



medical  
systems

SAVING LIVES  
THROUGH RELIABLE  
AND INNOVATIVE  
TECHNOLOGY

Vaccine Cold Chain





# Vaccine Cold Chain

*Comprehensive range of storage and passive transport systems for the storage and distribution of vaccines and in general of all temperature-sensitive preparations under various climatic and technical conditions.*



## Saving lives through reliable and innovative technology

### UNDERSTANDING THE NEEDS OF MEDICAL PROFESSIONALS REQUIRES A CONSTANT DIALOGUE.

The medical challenges our partners and clients face on the ground can be overwhelming. By continuously engaging with them and gathering insights through dialogue and exchange, we are able to understand their evolving needs. As a key global player in the sector of medical technology, B Medical Systems is committed to delivering highly specialized and cutting-edge devices that always exceed expectations.

### DESIGNING RELIABLE MEDICAL DEVICES IS AT THE HEART OF OUR INNOVATION PROCESS.

We feel deeply connected to the international community of healthcare professionals and use optimized industrial processes to offer reliable products and services that help develop a relationship of trust. By managing the design, manufacturing, distribution and after-sales elements, we adopt a lifecycle approach and can ensure the Total Cost of Ownership of our products is as low as possible.

### PUTTING PEOPLE FIRST STARTS WITHIN OUR ORGANIZATION.

We take a customer-oriented approach in everything we do, and are guided by our values and high standards. Our team of highly skilled professionals share our desire to excel and stay ahead of the game in the field of technological innovation. As an organization, our core aim is to save lives through reliable and innovative technology.

### RELIABLE SOLUTIONS FOR SAFE VACCINATION AROUND THE WORLD.

B Medical Systems is a leading manufacturer of vaccine cold chain equipment for large-scale programmes in emerging markets. We work closely with public health agencies, national governments and multilateral organizations to support the success of their vaccination campaigns.

## SUMMARY

- 02-03** Vaccine Cold Chain
- 04-17** [Solar Direct Drive Refrigerators & Freezers](#)  
For rapid deployment and reliable response to store vaccines or medicines under severe conditions anywhere in the world!
- 18-23** [Ice-Lined Refrigerators & Freezers](#)  
For use in demanding conditions such as hot and humid environments
- 24-27** [Vaccine Transport Boxes](#)  
For the safe transport of vaccines or medicines from different storage centres to vaccination sites
- 28-30** [Ultra-Low Freezers](#)  
For the safe storage of blood components and blood plasma, human cells, tissues, live virus vaccines, and other laboratory samples at ultra low temperatures down to -86°C

# A complete line for an efficient cold chain

## Vaccine Cold Chain

### Solar Direct Drive Refrigerators & Freezers

SDD RANGE



Ultra 16 SDD



TCW 15 SDD / TCW 15R SDD



TCW 40 SDD / TCW 40R SDD



TFW 40 SDD



TCW 80 SDD



TCW 120 SDD



TCW 2000 SDD / TCW 2043 SDD



TCW 3000 SDD / TCW 3043 SDD



TCW 4000 SDD

Net vaccine storage capacity (l)	16	16	16	36	36	-	80.5	120	99	70	156	89	220
Ice-pack storage capacity	-	4 x 0.6 L	-	3.6 kg	-	11.24 kg	-	22 x 0.6 L	14.4 kg	10.5 kg	-	-	-

### Ice-Lined Refrigerators & Freezers

AC RANGE



TCW 40R AC



TCW 80 AC



TCW 120 AC



TFW 3000 AC



TCW 4000 AC

Net vaccine storage capacity (l)	36	81	120	-	240
Ice-pack storage capacity	-	-	22 x 0.6 L	162 x 0.6 L	-

### Vaccine Transport Boxes

PASSIVE RANGE



RCW1



RCW2



RCW4



RCW8



RCW12

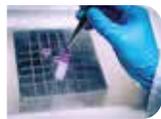


RCW25

Gross volume (l)	6.5	1.9	8	20	24	44
Vaccine storage capacity (l)	1.04	0.92	3	6	7	20

