

Incubator INm and IFm with SingleDISPLAY Incubator INmplus and IFmplus with TwinDISPLAY Natural convection or forced air circulation AtmoCONTROL software

Model sizes: 30 / 55 / 75 / 110 / 160 / 260 / 450 / 750 +20 °C to +80 °C

INCUBATOR Im The heating and control system of the incubator Im has been specially designed for low temperatures in the range from +30 °C to +80 °C. Your load is heated particularly gently and without temperature overshoots. You can sterilise the interior of the INmplus and IFmplus models, including all installations, in a 4-hour programme at +160 °C to guarantee optimum hygiene.



Incubator Im is a medical device

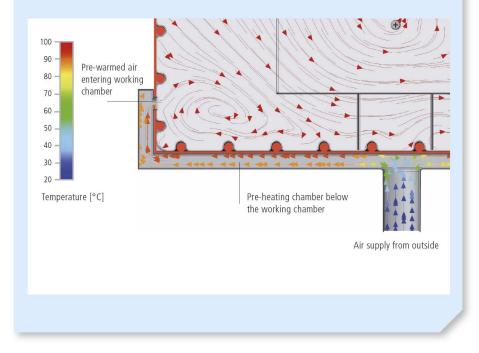
Memmert incubators Im are class I medical devices according to EU Directive 93/42/EEC.

According to the intended use, the incubators INmplus and IFmplus can be used for tempering rinsing and infusion solutions as well as contrast agents.



Know-how: Fresh air is preheated

Temperature deviations caused by fresh air can influence sample characteristics or prolong drying. In Memmert incubators, the fresh air is therefore fed through a pre-heating chamber and introduced into the working chamber.

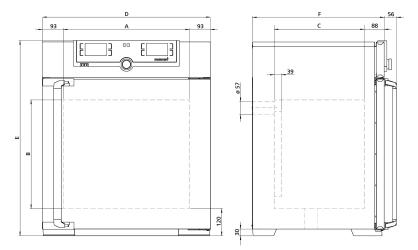


INCUBATORS Im

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: $C \in \mathbb{R}$

Interior:	Stainless steel, material 1.4301 (ASTM 304) with all-round deep-drawn ribs to integrate the large- area heating with ceramic-metal sheath
Housing:	Textured stainless steel, rear zinc-plated steel, intuitively operated SingleDISPLAY or TwinDISPLAY (TFT colour display) with touchscreen; inner glass door, outside fully insulated stainless steel door (from size 450 two leaves)
Fresh air:	Admixture of pre-heated fresh air by electronically adjustable airflap
Connection:	Mains cable with plug (German type)
Installation:	4 feet; sizes 450/750 mounted on lockable castors
Interfaces:	Ethernet USB
	USB: only TwinDISPLAY



Model sizes/Descri	ption		30	55	75	110	160	260	450	750	
Stainless steel interior	Volume	approx. I	32	53	74	108	161	256	449	749	
	Width	(A) mm		400		560		640	1040		
	Height	(B) mm	320	400	560	480	720	800	720	1200	
	Depth (less 39 mm for fan)	(C) mm	250	250 330		400		500	600		
	Max. number of grids/shelves	number	3	4	6	5	8	9	8	14	
	Max. loading per grid/shelf	kg		20 3						0	
	Max. loading of chamber	kg	60	80	120	175	210	300			
	Max. loading per slide-in drip tray	kg	1,5 3 4		4	8					
	Max. loading per bottom drip tray	kg	1,5			3	3	4	8		
Textured stainless steel exterior	Width	(D) mm		585		745		824	1224		
	Height (size 450, 750 with castors)	(E) mm	704	784	944	864	1104	1183	1247	1720	
	Depth (without door handle, depth of handle +56 mm)	(F) mm	434	434 514			34	684	784		
Standard equipment	Stainless steel grids, electropolished	number	1 2								
	Standard works calibration certificate (measuring point chamber center)	°C	+37								
Temperature	Working temperature range	°C	at least 5 (INm/INmplus) 10 (IFm/IFmplus) above ambient temperature up to +80								
	Setting temperature range	°C	+20 to +80								
	Setting accuracy	°C	0.1								
Further data	Electrical load at 230 V, 50/60 Hz	approx. W	1600	1000	1250	1400	1600	1700	1800	2000	
	Electrical load at 115 V, 50/60 Hz	approx. W	800 900 1500					1800			
Packing data	Net weight	approx. kg	48	57	66	76	96	110	161	217	
-	Gross weight (packed in carton)	approx. kg	64	76	85	101	122	161	227	288	
	Width	approx. mm	660	660 730			30	930	1330		
	Height	approx. mm	890	950	1130	1050	1300	1380	1440	1910	
	Depth	approx. mm	650	650 670			800		1050		
Order No. Incubators		IN30m	IN55m	IN75m	IN110m	IN160m	IN260m	IN450m	IN750m		
I = Incubator		IN30mplus	IN55mplus	IN75mplus	IN110mplus	IN160mplus	IN260mplus	IN450mplus	IN750mplus		
N = Natural convection		IF30m	IF55m	IF75m	IF110m	IF160m	IF260m	IF450m	IF750m		
F = Forced convection m = Medical device plus = Model with TwinDISPLAY		IF30mplus	IF55mplus	IF75mplus	IF110mplus	IF160mplus	IF260mplus	IF450mplus	IF750mplus		

