

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.

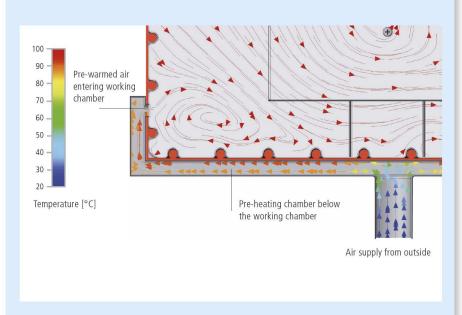
According to the intended use, the incubators INmplus and IFmplus can be used for tempering rinsing and infusion solutions as well as contrast agents.



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





Interior:

Stainless steel, material 1.4301 (ASTM 304) with all-round deep-drawn ribs to integrate the largearea heating with ceramic-metal sheath

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) Housing:

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

Connection: Mains cable with plug (German type)

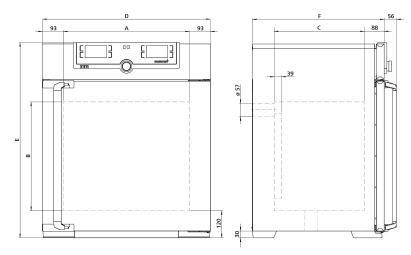
Installation: 4 feet; sizes 450/750 mounted on lockable castors

Interfaces:





USB: only TwinDISPLAY



Model sizes/Descri	ption		30	55	75	110	160	260	450	750	
Stainless steel interior	Volume	approx. l	32	53	74	108	161	256	449	749	
	Width	(A) mm		400		5	50	640	10	40	
	Height	(B) mm	320	400	560	480	720	800	720	1200	
	Depth (less 39 mm for fan)	(C) mm	250	250 330			00	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	8		
	Max. loading per bottom drip tray	kg	1,5 3 4					4	1 8		
Textured stainless	Width	(D) mm	585 745 824				1224				
steel exterior	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	5	14	584 684			784		
Standard	Stainless steel grids, electropolished	number	1 2								
equipment	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		830		930	1330		
	Height	approx. mm	890	950	1130	1050	1300	1380	1440	1910	
	Depth	approx. mm	650	670		800		930	1050		
Order No. Incubators		IN30m	IN55m	IN75m	IN110m	IN160m	IN260m	IN450m	IN750n		
I = Incubator			IN30mplus	IN55mplus	IN75mplus	IN110mplus	IN160mplus	IN260mplus	IN450mplus	IN750mp	
N = Natural cor	nvection		IF30m	IF55m	IF75m	IF110m	IF160m	IF260m	IF450m	IF750n	
F = Forced conv											
m = Medical de	vice		IF30mplus	IF55mplus	IF75mplus	IF110mplus	IF160mplus	IF260mplus	IF450mplus	IF750mp	
plus = Model with	TwinDISPLAY			1.00		, , , , , , , , , , , , , , , , , , ,					