### Ultra-Low Freezers

U RANGE



U201



U401 & U401 V\*2



U501 & U501 V\*2



U701 & U701 V\*2



U901

Gross / Net volume (l)	232 / 217	478 / 454	634 / 602	791 / 751	949 / 900
Vials storage capacity (at 2ml)	17000	34500	46000	57500	69000
Cryoboxes storage capacity*1	170 (model H50)	345 (model H50)	460 (model H50)	575 (model H50)	690 (model H50)

\*1 For directional purpose only. \*2 V stands for Variable Speed cooling technology. Subject to change without prior notice. Some of the accessories shown in the pictures are optional.

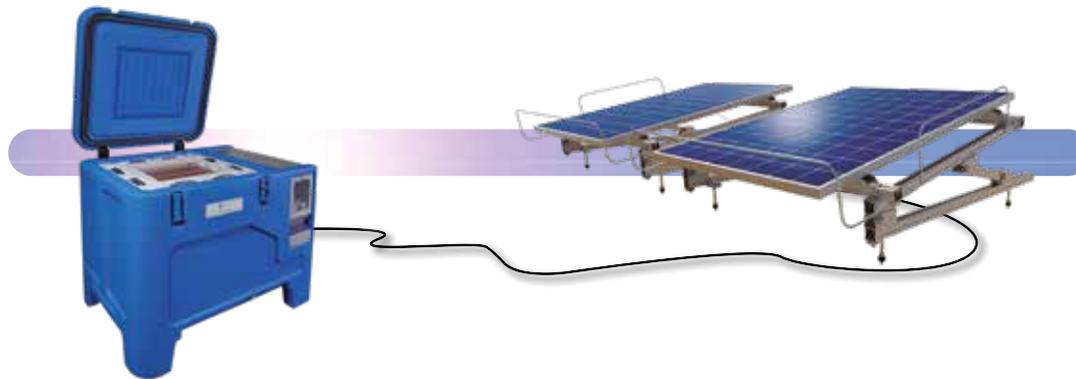
# Solar Direct Drive Refrigerators & Freezers

## B Medical Systems | SDD Range

13 models • Vaccine storage capacity 16 > 220 L

**For rapid deployment and reliable response to store vaccines or medicines under severe conditions anywhere in the world!**

The Solar Direct Drive solution consists of several vaccine refrigerators and ice-pack freezers working straight from solar panels without batteries and regulators. This solution provides a reliable cold chain for vitally important vaccines even in the most remote areas. The Solar Direct Drive solution uses the only energy source that never runs dry: our sun!



**B Medical Systems Solar Direct Drive (SDD) Vaccine Cold Chain refrigerators** provide **enhanced performance** and **high reliability**, leading to a **sustainably lower Vaccine Wastage**.



**B** 40+ YEARS EXPERIENCE

**200** PARTNERS WORLDWIDE DISTRIBUTION

ANTI-CORROSION LIFE WARRANTY

REAL-TIME MONITORING

**10** YEARS WARRANTY\* FOR ALL PARTS AND LABOUR

## RTMD | Remote Temperature Monitoring Device (integrated\*)



- Real time monitoring of temperature(s), lid openings & GPS position
- Includes a SIM chip with prepaid communication for the duration of the warranty period contractually agreed
- Crucial for the quality surveillance of the cold chain and monitoring of vaccines
- Rechargeable battery
- Worldwide remote monitoring & data access over WEB
- 2G/3G/4G network coverage is necessary to operate
- Google Maps positioning using integrated GPS module
- Alarms include temperature deviations and lid openings
- Alarms are sent by text messages or emails
- Works on both SDD and AC installations

## Variations Solar Generator (optional)



### G1 Solar panels (roof installation)

2 solar panels (200W) on fixed roof installation. This solution is easy to install and ideal for high sunshine levels. G1 is equipped with an anti-theft. Installation to be made by B Medical Systems certified agents.



