

# MX45

**Art. Nr. 50045 – Mobile climate box  
with auto-regulative cooling/heating system**



## Reliable in tough terrain

**The sturdy climate box for medical use in the military,  
disaster control, technical aid associations**

As special model for military, disaster control and technical aid associations, the MX45 has special operating safety due to an automatic overload and reverse battery protection. As the climate box can be used with various voltages, you have different connection options in different transport means, but of course also use it in the ward of a field hospital.

The temperature setting is variable from  $-33^{\circ}\text{C}$  to  $+35^{\circ}\text{C}$ .

The unit has an electronic temperature control, an alarm system and a data logger, which records the temperature for you.

## X Your advantage:

- Visual and acoustic monitoring of set temperature ( $-33^{\circ}\text{C}$  to  $+35^{\circ}\text{C}$ )
- Suitable for transport in various transport means such as tanks, helicopters or airplanes
- Can also be used for in-ward storage of blood and drugs in the field hospital
- Sturdy, protected, variable, as it can be used with different voltages (110-280 V/12-36 V)

## Technical Data



**Model** MX45  
**Article number** 50045  
**Active Box – auto-regulative climate box**

### Dimensions – Weights – Volume

External dimensions: LxWxH: 680 x 465 x 515 mm  
Internal dimensions: LxWxH: 365 x 314 x 374 mm  
Weight empty: 32 kg to 40 kg (depending on equipment)  
Volume: approx. 43 Litres  
Material outside: structured aluminium alloy  
Material inside: stainless steel Nirosta

### Performance spectrum

Adjustable range:  $-33^{\circ}\text{C}$  to  $+35^{\circ}\text{C}$   
Temperature stability:  $\Delta T$  70° Kelvin  
Accuracy: Display in 0.1° C, deviation max. 1.5° C  
Compressor: Danfoss BD 80 special  
Heating: Fan forced heating  
Power consumption: maximum starting peak 110 Watt  
Power consumption: min. 4 Watt, dependent on external temperature  
Current consumption: 63 Watt nominal at 230 V AC 50 Hz  
Refrigerating capacity: 47 Watt at  $-32^{\circ}\text{C}$  controlled loading room temperature  
Refrigerating medium: R 404a  
Control/data recording: integrated microprocessor control, 2 years standby  
Power supply: 110 to 280 V alternating current, 12/24 V direct current; automat. switch-over; optional 36 V, optional internal storage battery  
Safety: integrated reverse battery protection and overload protection  
Insulation: 40 mm vacuum insulation  
Closure: Butterfly bolt (suitable for lead seal)  
Autonomy: without Battery: 80% filling = 24 hours, without battery with PCM: 70% filling = 36 hours.

### Options/Accessories

Integrated printer: optional  
Additional electronics: for 36 V operation  
Insert basket: optional  
Integrated battery: for autonomous operation  
Visual alarm: via LED  
Acoustic alarm: yes with deviation  $> 2^{\circ}\text{C}$

**Certificates** CE/emv

**Guarantee** 2 years on all components except batteries

ThermoSecure®  
medical equipment GmbH

Richmodstraße 6 · Neumarktpassage · D-50667 Köln  
Tel.: +49 (0)221 920 42 544 · Fax: +49 (0)221 920 42 200  
E-Mail: info@thermosecure.de · www.thermosecure.de

