

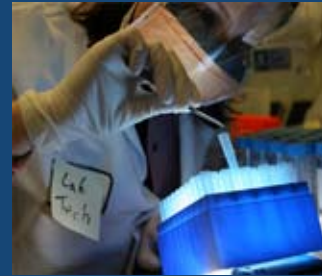
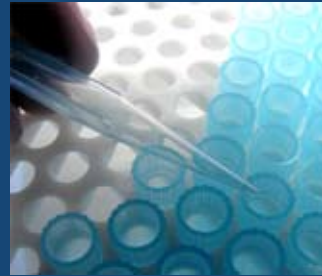


**ENGEL**



 **Veba  
MediTemp**  
temperature regulated devices

Medical and laboratory boxes for professional application  
bases on Engel quality



# VeBaBox

# Veba MediTemp - Engel

The Engel Transport Cooling Boxes are world wide know as most reliable and strong cooling boxes in the market. Special for the Medical and Laboratory market you will find in this catalogue a serial boxes which meets the specifications that are needed to transport medicines, blood, vaccines and laboratory samples.

The special requirements, such as temperature display, temperature alarms, temperature logging, printing and registration are most common requirements for this high class transportation. The new serial medical boxes can meet these requirements and much more. For example an automatic warming function which keeps the boxes also in winter exactly on the required temperature and an extra battery pack for an automatic operation of the box when the motor of the car is not running. All are features to ensure a 100% safe and reliable transport of temperature sensitive materials.

A co-operation of Engel and Veba MediTemp resulted in a serial high class transport boxes which are market under the brand name VebaBox.



# Medical and laboratoria boxes

## VebaBox MRFD - 015

External dimensions: W x H x D 422 x 372 x 284 mm  
Internal dimensions: W x H x D 350 x 180 x 190 mm  
Voltage: 12 volt  
Capacity: 13 litres  
Material: ABS  
Colour: light grey body, dark grey cover  
Weight: 11 kg  
Temperature range: +8°C to >18°C,  
Power consumption (12 volt): 44 watt



## VebaBox MT - 17 - F

External dimensions: W x H x D 536 (without handle) x 358 x 306 mm  
Internal dimensions: W x H x D 290 x 230 x 200 mm  
Voltage: 12/24/230 volt  
Capacity: 15 litres  
Material: ABS  
Colour: light grey body, dark grey cover  
Weight: 16 kg  
Temperature range: +8°C to >18°C,  
Power consumption (12 volt): 36 watt  
Ø Operating period:  
at 20°C a.t. = 15%,  
at 30°C a.t. = 20%





## VebaBox MT - 27 -F

External dimensions: W x H x D 538 (without handle) x 450 x 306 mm  
Internal dimensions: W x H x D 290 x 320 x 200 mm  
Voltage: 12/24/230 volt  
Capacity: 21 litres  
Material: ABS  
Colour: light grey body, dark grey cover  
Weight: 17 kg  
Temperature range: +8°C to >18°C,  
Power consumption (12 volt): 36 watt  
Ø Operating period: at 20°C a.t. = 20%, at 30°C a.t. = 30%



## VebaBox MT - 45 -F

External dimensions: W x H x D 647 (without handle) x 508 x 364 mm  
Internal dimensions: W x H x D 380 x 370 x 270 mm  
Voltage: 12/24/230 volt  
Capacity: 40 litres  
Material: stove-enamelled sheet steel  
Colour: light grey body, dark grey cover  
Weight: 24 kg  
Temperature range: +8°C to >18°C,  
Power consumption (12 volt): 36 watt  
Ø Operating period: at 20°C a.t. = 25%, at 30°C a.t. = 40%



## VebaBox MT - 80 -F

External dimensions: W x H x D 790 (without handle) x 561 x 490 mm  
Internal dimensions: W x H x D 510 x 430 x 490 mm  
Voltage: 12/24/230 volt  
Capacity: 80 litres  
Material: stove-enamelled sheet steel  
Colour: silver metallic  
Weight: 39 kg  
Temperature range: +8°C to >18°C,  
Power consumption (12 volt): 52 watt