### BASIC TOOL KIT (optional)

Contains different basic tools as wrenches, screwdrivers, pencil, tape measure and protractor



### G2 Adjustable solar panels (roof or ground installation)

2 adjustable solar panels (200W) for roof or ground installation. This solution optimizes the energy collection and enables the positioning anywhere. G2 is equipped with an anti-theft. Installation to be made by B Medical Systems certified agents.



### PREMIUM TOOL KIT (optional)

Includes « Basic Tool Kit » and drilling equipment to fix solar generator on the roof, wall or pole

## WHAT ARE THE MOST IMPORTANT CHARACTERISTICS FOR PRODUCTS?

The development of a successful and SAFE product has to fulfill a number of defined parameters, the most important of those are:

- **Hold over time:** Time in hours during which all points in the vaccine compartment remain between +2°C and +8°C, at the maximum ambient temperature of the temperature zone for which the appliance is rated, after the power supply has been disconnected
- **Cold life:** Cold life is measured from the moment when the container lid is closed until the temperature of the warmest point in the vaccine storage compartment first reaches +10°C (after initially cooling to below +10°C during cooldown), at a constant ambient test temperature +43°C
- **Autonomy:** Time in days that a solar refrigerator, or combined refrigerator and ice-pack freezer, can maintain the vaccine load within the acceptable temperature range under low solar radiation conditions (e.g. rain)

→ Also available as pole or wall mounted.

\* Conditions apply.

SAVING LIVES THROUGH RELIABLE AND INNOVATIVE TECHNOLOGY

# Vaccine Refrigerator

## B Medical Systems | SDD Range



The Ultra 16 SDD is a 16 L vaccine refrigerator for extensive bad weather periods.



### Highest insulation value

- Rotomoulded body construction: rust free and extremely robust
  - Vacuum Insulated Panels and Polyurethane foam
- A newly design lid closing recess that avoids the loss of cold air
- Double silicon gaskets (replaceable) and lockable clasps ensure tight sealing
- Designed for tropical temperatures: +5°C to +43°C



### Vaccine Refrigerator with extensive autonomy

- Vaccine storage capacity: 16 L
- Autonomy: 477 h 56 at +43°C
- Delivered with 2 storage wire baskets: facilitates the handling and storage management of the vaccines



### Integrated electronics

- Electronics controller with integrated LED digital temperature monitoring and 2 USB-Chargers for mobile, tablet and others devices
- Simple and user-friendly "1 button" operation
- Temperature monitoring maintained in case of system failure
- Green technology: very low power consumption and environmentally friendly refrigerant (R600a)



### Plug & Play installation

- Quick connector allows for "plug and play" installation, only one way works!
- Working straight from solar panels with no batteries and no regulator (length of cable: 25 meters each generator)
- Requests only one solar generator (2 x 200W / 25V panels)



### User-friendly device

Device equipped with lockable compartment and 2 storage places for mobile and others devices.



# Vaccine Refrigerator & Ice-pack Freezer

B Medical Systems | SDD Range



The TCW 15 SDD is a combination of a solar direct drive vaccine & medicine refrigerator and ice-pack freezer.



## Highest insulation value

- Rotomoulded body construction: rust free and extremely robust
- 100mm PU foam insulation guarantees highest possible hold over time
- Triple silicon gaskets (replaceable) and lockable clasps ensure tight sealing
- Designed for tropical temperatures: +5°C to +43°C



## Vaccine Refrigerator with ice-packs holders

- Vaccine storage capacity: 16 L
  - Autonomy: 84 h at +43°C
- Equipped with 4 ice-packs holders for quick storage of 4 ice-packs at 0.6 L
- Delivered with 2 storage wire baskets: facilitates the handling and storage management of the vaccines
- Automatic drain water evaporation



## Integrated electronics

- Electronics controller, at easy access level, in the top of the lid, with integrated LED digital temperature monitoring
- Simple and user-friendly "1 button" operation
- Temperature monitoring maintained in case of system failure
- Green technology: very low power consumption and environmentally friendly refrigerant (R600a)