Voltage 115 V, 50/60 Hz Extended overtemperature protection by additionally integrated Pt100 sensor for independent temperature monitoring for models with SingleDISPLAY (Please indicate upon ordering) Accessories Stainless steel grid, electropolished Reinforced stainless steel grid, electropolished, max. loading 60 kg. Please consider max. loading 60 kg. Please consider max. loading of chamber Perforated stainless steel shelf Stainless steel slide-in drip tray, 15 mm rim (may affect the temperature distribution) Stainless steel slide-in drip tray, 15 mm rim (may affect the temperature distribution) Wall bracket for wall mounting Guarantee extension by 1 year USB-thernet adapter Ethernet connection cable 5 m for computer interface 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 (only for units with TwinDISPLAY) 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 (Statish adjustable feet (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 ducting (if necessary for connection by hose) Plug-in tube extension (outer diam. 60.3 mm, inner 57 mm), angled, for exhaust air ducting (if necessary for connection by hose) Flush-fit unit (stainless steel frame covering gap between oven and wall opening), with air slots Subframe, adjustable in height (size 30 to 75: height 600 mm, size 110 to 450: height 500 mm) Subframe, on castors (size 30 to 75: height 660 mm, size 110 to 160: height 560 mm) Subframe, on castors (size 30 to 75: height 600 mm, size 110 to 160: height 560 mm) Subframe, on castors (size 30 to 75: height 600 mm, size 110 to 160: height 560 mm) Subframe,	30 E28884 B29727 E02070 B04356 B29755 B29745 B29728 B29745 B29746 B33657	B03 E02 B04 B29756 B29730 B29731 B29	B29732 B29733 747	E29 B00 E02 B04 B29758 E06 E06 B33 B33 B33 B33 B33 B33 B33 B33 B33 B3	160 1165 1767 1325 1073 1359 1359 1829759 15192 15189 15170 16172 1718 1719	260 E28891 E29766 B29725 E29726 B29722 B29738 B29739 B29751 B33664	B00 E02	750 1182 - 1328 075 1362 - B2974:
sensor for independent temperature monitoring for models with SingleDISPLAY Temperature restriction; Temperatures: +50, +55, +60, +65, +70 or +75 °C (Please indicate upon ordering) Accessories Stainless steel grid, electropolished Reinforced stainless steel grid, electropolished, max. loading 60 kg. Please consider max. loading of chamber Perforated stainless steel shelf Stainless steel slide-in drip tray, 15 mm rim (may affect the temperature distribution) Stainless steel slide-in drip tray, 15 mm rim (may affect the temperature distribution) Wall bracket for wall mounting Guarantee extension by 1 year USB-Ethernet adapter Ethernet connection cable 5 m for computer interface 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 (only for units with TwinDISPLAY) 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 CSet of height adjustable feet (4 pcs) 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 ducting (if necessary for connection by hose) Plug-in tube extension (outer diam. 60.3 mm, inner 57 mm), angled, for exhaust air ducting (if necessary for connection by hose) Plug-in tube extension (outer diam. 60.3 mm, inner 57 mm), angled, for exhaust air ducting is slots 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 fresh air filter Software conforming to FDA AtmoCONTROL. Meets t	B29727 E02070 B04356 B29755 B29755 B29729 B29745 B29745	B29730 B29731 B29 B29	B29732 B29733 747	A8 110 E20 E29 B00 E02 B04 B29758 E06 E06 B33 B33 B33 B33 B33 B33 B33 B	1165 1767 1325 1073 1359 1829759 13170 13172	E28891 E29766 B29725 E29726 B29722 B29738 B29738 B29739	E20 B00 E02 B04 - GA2Q5	182 - 1328 0075 1362
Accessories Stainless steel grid, electropolished Reinforced stainless steel grid, electropolished, max. loading 60 kg. Please consider max. oading of chamber Perforated stainless steel shelf Stainless steel slide-in drip tray, 15 mm rim (may affect the temperature distribution) Stainless steel slide-in drip tray, 15 mm rim (may affect the temperature distribution) Wall bracket for wall mounting Suarantee extension by 1 year JSB-Ethernet adapter Ethernet connection cable 5 m for computer interface JSB User-ID stick (with User-ID licence): Oven-linked authorisation licence (User-ID- Joanname) on Memory-stick, prevents undesired manipulation by unauthorised third barties. When reordering please specify serial number (only for units with TwinDISPLAY) JSB stick with documentation software AtmoCONTROL and operation manual for products with SingleDISPLAY includes one JSB stick with AtmoCONTROL). When reordering please specify serial number Set of height adjustable feet (4 pcs) 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 ducting (if necessary for connection by hose) Plug-in tube extension (outer diam. 60.3 mm, inner 57 mm), angled, for exhaust air ducting (if necessary for connection by hose) Plug-in tube extension (outer diam. 60.3 mm, inner 57 mm), angled, for exhaust air ducting if necessary for connection by hose) Plug-in tube extension (outer diam. 60.3 mm, inner 57 mm), angled, for exhaust air ducting if necessary for connection by hose) Plug-in tube extension of the plug the	B29727 E02070 B04356 B29755 B29755 B29729 B29745 B29745	B29730 B29731 B29 B29	B29732 B29733 747	110 E20 E29 B00 E02 B04 B29758 E06 E06 B33 B33 B33 B33 B33 B33 B33 B33 B33 B3	1165 1767 1325 1073 1359 1829759 13170 13172	E28891 E29766 B29725 E29726 B29722 B29738 B29738 B29739	E20 B00 E02 B04 - GA2Q5	182 - 1328 1075 1362