## VebaBox MT - 35 -F

External dimensions: W x H x D 647 (without handle) x 408 x 364 mm  
Internal dimensions: W x H x D 380 x 270 x 270 mm  
Voltage: 12/24/230 volt  
Capacity: 32 litres  
Material: stove-enamelled sheet steel  
Colour: light grey body, dark grey cover  
Weight: 21 kg  
Temperature range: +8°C to >18°C,  
Power consumption (12 volt): 36 watt  
Ø Operating period: at 20°C a.t. = 20%, at 30°C a.t. = 30%



## VebaBox MT - 60 -F

External dimensions: W x H x D 790 (without handle) x 441 x 490 mm  
Internal dimensions: W x H x D 510 x 310 x 390 mm  
Voltage: 12/24/230 volt  
Capacity: 60 litres  
Material: stove-enamelled sheet steel  
Colour: light grey body, dark grey cover  
Weight: 32 kg  
Temperature range: +8°C to >18°C,  
Power consumption (12 volt): 52 watt



# Heavy duty, large capacity

## VebaBox 45

### Cooling version:

External dimensions: W x H x D 400 x 400 x 730 mm

Internal dimensions: W x H x D 300 x 300 x 430 mm

Capacity: 42 litres

Temperature range: +8°C to >0°C

### Freezing version:

External dimensions: W x H x D 400 x 400 x 790 mm

Internal dimensions: W x H x D 300 x 300 x 380 mm

Capacity: 37 litres

Temperature range: +8°C to >-18°C

Voltage: 12/230 volt

Material: fiber glass with pu insulation

Weight: 23 kg

Power consumption (12 volt):

60 watt max





## VebaBox 67

### Cooling version:

External dimensions: W x H x D 450 x 450 x 780 mm

Internal dimensions: W x H x D 350 x 350 x 480 mm

Capacity: 64 litres

Temperature range: +8°C to >0°C

### Freezing version:

External dimensions: W x H x D 450 x 450 x 840 mm

Internal dimensions: W x H x D 350 x 350 x 430 mm

Capacity: 59 litres

Temperature range:

+8°C to >-18°C

Voltage: 12/230 volt

Weight: 25 kg

Power consumption (12 V):

60 watt max

Material:

fiber glass with pu insulation



## VebaBox 98

### Cooling version:

External dimensions: W x H x D 450 x 450 x 1030 mm

Internal dimensions: W x H x D 350 x 350 x 730 mm

Capacity: 95 litres

Temperature range: +8°C to >0°C

### Freezing version:

External dimensions: W x H x D 450 x 450 x 1090 mm

Internal dimensions: W x H x D 350 x 350 x 670 mm

Capacity: 90 litres

Temperature range:

+8°C to >-18°C

Voltage: 12/230 volt

Weight: 27 kg

Power consumption (12 V):

60 watt max

Material:

fiber glass with pu insulation



## VebaBox 144

### Cooling version:

External dimensions: W x H x D 500 x 550 x 930 mm

Internal dimensions: W x H x D 400 x 450 x 830 mm

Capacity: 141 litres

Temperature range: +8°C to >0°C

### Freezing version:

External dimensions: W x H x D 500 x 550 x 990 mm

Internal dimensions: W x H x D 400 x 450 x 780 mm

Capacity: 136 litres

Temperature range:

+8°C to >-18°C

Voltage: 12/230 volt

Weight: 30 kg

Power consumption (12 V):

60 watt max

Material:

fiber glass with pu insulation



## VebaBox 240

### Cooling version:

External dimensions: W x H x D 550 x 550 x 1430 mm

Internal dimensions: W x H x D 450 x 450 x 1130 mm

Capacity: 237 litres

Temperature range: +8°C to >0°C

### Freezing version:

External dimensions: W x H x D 550 x 550 x 1490 mm

Internal dimensions: W x H x D 450 x 450 x 1080 mm

Capacity: 232 litres

Temperature range:

+8°C to >-18°C

Voltage: 12/230 volt

Weight: 39 kg

Power consumption (12 V):

60 watt max

Material:

fiber glass with pu insulation



# Options

## Standard on each box

Build in digital Display and accurate Regulator. This module regulated the box within a temperature range of +/- 1°C. Further the regulator is equipped with pre-programmed over and under temperature alarms which will be activated when the actual temperature have a difference of more than 3 °C.