## Plug & Play installation

- Quick connector allows for "plug and play" installation, only one way works!
- Working straight from solar panels with no batteries and no regulator (length of cable: 25 meters each generator)
- Requests only one solar generator (2 x 200W / 25V panels)



This device is also available as



## TCW 15R SDD | Vaccine Refrigerator

- Vaccine storage capacity: 16 L
- Autonomy: 81 h 52 at +43°C
- Hold over time: 87 h 48 at +43°C



" 50-75% of the problems to reach the "5th child" could be solved through cold chain improvements. "

SAVING LIVES THROUGH RELIABLE AND INNOVATIVE TECHNOLOGY

# Vaccine Refrigerator & Ice-pack Freezer

## B Medical Systems | SDD Range



The TCW 40 SDD is a combination of a solar direct drive vaccine & medicine refrigerator and ice-pack freezer.



### Highest insulation value

- Rotomoulded body construction: rust free and extremely robust
- 100mm PU foam insulation guarantees highest possible hold over time
- Triple silicon gaskets (replaceable) and lockable clasps ensure tight sealing
- Designed for tropical temperatures: +5°C to +43°C



### Vaccine Refrigerator with ice-packs holders

- Vaccine storage capacity: 36 L
- Autonomy: 81 h 54 at +43°C
- Hold over time: 93 h 24 at +43°C
- Equipped with 8 ice-packs holders for quick storage of 8 ice-packs at 0.6 L
- Delivered with 1 storage wire basket: facilitates the handling and storage management of the vaccines



### Integrated electronics

- Electronics controller with integrated LED digital temperature monitoring
- Simple and user-friendly "1 button" operation
- Temperature monitoring maintained in case of system failure
- Green technology: very low power consumption and environmentally friendly refrigerant (R600a)

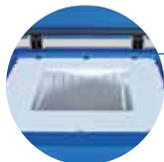


### Plug & Play installation

- Quick connector allows for "plug and play" installation, only one way works!
- Working straight from solar panels with no batteries and no regulator (length of cable: 25 meters each generator)
- Requests only one solar generator (2 x 200W / 25V panels)



This device is also available as



### TCW 40R SDD | Vaccine Refrigerator

- Vaccine storage capacity: 36 L
- Autonomy: 81 h 54 at +43°C
- Hold over time: 93 h 24 at +43°C



### TFW 40 SDD | Ice-pack Freezer



- Ice-pack storage capacity: 11.24 kg (20 waterpacks)
- Ice-pack freezing capacity: 2.16 kg / 24 h at +43°C
- Autonomy: 120 h at +43°C

# Vaccine Refrigerator

## B Medical Systems | SDD Range



The TCW 80 SDD is a solar direct drive vaccine & medicine refrigerator.

### Highest insulation value

- Rotomoulded body construction: rust free and extremely robust
- 100mm PU foam insulation guarantees highest possible hold over time
- Double silicon gaskets (replaceable) and lockable clasps ensure tight sealing
- Designed for tropical temperatures: +5°C to +43°C

### Vaccine Refrigerator

- Vaccine storage capacity: 80.5 L
  - Autonomy: 72 h 21 at +43°C
- Delivered with 4 storage wire baskets: facilitates the handling and storage management of the vaccines



### Integrated electronics

- Electronics controller with integrated LED digital temperature monitoring
- Simple and user-friendly “1 button” operation
- Temperature monitoring maintained in case of system failure
- Green technology: very low power consumption and environmentally friendly refrigerant (R600a)

### Plug & Play installation

- Quick connector allows for “plug and play” installation, only one way works!
- Working straight from solar panels with no batteries and no regulator (length of cable: 25 meters each generator)
- Requests only one solar generator (2 x 200W / 25V panels)



“ Ghana 2013: About 41% of fridges and freezers were over 10 years, 25% not functioning. There is also **frequent breakdown of CCE due to poor maintenance culture and erratic power supply.** ”

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# Vaccine Refrigerator & Ice-pack Freezer

## B Medical Systems | SDD Range



The TCW 120 SDD is a combination of a solar direct drive vaccine & medicine refrigerator and ice-pack freezer.