Reinforced stainless steel grid, electropolished Reinforced stainless steel grid, electropolished, max. loading 60 kg. Please consider max. oading of chamber Perforated stainless steel shelf Stainless steel slide- in drip tray, 15 mm rim (may affect the temperature distribution) Mall bracket for wall mounting Suarantee extension by 1 year JSB-Ethernet adapter Ethernet connection cable 5 m for computer interface JSB User-ID stick (with User-ID licence): Oven-linked authorisation licence (User-ID- programme) on Memory-stick, prevents undesired manipulation by unauthorised third barties. When reordering please specify serial number (only for units with TwinDISPLAY) JSB stick with documentation software AtmoCONTROL and operation manual for products with SingleDISPLAY (the standard equipment of appliances with TwinDISPLAY) includes one JSB stick with AtmoCONTROL). When reordering please specify serial number set of height adjustable feet (4 pcs) 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 slucting (if necessary for connection by hose) Plug-in tube extension (outer diam. 60.3 mm, inner 57 mm), angled, for exhaust air ducting if necessary for connection by hose) Plug-in tube extension (outer diam. 60.3 mm, inner 57 mm), angled, for exhaust air ducting if necessary for connection by hose) Plug-in tube extension (outer diam. 60.3 mm, inner 57 mm), angled, for exhaust air ducting if necessary for connection by hose) Plug-in tube extension (outer diam. 60.3 mm, inner 57 mm), angled, for exhaust air ducting if necessary for connection by hose) Plug-in tube extension (outer diam. 60.3 mm, inner 57 mm), angled, for exhaust air ducting if necessary for connection by hose) Plug-in tube extension (outer diam. 60.3 mm, inner 57 mm), angled, for exhaust air ducting if necessary for connection by hose) Plug-in tube extension (outer diam. 60.3 mm, inner 57 mm), angled, for exhaust air ducting if necessary for connection by hose) Pl	B29727 E02070 B04356 B29755 B29755 B29729 B29745 B29745	B29730 B29731 B29 B29	B29732 B29733 747	E20 E29 B00 E02 B04 B29758 E06 E06 B33 B33 B33 B33 B29734 B29734 B29735 B29 B33	1165 1767 1325 1073 1359 1829759 13170 13172	E28891 E29766 B29725 E29726 B29722 B29738 B29738 B29739	E20 B00 E02 B04 - GA2Q5	182 - 1328 1075 1362
Reinforced stainless steel grid, electropolished, max. loading 60 kg. Please consider max. loading of chamber Perforated stainless steel shelf Stainless steel bide-in drip tray, 15 mm rim (may affect the temperature distribution) Stainless steel bottom drip tray, 15 mm rim (may affect the temperature distribution) Mall bracket for wall mounting Suarantee extension by 1 year USB-Ethernet adapter Ethernet connection cable 5 m for computer interface USB User-ID stick (with User-ID licence): Oven-linked authorisation licence (User-ID- programme) on Memory-stick, prevents undesired manipulation by unauthorised third loanties. When reordering please specify serial number (only for units with TwinDISPLAY) 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 set of height adjustable feet (4 pcs) 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 ducting (if necessary for connection by hose) Plug-in tube extension (outer diam. 60.3 mm, inner 57 mm), angled, for exhaust air ducting if necessary for connection by hose) Plush-fit unit (stainless steel frame covering gap between oven and wall opening), with air slots Subframe, on castors (size 30 to 75: height 600 mm, size 110 to 160: height 560 mm) Subframe, adjustable in height (size 30 to 75: height 600 mm, size 110 to 160: height 560 mm) Subframe, adjustable in height, height 130 mm, for example for units with fresh air filter is offtware 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 art 11 of the US Food and Drug Administration (FDA) (only for units with TwinDISPLAY). Respective IQ/QQ documents available in German and English language (without surcharge). OARKS calibration f	B29727 E02070 B04356 B29755 B297755 B29728 B29729 B29745 B29746	B03 E02 B04 B29756 B29730 B29731 B29 B29	916 072 358 B29757 GA1Q5 744 B29732 B29733 747	E29 B00 E02 B04 B29758 E06 E06 B33 B33 B33 B33 B29768 B29 B29734 B29735 B29 B33	7767 9325 9073 9325 9073 9325 9192 9189 9170 91718 91718 92718 92718 92736 92737 92749 92750 9661	B29738 B29739 B29751	B00 E02 B04 - GA2Q5 - GA2Q5	- 1328 1075 1362
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JSB-Ethernet adapter Ethernet connection cable 5 m for computer interface JSB 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 (only for units with TwinDISPLAY) JSB stick with documentation software AtmoCONTROL and operation manual for products with SingleDISPLAY (the standard equipment of appliances with TwinDISPLAY includes one JSB stick with AtmoCONTROL). When reordering please specify serial number set of height adjustable feet (4 pcs) 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 slucting (if necessary for connection by hose) Plug-in tube extension (outer diam. 60.3 mm, inner 57 mm), angled, for exhaust air ducting if necessary for connection by hose) Plush-fit unit (stainless steel frame covering gap between oven and wall opening), with air slots Flush-fit unit (stainless steel frame covering gap between oven and wall opening), without air slots Subframe, adjustable in height (size 30 to 75: height 600 mm, size 110 to 160: height 560 mm) Subframe, and justable 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 art 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). Integration of one additional unit (up to max. 31 units) into an already existent FDA- bottware licence (only for units with TwinDISPLAY) OAkkS calibration for one free-selectable temperature value according to method C (DKD-R 5-7) OAkkS calibration for further temperature values according to method C (DKD-R 5-7) OAkkS calibration for further temperature values a	B29728 B29729 B29745 B29746	B29730 B29731 B29731 B29	B29732 B29733 747	B29 B29734 B29735 B29735 B29833	5192 5189 3170 3172 3718 3719 829736 829737 3749 3750	B29739 B29751	B29740 B29741	
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validation by customer IQ/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					9697			
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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							
ndividual on-site Performance Qualification (PQ)	DLQ200							
Maintenance UIS - carrying out and documentation according to Memmert maintenance olan (excluding travel costs, not subject to discount, GER, AT, FR only) Maintenance contract UIS - carrying out and documentation according to Memmert				500)311			
naintenance plan, minimum dúraťion 3 years (excluding travel costs, not subject to discount, GER, AT, FR only)				S00	311J			
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)	S00215							



Steriliser SN and SF with SingleDISPLAY
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AtmoCONTROL software

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