## Wireless temperature registration

A special controller (display, temperature regulator and setting module) logs the temperature always when the box is running. The memory in this module stores the temperature. The memory can be read out wireless via a special device: the data pocket. (a kind of small remote control). The communication is via Infra Red.

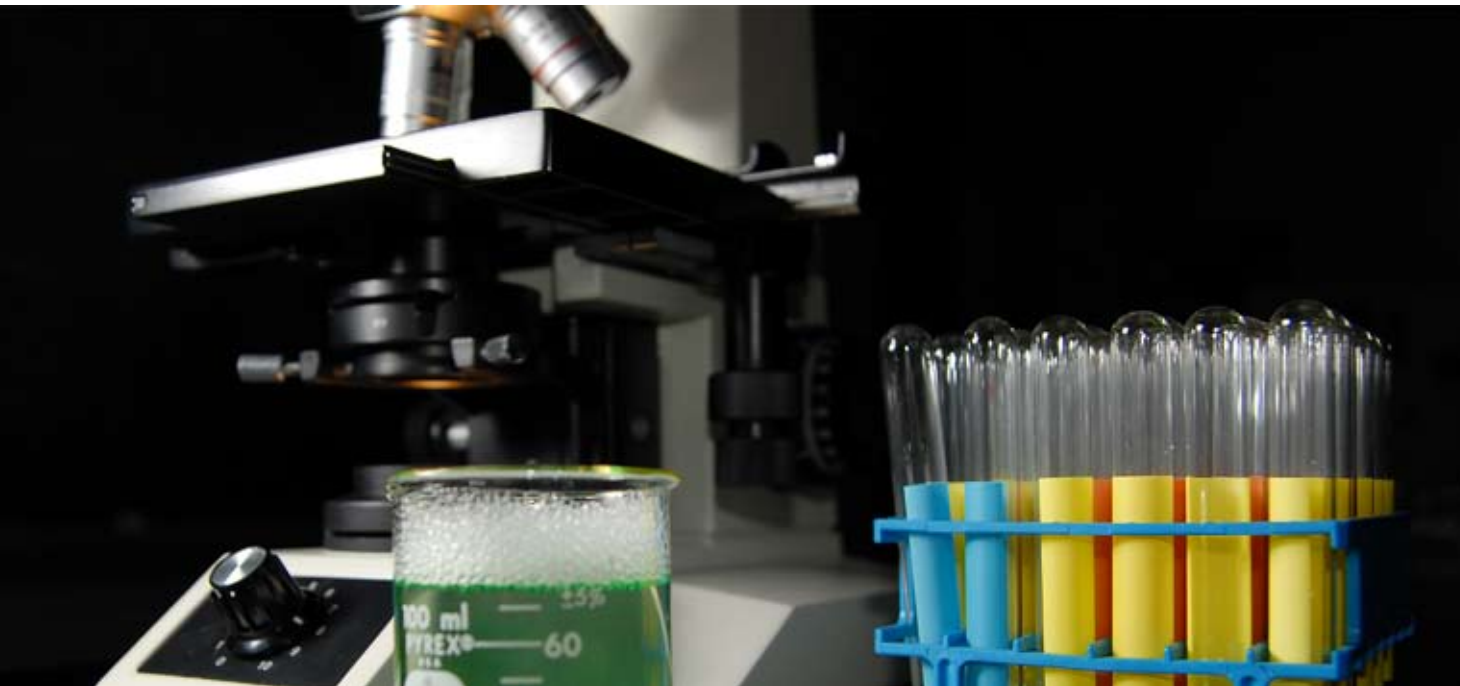
The system consist of two parts:  
1 the special logger/controller in the box, and 2 a basis set to read out the controllers (which consist of 1x CD software, 1x data pocket, 1x IR eye to connect with the PC. The best user friendly system for mobile applications.