### Highest insulation value

- Rotomoulded body construction: rust free and extremely robust
- 100mm PU foam insulation guarantees highest possible hold over time
- Double silicon gaskets (replaceable) and lockable clasps ensure tight sealing
- Designed for tropical temperatures: +5°C to +43°C



### Vaccine Refrigerator and Ice-pack Freezer

- Vaccine storage capacity: 120 L
- Ice-pack storage capacity: 22 x 0.6 L
  - Ice-pack freezing capacity: >1.6 kg / 24 h at +43°C
  - Autonomy: 82 h 05 at +43°C
  - Hold over time: 82 h 05 at +43°C
- Delivered with 22 ice-packs at 0.6 L and 4 storage wire baskets: facilitates the handling and storage management of the vaccines



### Integrated electronics

- Electronics controller with integrated LED digital temperature monitoring
- Simple and user-friendly "1 button" operation
- Temperature monitoring maintained in case of system failure
- Green technology: very low power consumption and environmentally friendly refrigerant (R600a)
- Works at a preset setpoint of +5°C (Refrigerator) and -20°C (Freezer) (cannot be changed by the user)



### Plug & Play installation

- Quick connector allows for "plug and play" installation, only one way works!
- Working straight from solar panels with no batteries and no regulator (length of cable: 25 meters each generator)
- Requests two solar generators (4 x 200W / 25V panels)



# Vaccine Refrigerator & Ice-pack Freezer

B Medical Systems | SDD Range



The TCW 2000 SDD is double compartment solar direct drive vaccine & medicine refrigerator and ice-pack freezer with two cooling systems.



## Highest insulation value

- Rotomoulded body construction: rust free and extremely robust
- 100mm PU foam insulation guarantees highest possible hold over time
- Double silicon gaskets (replaceable) and lockable clasps ensure tight sealing



## Vaccine Refrigerator and Ice-pack Freezer

- Vaccine storage capacity: 99 L
- Ice-pack storage capacity: 14.4 kg
  - Ice-pack freezing capacity: 2.4 kg / 24 h at +32°C
- Autonomy: 85 h 24 at +32°C
- Hold over time: 100 h at +32°C
- Delivered with 16 ice-packs at 0.6 L and 4 storage wire baskets: facilitates the handling and storage management of the vaccines



## Integrated electronics

- 2 electronics controllers with integrated digital temperature monitoring
- Temperature monitoring maintained in case of system failure
- Green technology: very low power consumption and environmentally friendly refrigerant (R600a)



## Plug & Play installation

- Quick connector allows for “plug and play” installation, only one way works!
- Working straight from solar panels with no batteries and no regulator (length of cable: 25 meters each generator)
- Requests two solar generators (4 x 200W / 25V panels)



This device is also available for tropical temperatures: +5°C to +43°C

## TCW 2043 SDD | Vaccine Refrigerator & Ice-pack Freezer

- Vaccine storage capacity: 70 L
- Ice-pack storage capacity: 10.5 kg
- Ice-pack freezing capacity: 2.5 kg / 24 h at +43°C
- Autonomy: 73 h 54 at +43°C
- Hold over time: 79 h at +43°C
- Delivered with 2 wire baskets

SAVING LIVES THROUGH RELIABLE AND INNOVATIVE TECHNOLOGY

# Vaccine Refrigerator

## B Medical Systems | SDD Range



The TCW 3000 SDD is large capacity solar direct drive vaccine & medicine refrigerator.



