	EmTherm 1D	EmTherm 2D	EmTherm 3DS	EmTherm 3DW
device class	device fully approved to medical standards: Class I, Regulation (EU) 2017/745			
adjustable temp. range	25°C to 70°C			
ambient temp. (operating)	15°C to 25°C			
storage	10°C to 55°C			
relative humidity	30% to 70%			
accuracy of temp. controller	+/- 2°C			
use	device designed for continuous operation			
safety	electronic and mechanical sensors prevent overheating			
alarms	optical and acoustic			
control panel	touch panel			
technology	• convective heating through forced air circulation • energy-saving insulation • use of the latest temperature control regulation technology			
available functionalities	• programmable timer allowing precise setting of daily and weekly schedules • "boost" option allowing an increased warming speed by temporarily raising the set warming temperature • standby mode • optional data recording and transfer possibility			
net capacity	30 l	60 l	300 l	300 l
gross capacity	36 l	90 l	367 l	364 l
weight	21 kg	40 kg	184 kg	206 kg
dimensions (W x D x H)	350 x 620 x 400 mm	350 x 620 x 823 mm	690 x 740 x 1770 mm (with buffers: 740 x 790 x 1770 mm)	690 x 740 x 1770 mm (with buffers: 740 x 790 x 1770 mm)
model	stationary, tabletop device, 4 rubber non-slip feet	mobile system on castors (2 lockable)	mobile system on castors (2 lockable)	mobile system on castors (2 lockable)
housing material	PVC coated insulation board	PVC coated insulation board	stainless steel (internal acid resistant steel)	stainless steel (internal acid resistant steel)
UV-C disinfection system	standard (2 LED strips)	standard (3 LED strips)	optionally available on request (10 LED strips)	optionally available on request (10 LED strips)
heating chambers	1 chamber	2 drawers	1 chamber with 5 height-adjustable shelves	2 chambers with autonomous control panels (upper chamber: 3 height-adjustable shelves / lower chamber: 2 drawers)
interior lighting	n.a.	n.a.	standard	standard
power supply	100-240 VAC, 50/60 Hz rated current 1.75 A (230 V)/ 3.4 A (120 V)	100-240 VAC, 50/60 Hz rated current 1.75 A (230 V)/ 3.4 A (120 V)	100-240 VAC, 50/60 Hz rated current 4.3 A (230 V)/ 8.4 A (120 V)	100-240 VAC, 50/60 Hz rated current 5.7 A (230 V)/ 11 A (120 V)

EmTherm ®

UV-C DISINFECTION

WARMING CABINETS

MEDICAL FLUID AND TEXTILE WARMING

EM-MED Sp. z o.o. Sp. K.

ul. Pocieszka 11A
31-408 Krakow, Poland

+48 12 292 78 60
office@em-med.com

www.em-med.com

EM-MED+

FLUID WARMING FOR ALL CLINICAL SITUATIONS

Many clinical studies have demonstrated the benefits of warming infusion fluids before administering them to the patient. The occurrence of even mild hypothermia in patients increases the risk of infectious complications, extends hospitalization time and increases the amount of medications taken. Failure to maintain normothermia in a patient means not only the deterioration of the patient's condition, but also increased financial costs for the hospital.

Guidelines emphasize the importance of warming IV fluids as part of the prevention of hypothermia.

EmTherm® medical warming cabinets are intended for the warming of:
• infusion fluids
• irrigation fluids
• contrast agents
• peritoneal dialysis fluids
• textiles
• medical accessories

EmTherm® 1D
(30 l load capacity)

A benchtop version designed for convenient use, even in the most crowded departments. The 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.

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
(60 l load capacity)

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 mobile cabinet which features 2 self-closing drawers, a protection against simultaneous opening of both drawers and anti-static lockable castors.
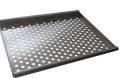
APPROX. LOAD CAPACITY:

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

ACCESSORIES:

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

EmTherm® 1D + 2D
(90 l load capacity)

When additional capacity is required, the EmTherm 1D is designed to fit perfectly on top of the 2D giving a total od 90 liters loading capacity.

EmTherm® 3DS
(300 l load capacity)

A mobile warming cabinet with a 300 l capacity equipped with 5 removable and height adjustable shelves giving a storage flexibility to meet the most discerning requirements while the robust wheels allow movement for floor cleaning.

EmTherm® 3DW
(300 l load capacity)

A double chamber 300 l mobile warming cabinet with 2 seperate chambers. The upper compartment has 3 height adjustable shelves, with a unique air-curtain system that minimizes loss of warm air when the door is opened, and in the lower segment there are two drawers. 2 seperate control panels enable autonomous temperature setting for each of the chambers.

ULTIMATE CONVENIENCE
• devices with a loading capacity of 30 l, 60 l, 300 l
• easily operated
• quiet operation
• self-closing drawers and doors
• programmable timer allowing precise setting of daily and weekly schedules
• optional data recording and transfer possibility

BEST WARMING PERFORMANCE
• uses latest temperature control regulation technology
• excellent convection heating properties
• adjustable temperature from 25°C to 70°C according to individual needs
• "boost" option allows an increased warming speed by temporarily raising the set warming temperature

UV-C DISINFECTION SYSTEM
The warming cabinets are equipped with lamps emitting UV-C radiation, which disinfect pathogens (fungi, bacteria and viruses, including coronaviruses) present on the surface of the charge heated in cabinets.

SAFETY
• electronic and mechanical safety sensors prevent overheating
• fully approved to medical device standards
• optical and acoustic alarms if doors and drawers are left open