

EmTherm

warming
cabinets

EmTherm 1D

The EmTherm 1D provides warmth at every necessary location in the clinic – in a safe, reliable and simple-to-use manner. Long walks to and from warming cabinets installed in a central location become a thing of the past, which can be of special importance in emergencies.

The EmTherm 1D is a benchtop version, of 30L capacity, designed for the warming of infusion, irrigation fluids, contrast media as well as non-liquid items. Temperatures up to 42°C can be easily preset by the user.

High quality materials ensure a robust construction for use in demanding environments. The compact design allows easy placement even in congested Intensive Care settings.



Approx. load. capacity:

12 bottles of 1000 ml
or 24 bottles of 500 ml
or 2 bags of 5000 ml
or 3 bags of 3000 ml



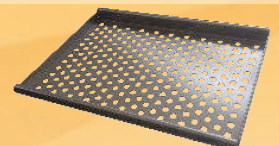
EmTherm 2D

Free space in the Pre-OP, OP or ICU is always at a premium and large warming cabinets are often relegated away from the point of care. The solution is the EmTherm 2D, a convenient mid-sized cabinet for which a place can always be found. A mobile unit with a capacity of 60L, It features 2 draws for pre-warming and storing IV fluids, irrigation fluids, gel pads and accessories (textiles, syringes, instruments etc.). When additional capacity is required, the EmTherm 1D is designed to fit perfectly on top of the 2D.

Self-closing drawers, anti-static lockable castors and a simple to use control panel enhance the robust construction.

Hygiene is of paramount importance in critical settings and the EmTherm 2D, with its removable draws, has been designed for easy cleaning both outside and in.

Accessory: An optional shelf is available for better warming of additional irrigation bags



Approx. load capacity:

24 bottles of 1000 ml
or 40 bottles of 500 ml
or 4 bags of 5000 ml
or 6 bags of 3000 ml



EmTherm 3DS – Blanket Warming

Warmed blankets in the Pre-OP add to the comfort and psychological well-being of the patient while in the Post OP and recovery rooms they can also help to mitigate any inadvertent peri-operative hypothermia. Warming patients pre- and post-operatively reduces incidences of post-operation infections, reduces the over prescription of antibiotics and consequently eases the financial burden on health services.

The Emtherm 3DS is a mobile warming cabinet with a 300L capacity designed for the pre-warming of blankets and textiles up to 70°C. Internal lighting is an added feature in the 3DS.

5 removable and height adjustable shelves give a storage flexibility to meet the most discerning requirements while the robust wheels allow movement for floor cleaning.

Heavy-duty construction and hardware ensure many years of trouble free operation while the high grade insulation of the chamber keeps running costs to a minimum.



EmTherm 3DW – Blanket and Fluid Warming

The EmTherm 3DW is designed to safely warm blankets and irrigation/injection fluids.

Two separate warming chambers, with individual heating circuits and controls enable your varied warming requirements from one point.

The upper compartment has 3 height adjustable shelves for warming blankets etc. up to 70°C. A triple glazed glass door and full wall insulation helps prevent heat-radiation when the unit is closed, while a unique air-curtain system minimizes loss of warm air when the door is opened, saving energy and preventing an uncomfortable flow of hot air onto the user. For added comfort this chamber is fitted with gentle LED illumination which can be activated as desired.

In the lower segment there are two drawers for warming infusion/irrigation fluids up to 42°C.

To meet all hygiene requirements the drawers are removable for cleaning and the device is on castors to allow floor cleaning. The base is fitted with edge guards for added protection.



FLUID PRE-WARMING

for all clinical situations

Widespread clinical evidence shows the benefits of preventing hypothermia during surgery, emergency and critical care situations. Guidelines stress the importance of warming intravenous solutions and irrigation fluids as part of the prevention process.

EmTherm warming cabinets use advanced heat technology to provide high convective heat transfer characteristics while precision controlled temperature regulation guarantees evenly distributed warmth.



Adjustable temperature settings ensure optimal warming of:

- IV solutions
- Irrigation fluids
- Contrast media
- Peritoneal dialysis packs
- Syringes, instruments etc

TECHNICAL SPECIFICATION

EmTherm 1D

- 30L desktop version
- Coated insulation plates
- Weight: 18kg
- Dimensions (w x d x h): 350 x 620 x 400mm



EmTherm 2D

- 60L mobile unit on wheels (2 front wheels lockable)
- 2 self-closing drawers
- Coated insulation plates
- Weight: 40kg
- Dimensions (w x d x h): 350 x 620 x 823mm
- Drawer (w x d x h): 235 x 410 x 260mm



EmTherm 3DS

- 300L central mobile unit on wheels (2 front wheels lockable)
- transparent self-closing door
- 5 height adjustable shelves
- stainless steel body (internal acid resistant steel)
- internal lighting
- Weight: 200kg
- Dimensions (w x d x h): 690 x 740 x 1740mm
- Dimensions with buffers: 740 x 790 x 1740mm













EmTherm 3DW

- 300L central mobile unit on wheels (2 front wheels lockable)
- 2 separately controlled warming chambers
- Air curtain in top chamber
- Transparent self-closing doors
- 3 height adjustable shelves
- 2 self-closing drawers
- stainless steel body (internal acid resistant steel)
- Internal lighting
- Weight: 200kg
- Dimensions (w x d x h): 690 x 740 x 1740mm
- Dimensions with buffers: 740 x 790 x 1740mm



OPERATION & FUNCTIONS

-  **Adjustable temperature range: EmTherm 1D and 2D:** 25°C to 42°C;
EmTherm 3DS: 25°C to 70°C; **EmTherm 3DW:** drawers: 25°C to 42°C, upper chamber: 25°C to 70°C
-  **Ambient Temperature (Operating):** 18°C to 30°C
-  **Storage:** 5°C to 55°C
-  **Relative Humidity:** 30% to 70%
-  **Operation:** units are designed for continuous operation
-  **Accuracy of temperature controller:** +/-1°C
-  **Safety:** Electronic and mechanical sensors prevent overheating
-  **Alarms:** Optical and acoustic
-  **Fully approved to medical device standards:** Class I/ 93/42/EEC, EEC MDD
-  **Power supply:** 230 Vac (±6%), 50Hz - EmTherm 1D and 2D current rating 1.75A, 3DS - 4.3A, 3DW - 5.7A

FEATURES & BENEFITS

EM-MED has developed warming cabinets for fluid pre-warming that are practical, convenient and very effective. Key features and benefits include:

-  **BEST WARMING PERFORMANCE**
 - Uses latest temperature control regulation technology
 - High thermal convective characteristics
 - Adjustable temperature from 25°C to 42°C (to 70°C in 3DS/DW) according to individual needs
-  **ULTIMATE CONVENIENCE**
 - Compact units with capacities of 30L, 60L and 300L
 - Easily operated
 - Quiet operation
 - Standby mode
 - Self-closing drawers and doors
 - Optional data recording and data transfer possibility
-  **SAFETY & EFFICIENCY**
 - Electronic and mechanical safety sensors prevent overheating
 - Fully approved to medical device standards
 - Optical and acoustic alarms if doors and drawers are left open
 - Energy-saving insulation
 - Energy efficient servo controlled heating and ventilation



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