### Highest insulation value

- Rotomoulded body construction: rust free and extremely robust
- 100mm PU foam insulation guarantees highest possible hold over time
- Double silicon gaskets (replaceable) and lockable clasps ensure tight sealing



### Vaccine Refrigerator

- Vaccine storage capacity: 156 L
  - Autonomy: 86 h 56 at +32°C
  - Hold over time: 94 h 05 at +32°C
- Delivered with 5 storage wire baskets: facilitates the handling and storage management of the vaccines



### Integrated electronics

- Electronics controller with integrated digital temperature monitoring
- Temperature monitoring maintained in case of system failure
- Green technology: very low power consumption and environmentally friendly refrigerant (R600a)



### Plug & Play installation

- Quick connector allows for "plug and play" installation, only one way works!
- Working straight from solar panels with no batteries and no regulator (length of cable: 25 meters each generator)
- Requests only one solar generator (2 x 200W / 25V panels)



This device is also available for tropical temperatures: +5°C to +43°C

### TCW 3043 SDD | Vaccine Refrigerator

- Vaccine storage capacity: 89 L
- Autonomy: 116 h 41 at +43°C
- Hold over time: 124 h 48 at +43°C
- Delivered with 5 wire baskets: facilitates the handling and storage management of the vaccines

# Vaccine Refrigerator

## B Medical Systems | SDD Range



The TCW 4000 SDD is the largest rotomoulded solar direct drive refrigerator in the world with a net vaccine storage capacity of 220 L.



### ● Highest insulation value

- Rotomoulded body construction: rust free and extremely robust
- 100mm PU foam insulation guarantees highest possible hold over time
- Double silicon gaskets (replaceable) and lockable clasps ensure tight sealing
- Designed for tropical temperatures: +5°C to +43°C



### ● Vaccine Refrigerator

- Vaccine storage capacity: 220 L
  - Autonomy: 91 h 16 at +43°C
- Delivered with 6 storage wire baskets: facilitates the handling and storage management of the vaccines
- Equipped with the new automatic drain water evaporation



### ● Integrated electronics

- Electronics controller with integrated LED digital temperature monitoring
- Simple and user-friendly “1 button” operation
- Temperature monitoring maintained in case of system failure
- Green technology: very low power consumption and environmentally friendly refrigerant (R600a)
- Works at a preset setpoint of +5°C (cannot be changed by the user)



### ● Plug & Play installation

- Quick connector allows for “plug and play” installation, only one way works!
- Working straight from solar panels with no batteries and no regulator (length of cable: 25 meters each generator)
- Requests only one solar generator (2 x 200W / 25V panels)



“ CCEOP is the result of a gradually increasing awareness of the importance of a **reliable cold chain for safeguarding vaccines.** ”

SAVING LIVES THROUGH RELIABLE AND INNOVATIVE TECHNOLOGY

# Energy Harvesting System

## B Medical Systems | SDD Range



The Health Center Kit is the Energy Harvest Control system, which charges automatically a battery with the excess of available energy from our solar generators.



### ● Plug & Play installation

Allows to link in between SDD models and solar generator by quick connectors "plug and play", only one way works!



### ● Integrated electronics

- Electronic controller with automatic energy management enables to power essential devices operating on direct current
- Connection interfaces: 2 USB outputs (5W each) and 1 cigarette lighter socket (20W)
  - Rechargeable 27Ah battery with a life cycle of 5 years



### ● Designed for intensive use

- Independent unit made of rotomoulded polyethylene: extremely robust for an intensive and mobile use
- Wheels for easy moves
- Theft protection

### ● User-friendly device

- Rechargeable LED lights (2 pcs) for mobile use
- Device equipped with lockable compartment and 2 storage places for mobile and others devices
- Mobile ceiling fan



**The Health Center Kit** is a device intended to **detect excess of energy produced by a solar generator**, switching its outputs to drive small devices by DC voltage. **An integrated battery** provides the possibility **to store energy and to load devices also during night time.**