plus = Model with TwinDISPLAY

Options	30	55	75	110	16	0 2	260	450	750	
Voltage 115 V, 50/60 Hz					X2					
Extended overtemperature protection by additionally integrated Pt100 sensor for independent temperature monitoring for models with SingleDISPLAY			A6							
Temperature restriction; Temperatures: +50, +55, +60, +65, +70 or +75 °C (Please indicate upon ordering)			A8							
Accessories		30	55	75	110	160	260	450	750	
Stainless steel grid, electropolished			E20	164	E20	165	E28891	E20	0182	
Reinforced stainless steel grid, electropolished, max. loading 60 kg. Please consider max.			_			E29767		-		
loading of chamber Perforated stainless steel shelf			B29727 B03916			B00325		B00328		
Stainless steel slide-in drip tray, 15 mm rim (may affect the temperature distri	hution)	E02070 E02072			E02073		B29725 E29726	E02075		
Stainless steel slide-in drip tray, 15 mm rim (may affect the temperature distribution) Stainless steel bottom drip tray, 15 mm rim (may affect the temperature distribution)					B04359		B29722	B04362		
Wall bracket for wall mounting	Sutiony	B04356 B29755	B29756 B29757		B29758 B29759		0107122	-		
Guarantee extension by 1 year				GA1Q5				GA2Q5		
USB-Ethernet adapter		E06192								
Ethernet connection cable 5 m for computer interface		E06182								
USB User-ID stick (with User-ID licence): Oven-linked authorisation licence (Usprogramme) on Memory-stick, prevents undesired manipulation by unauthori parties. When reordering please specify serial number (only for units with Twi	B33170									
USB stick with documentation software AtmoCONTROL and operation manual for products with SingleDISPLAY (the standard equipment of appliances with TwinDISPLAY includes one USB stick with AtmoCONTROL). When reordering please specify serial number			B33172							
Set of height adjustable feet (4 pcs)					768				-	
Stacking set (4 pcs) for stacking of appliances of same size Plug-in tube extension (outer diam. 60.3 mm, inner 57 mm), straight, for exhaust air			B29744 - B29718							
ducting (if necessary for connection by hose) Plug-in tube extension (outer diam. 60.3 mm, inner 57 mm), angled, for exha (if necessary for connection by hose)	ust air ducting	B29719								
	Flush-fit unit (stainless steel frame covering gap between oven and wall opening), with air			B29732	B29734	B29736	B29738	B29740	B29742	
Flush-fit unit (stainless steel frame covering gap between oven and wall oper air slots	ning), without	B29729	B29731	B29733	B29735	B29737	B29739	B29741	B29743	
Subframe, adjustable in height (size 30 to 75: height 600 mm, size 110 to 45 mm)	5	B29745 B29746	-	747		9749	B29751	B29753	-	
Subframe, on castors (size 30 to 75: height 660 mm, size 110 to 160: height 560 mm)				748		750		-		
Subframe, adjustable in height, height 130 mm, for example for units with fresh air filter Software conforming to FDA AtmoCONTROL. 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) (only for units with TwinDISPLAY). Respective IQ/OQ documents available in German and English language (without surcharge).			B33657 B33659 B33661 B33664 - FDAQ1							
Integration of one additional unit (up to max. 31 units) into an already existent FDA- software licence (only for units with TwinDISPLAY)			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) IQ document with device-specific works test data, OQ/PQ check list as support for			E39697							
validation by customer			D00124							
Q/OQ document with device-specific works test data for one free-selectable temperature value, incl. temperature distribution survey at Memmert for 9 measuring points (size 30), 27 measuring points (sizes 55 - 1060) to DIN 12880:2007-05. PQ check list as support for validation by customer. 305 € for further temperature values		D00125 D00127								
On-site IQ/OQ for a freely selectable temperature value, including temperature distribution survey for 9 measuring points (size 30), 27 measuring points (sizes 55 - 750) to DIN 12880: 2007-05 (excluding travel costs, not subject to discount, GER, AT, FR only)			DLQ100							
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)			\$00205							
Calibration of an additional temperature value (not subject to discount)				S00)215					



Steriliser SN and SF with SingleDISPLAY Steriliser SNplus and SFplus with TwinDISPLAY Natural convection or forced air circulation AtmoCONTROL software

Model sizes: 30 / 55 / 75 / 110 / 160 / 260 / 450 / 750 +20 °C to +250 °C

STERILISER S Medicine has the goal of protecting and saving lives. Therefore, disinfection of receptacles and instruments is not enough. The setpoint-dependent programme resume function SetpointWAIT of Memmert hot air sterilisers guarantees precise sterilisation times and the complete killing off of even the most resistant microorganisms.