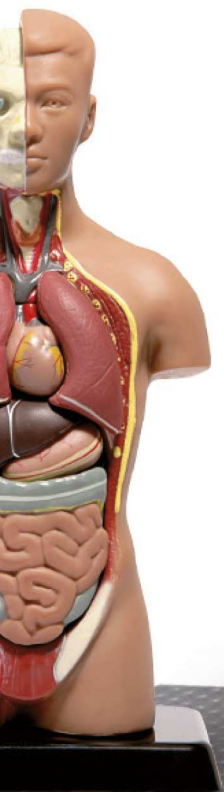




Incubator INm and IFm with SingleDISPLAY  
 Incubator INmplus and IFmplus  
 with TwinDISPLAY  
 Natural convection or forced air circulation  
 AtmoCONTROL software

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.

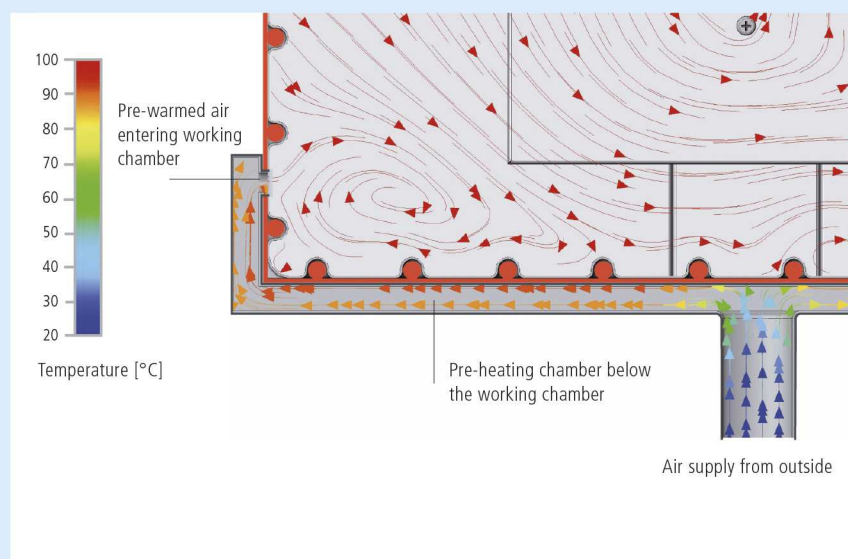
According to the intended use, the incubators INmplus and IFmplus can be used for tempering, rinsing and infusion solutions as well as contrast agents.



### 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:   

**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)

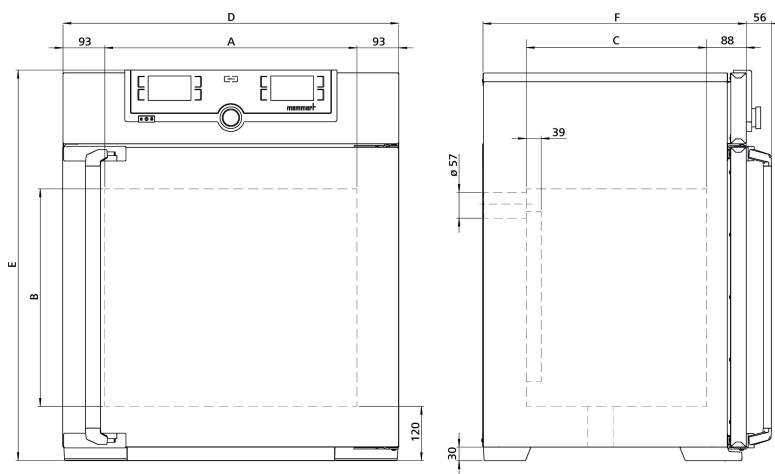
**Fresh air:** Admixture of pre-heated fresh air by electronically adjustable airflap

**Connection:** Mains cable with plug (German type)

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

**Interfaces:**  

USB: only TwinDISPLAY



| Model sizes/Description           |   |            | 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   |           | 560       |            | 640        |            | 1040       |            |  |
|                                   | Height  | (B) mm     | 320   | 400       | 560       | 480        | 720        | 800        | 720        | 1200       |  |
|                                   | Depth (less 39 mm for fan)  | (C) mm     | 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  |           |           |            |            |            | 30         |            |  |
|                                   | 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          |            | 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   | 514       |           | 584        |            | 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   | 730       |           | 830        |            | 930        |            | 1330       |  |
|                                   | Height  | approx. mm | 890   | 950       | 1130      | 1050       | 1300       | 1380       | 1440       | 1910       |  |
|                                   | Depth   | approx. mm | 650   | 670       |           | 800        |            | 930        |            | 1050       |  |
| <b>Order No. Incubators</b>       |   |            | 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                |   |            | IF30mplus   | IF55mplus | IF75mplus | IF110mplus | IF160mplus | IF260mplus | IF450mplus | IF750mplus |  |
| plus = Model with TwinDISPLAY     |   |            |   |           |           |            |            |            |            |            |  |

| Options  | 30      | 55     | 75     | 110    | 160    | 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  | E28884  | E20164 |        | E20165 |        | E28891 | E20182 |        |
| Reinforced stainless steel grid, electropolished, max. loading 60 kg. Please consider max. loading of chamber  | -       |        |        | E29767 |        | E29766 | -      |        |
| Perforated stainless steel shelf   | B29727  | B03916 |        | B00325 |        | B29725 | B00328 |        |
| Stainless steel slide-in drip tray, 15 mm rim (may affect the temperature distribution)  | E02070  | E02072 |        | E02073 |        | E29726 | E02075 |        |
| Stainless steel bottom drip tray, 15 mm rim (may affect the temperature distribution)  | B04356  | B04358 |        | B04359 |        | B29722 | B04362 |        |
| Wall bracket for wall mounting   | B29755  | B29756 | B29757 | B29758 | B29759 | -      |        |        |
| 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 (only for units with TwinDISPLAY)   | 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)  | B29768  |        |        |        |        |        | -      |        |
| Stacking set (4 pcs) for stacking of appliances of same size   | B29744  |        |        |        | -      |        |        |        |
| Plug-in tube extension (outer diam. 60.3 mm, inner 57 mm), straight, for exhaust air ducting (if necessary for connection by hose)   | B29718  |        |        |        |        |        |        |        |
| Plug-in tube extension (outer diam. 60.3 mm, inner 57 mm), angled, for exhaust air ducting (if necessary for connection by hose)   | B29719  |        |        |        |        |        |        |        |
| Flush-fit unit (stainless steel frame covering gap between oven and wall opening), with air slots  | B29728  | B29730 | B29732 | B29734 | B29736 | B29738 | B29740 | B29742 |
| Flush-fit unit (stainless steel frame covering gap between oven and wall opening), without air slots   | B29729  | B29731 | B29733 | B29735 | B29737 | B29739 | B29741 | B29743 |
| Subframe, adjustable in height (size 30 to 75: height 600 mm, size 110 to 450: height 500 mm)  | B29745  | B29747 |        | B29749 |        | B29751 | B29753 | -      |
| Subframe, on castors (size 30 to 75: height 660 mm, size 110 to 160: height 560 mm)  | B29746  | B29748 |        | B29750 |        | -      |        |        |
| Subframe, adjustable in height, height 130 mm, for example for units with fresh air filter   | B33657  | B33659 |        | B33661 |        | B33664 | -      |        |
| 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). | 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)   | 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 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)   | S00205  |        |        |        |        |        |        |        |
| Calibration of an additional temperature value (not subject to discount)   | S00215  |        |        |        |        |        |        |        |



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.

