the same temperature value

Control technology

ControlCOCKPIT	TwinDISPLAY. Adaptive multifunctional digital PID-microprocessor controller with 2 high-definition TFT-color 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	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	program stored in case of power failure
Programming	AtmoCONTROL software on a USB stick for programming, managing and transferring programs 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

Door	fully insulated stainless steel doors on two sides
Internals	2 stainless steel grids
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	449 l
Dimensions W x H x D in inches	$w_{(A)} \times h_{(B)} \times d_{(C)}$: 40.9" x 28.3" x 23.6"
Max. number of grids/shelves	8
Max. loading of chamber	661 lbs
Max. loading per grid/shelf	66 lbs

Textured stainless steel casing

pass-through version

Dimensions	$w_{(D)} \times h_{(E)} \times d_{(F)}$: 48.2" x 48.5" x 30.8"
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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: 52.4" x 57.1" x 41.3"
Net weight	approx. 470 lbs
Gross weight carton	approx. 615 lbs

Standard units are safety-approved and bear the test marks

