Pass-through oven UF TS
with TwinDISPLAY
Forced convection
AtmoCONTROL standard software

Model sizes:
160 / 260 / 450 / 750
+20 °C to +250 °C

PASS-THROUGH OVEN UF TS Pass-through ovens UF TS are based on a standard heating oven and feature all technological highlights like product specific heating and perfectly adjusted control technology. The additional option of alternate door locking protects against contamination and, thanks to the split unit lid, access to all electronic components is possible at all times, despite a possible fixed wall installation.

Material lock with precise temperature control

The advantages of the Memmert drying oven with pass-through possibility always come into play when samples are to be transported without contamination.

It is the ideal material lock between the grey room and the cleanroom, and contamination during sample transport is reduced. The Memmert pass-through oven is equipped with a special air circulation system: the supply air takes place in the cleanroom and the exhaust air takes place in the grey room.

The pass-through oven UF TS is based on the Memmert standard heating oven UFplus and guarantees precision and thermal safety, especially when working in the clean room.

PASS-THROUGH OVENS UF TS

according to DIN 12880:2007-05, EN 61010-1 (IEC 61010-1), EN 61010-2-010

Standard units are safety-approved and bear the test marks: CE EAC

Interior: Stainless steel, mat. 1.4301 (ASTM 304), with all-round deep-drawn ribs to integrate the large-area heating with ceramic-metal sheath

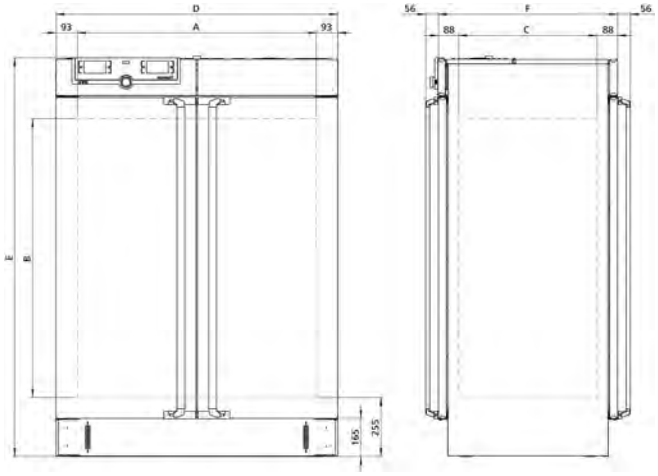
Housing: Textured stainless steel, intuitively operated TwinDISPLAY (TFT colour displays) with touchscreen, fully insulated stainless steel door on both sides (from model size 450 two leaves), pass-through version

Fresh air: Admixture of pre-heated fresh air by electronically adjustable air flap

Connection: Mains cable with plug (German type) (CEE plug for 400 V)

Installation: 4 feet

Interfaces: Ethernet LAN, USB



Model sizes/Description			160	260	450	750
Stainless steel interior	Volume	approx. l	161	256	449	749
	Width	(A) mm	560	640	1040	
	Height	(B) mm	720	800	720	1200
	Depth	(C) mm	400	500	600	
	Max. number of grids/shelves	number	8	9	8	14
	Max. loading per grid/shelf	kg	20		30	
	Max. loading of chamber	kg	210		300	
	Max. loading per slide-in drip tray	kg	3	4	8	
	Max. loading per bottom drip tray	kg	3	4	8	
Textured stainless steel exterior	Width	(D) mm	745	825	1224	
	Height	(E) mm	1233	1314	1233	1714
	Depth (without door handle, depth of handle 2x +56 mm)	(F) mm	582	682	782	
Standard equipment	Stainless steel grids, electropolished	number	2			
	Standard works calibration certificate (measuring point chamber center)	°C	+160			
Temperature	Working temperature range	°C	at least 10 above ambient temperature to +250			
	Setting temperature range	°C	+20 to +250			
	Setting accuracy	°C	up to 99.9: 0.1 / from 100: 0.5			
Further data	Electrical load at 230 V, 50/60 Hz	approx. W	3200	3400	-	
	Electrical load at 115 V, 50/60 Hz	approx. W	1800		-	
	Electrical load at 400 V and 3 x 230 V w/o neutral, 50/60 Hz	approx. W	-		4800	5000
Packing data	Net weight	approx. kg	120	138	213	260
	Gross weight (packed in carton)	approx. kg	146	189	279	331
	Width	approx. mm	830	930	1330	
	Height	approx. mm	1300	1380	1450	1920
	Depth	approx. mm	800	930	1050	
Order No. Pass-Through Ovens			UF160TS	UF260TS	UF450TS	UF750TS

Prices for options are only valid when ordering new appliances.
Not all options/accessories are combinable with each other. Please contact us for individual combination requests.