Note: in each box you need a controller. The basis set you need only once. You can read out an unlimited quantity of controllers. (With English users manual).



## Separate logger

This is the most simple, but accurate temperature logging system. You simple pre-program the logger and put it in the box. After a certain time you simple can connect the logger with your PC and read out the memory. The logger runs on a small battery which is included. The system consist of: 1x logger, 1x cable (for connection logger with PC) and 1x software.





## Battery power pack

This Battery Power Pack can be used to give the box power when the car engine is not running. This is to avoid an empty start (engine) battery. The Battery Power Pack can be easily plugged between the cooling box and the connection in the car.

Please note that because of the high charging currents you need to make a special 12V connection direct from your engine battery to the Battery Power Pack. (so, it is not possible to supply it via the cigarette lighter)

The Battery Power Pack is charging automatic when the engine is running. The average autonomous power is for about 2-4 hours.



## Printer

When you choose for this option a built in or separate printer will be delivered with the box (depend on model). Via a special button you can choose for the following print outs: 1 every certain minutes (e.g. every 10 minutes) the value of the temperature is print on the paper (so on the end of the day you have a long paper with values. Or 2 graphic print out.

Note: The printer option is only possible in combination with the option: temperature logging with wireless transfer to PC – module). This means, the printer is connected to that module and will be used via the buttons on that module.



## Warming option

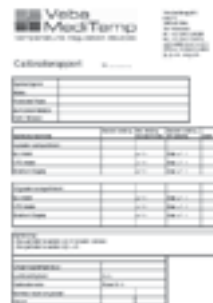
When the box is equipped with the warming option the a warming system is built in which is connected to the controller. Then the box also in winter will be on the right temperature. This means when the ambient e.g. is -10°C and the set temperature of the box is e.g. is +4°C, the box automatic will warm to this set temperature.

At this way you get a full temperature controlled box. At the other hand now it is possible to pre-program the box on special request in the factory at that way that it can be adjust between e.g. +40°C and -18°C.

## Calibration Certificate

It is possible to deliver by each box an official calibration certificate. This is needed for example when your laboratory have a quality system such as ISO9000 or ISO 17025.

Re-calibration is possible on special request.



# Accessories

## Transitlocks

Art.-Nr. 513-120

For safe fastening and reliable security inside your vehicle

Available for:  
VebaBox MT-17 / MT-27: TSL27  
VebaBox MT-35 / MT-45: TSL530/540



## Transitbags

Art.-Nr. 513-120

Additional insulation and even more projection for your refrigerating unit

Available for:  
VebaBox MT - 17  
VebaBox MT - 27  
VebaBox MT - 35  
VebaBox MT - 45  
VebaBox MT - 60  
VebaBox MT - 80



## AC Adapter

230 volt etc....

For connecting a 12 volt device to the 230 volt power grid

Dimensions: W x H x D 139 x 60 x 90 cm  
Input voltage: 230 volt C  
Output voltage: 230 volt DC  
Steady load capacity: 6 A



## Inclose



Cable DC (black)



Cable AC (grey)



Spare fuse



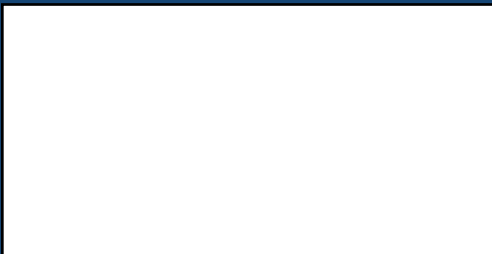
Insert basket





# VebaBox

Dealer:



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