Options	160	260	450	750
Voltage 115 V, 50/60 Hz	X2		-	
Full-sight glass door (4 layer insulating glass) - extra cost per side - Temperature-range up to max. +250 °C	B0			
Chamber modification for the application of reinforced perforated stainless steel shelves or stainless steel grids (bearing rails mounted in the working chamber) - includes replacement of standard grids by reinforced grids	-		K1	
Entry port, 23 mm clear diameter, for introducing connections at the side, can be closed by flap, standard positions – left centre/centre	F0			
Entry port, 23 mm clear diameter, for introducing connections at the side, can be closed by flap, standard positions – left centre/top	F1			
Entry port, 23 mm clear diameter, for introducing connections at the side, can be closed by flap, standard positions – right centre/centre	F2			
Entry port, 23 mm clear diameter, for introducing connections at the side, can be closed by flap, standard positions – right centre/top	F3			
Entry port, 23 mm clear diameter for introducing connections at the side, can be closed by flap, in special positions (please state location) – left	F4			
Entry port, 23 mm clear diameter for introducing connections at the side, can be closed by flap, in special positions (please state location) – right	F5			
Locking mechanism to prevent simultaneous opening of doors for contamination protection in case of wall installation (requires option V5)	D5			
4 - 20 mA current loop interface (0 to +260 °C = 4 - 20 mA) – Temperature controller, actual value	V3			
4 - 20 mA current loop interface (0 to +260 °C = 4 - 20 mA) – Temperature of a Pt100 sensor positioned flexibly in chamber for external temperature monitoring (max. 3) - price per sensor	V6			
Fan speed monitoring with switching off the heating and with alarm in case of failure	V4			
Works calibration certificate for 3 temperatures: +100, +160, +220 °C	D00128			
Works calibration certificate for one (freely selectable) temperature value according to customer specification	D00109			
Door with lock (safety lock); per side	B6			
Door hinged on the left; price per side	B8		-	
Potential-free contact for combination error message (e.g. supply failure, sensor fault, fuse)	H6			
Potential-free contact (24 V/2 A) with socket, for signal generation, controlled by programme segment, for free-selectable functions to be activated (e.g. activation of audible and visual signals, exhaust motors, fans, stirrers, etc.); max. 2 contacts on 1-phase appliances – 2 contacts	H72			
Process-dependent electromagnetic door lock (both sides)	D4			
Door-open-recognition; per side	V5			
Flexible Pt100 temperature sensor, positioned flexibly in chamber or load, for local temperature measurement (up to 1 additional sensor is possible). The measured temperature will be indicated on the display, recorded in the integral data store, and can be documented via the AtmoCONTROL software	H8			
MobileALERT, notification by SMS in case of any error or alarm of the device (requires option H6)	C3			
Temperature restriction; Temperatures: +60, +70, +80, +95, +100, +120, +160, +180 or +200 °C (Please indicate upon ordering)	A8			

Accessories	160	260	450	750
Stainless steel grid, electropolished	E20165	E28891	E20182	
Reinforced stainless steel grid, electropolished, max. loading 60 kg; with guide bars and fixing screws (requires option K1). Please consider max. loading of chamber	-		B32190	
Perforated stainless steel shelf	B00325	B29725	B00328	
Reinforced stainless steel shelf, max. loading 60 kg; with guide bars and fixing screws (requires option K1). Please consider max. loading of chamber	-		B32191	
Stainless steel slide-in drip tray, 15 mm rim (may affect the temperature distribution, not in connection with option K1)	E02073	E29726	E02075	
Stainless steel slide-in drip tray, 15 mm rim, with guide bars and fixing screws (may affect the temperature distribution, only in connection with option K1)	-		B32763	
Stainless steel bottom drip tray, 15 mm rim (may affect the temperature distribution, not in connection with option K1)	B04359	B29722	B04362	
Stainless steel bottom drip tray, 15 mm rim (may affect the temperature distribution, only in connection with option K1)	-		B34055	
Flush-fit unit set (stainless steel frame covering gap between oven and wall opening), without air slots - technical clarification required	B33204	B33205	B33206	B33207
Guarantee extension by 1 year	GA1Q5	GA2Q5		
USB-Ethernet adapter	E06192			
Ethernet connection cable 5 m for computer interface	E06189			
USB User-ID stick (with User-ID licence): Oven-linked authorisation licence (User-ID-programme) on Memory-stick, prevents undesired manipulation by unauthorised third parties. When reordering please specify serial number	B33170			
Set of height adjustable feet (4 pcs)	B29768		-	
FDA conforming software AtmoCONTROL (FDA edition). Meets the requirements for the use of electronically stored data sets and electronic signatures as laid down in Regulation 21 CFR Part 11 of the US Food and Drug Administration (FDA). Base licence for the control of one unit. Respective IQ/OQ documents available in German and English language (without surcharge)	FDAQ1			
Integration of additional units (up to max. 31 units) into an already existent FDA-software licence	FDAQ2			
DAkkS calibration for one free-selectable temperature value according to method C (DKD-R 5-7)	E39696			
DAkkS calibration for further temperature values according to method C (DKD-R 5-7)	E39697			
IQ document with device-specific works test data, OQ/PQ check list as support for validation by customer	D00124			
IQ/OQ document with device-specific works test data for one free-selectable temperature value, incl. temperature distribution survey at Memmert for 27 measuring points to DIN 12880:2007-05. PQ check list as support for validation by customer. 305 € for further temperature values	D00127			
On-site IQ/OQ for a freely selectable temperature value, including temperature distribution survey for 27 measuring points to DIN 12880: 2007-05 (excluding travel costs, not subject to discount, GER, AT, FR only)	DLQ100			

Prices for options are only valid when ordering new appliances.
Not all options/accessories are combinable with each other. Please contact us for individual combination requests.

Accessories	160	260	450	750
Extension of DLQ100 by an additional freely selectable temperature value (not subject to discount)	DLQ100A			
Individual on-site Performance Qualification (PQ)	DLQ200			
Maintenance UIS - carrying out and documentation according to Memmert maintenance plan (excluding travel costs, not subject to discount, GER, AT, FR only)	S00311			
Maintenance contract UIS - carrying out and documentation according to Memmert maintenance plan, minimum duration 3 years (excluding travel costs, not subject to discount, GER, AT, FR only)	S00311J			
Calibration of one freely selectable temperature value (excluding travel costs, not subject to discount, GER, AT, FR only)	S00205			
Calibration of an additional temperature value (not subject to discount)	S00215			

Prices for options are only valid when ordering new appliances.
Not all options/accessories are combinable with each other. Please contact us for individual combination requests.