## Technical Data

### Solar Direct Drive



#### Ultra 16 SDD

#### TCW 15 SDD

#### TCW 15R SDD

#### TCW 40 SDD

#### TCW 40R SDD

		Ultra 16 SDD	TCW 15 SDD	TCW 15R SDD	TCW 40 SDD	TCW 40R SDD
<i>Function</i>		Vaccine Refrigerator	Vaccine Refrigerator & Ice-pack Freezer	Vaccine Refrigerator	Vaccine Refrigerator & Ice-pack Freezer	Vaccine Refrigerator
<i>Climate zone</i>		Hot zone (+43°C)				
<i>Vaccine storage capacity (l)</i>			16			36
<i>Ice-pack storage capacity</i>		-	4 x 0.6 L (in ice-packs holders)	-	3.6 kg	-
<i>Ice-pack freezing capacity</i>		-	1.97 kg / 24 h	-	1.89 kg / 24 h	-
<i>Autonomy time (WHO Standard)</i>		477 h 56	84 h	81 h 52	81 h 54	81 h 54
<i>Hold over time (+2°C to +10°C)</i>		-	-	87 h 48	93 h 24	93 h 24
<i>Cool down time</i>		312 h	35 h	36 h	36 h	36 h
<i>Dimensions H x W x D (mm)</i>	<i>External</i>	1120 x 840 x 780		950 x 730 x 730		900 x 1030 x 780
	<i>Shipping</i>	1260 x 940 x 878		1088 x 770 x 778		1060 x 1040 x 800
<i>Shipping weight (kg)</i>		196	95	94	126	129
<i>Number &amp; type of solar panels</i>		2 x 200 W / 25 V				
<i>Energy consumption / 24 h</i>	<i>Stable running</i>	0.34 KWh	0.49 KWh	0.43 KWh	0.57 KWh	0.57 KWh
	<i>Cool down</i>	0.38 KWh	0.50 KWh	0.43 KWh	0.67 KWh	0.67 KWh
	<i>During freezing</i>	-	0.69 KWh	-	0.69 KWh	-
<i>Freeze protection</i>		Grade A				

All values were measured at +32°C or +43°C according to the climate zone of the concerned model (unless otherwise specified). Subject to change without prior notice. Some of the accessories shown in the pictures are optional.

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## Technical Data

### Solar Direct Drive



**TCW 80 SDD**

**TCW 120 SDD**

**TCW 2000 SDD**

**TCW 2043 SDD**

**TFW 40 SDD**

<i>Function</i>		Vaccine Refrigerator	Vaccine Refrigerator & Ice-pack Freezer			Ice-pack Freezer
<i>Climate zone</i>		Hot zone (+43°C)		Temperate zone (+32°C)	Hot zone (+43°C)	
<i>Vaccine storage capacity (l)</i>		80.5	120	99	70	-
<i>Ice-pack storage capacity</i>		-	22 x 0.6 L	14.4 kg	10.5 kg	11.24 kg
<i>Ice-pack freezing capacity</i>		-	> 1.6 kg / 24 h	2.4 kg / 24 h	2.5 kg / 24 h	2.16 kg / 24 h
<i>Autonomy time (WHO Standard)</i>		72 h 21	82 h 05	85 h 24	73 h 54	120 h
<i>Hold over time (+2°C to +10°C)</i>		-	82 h 05	100 h	79 h	-
<i>Cool down time</i>		192 h	168 h	12 h	56 h	313 h
<i>Dimensions</i> <i>H x W x D</i> <i>(mm)</i>	<i>External</i>	890 x 1023 x 778	910 x 1620 x 790		910 x 1270 x 780	900 x 1030 x 780
	<i>Shipping</i>	1060 x 1040 x 800	1040 x 1660 x 805		1030 x 1300 x 800	1060 x 1040 x 800
<i>Shipping weight (kg)</i>		112	187	161	166	119
<i>Number &amp; type of solar panels</i>		2 x 200 W / 25 V		4 x 200 W / 25 V		2 x 200 W / 25 V
<i>Energy consumption / 24 h</i>	<i>Stable running</i>	0.60 kWh	1.15 kWh	0.78 kWh	0.73 kWh	0.59 kWh
	<i>Cool down</i>	0.58 kWh	1.31 kWh	0.74 kWh	0.79 kWh	0.59 kWh
	<i>During freezing</i>	-	1.38 kWh	0.96 kWh	1.05 kWh	0.64 kWh
<i>Freeze protection</i>		Grade A				-



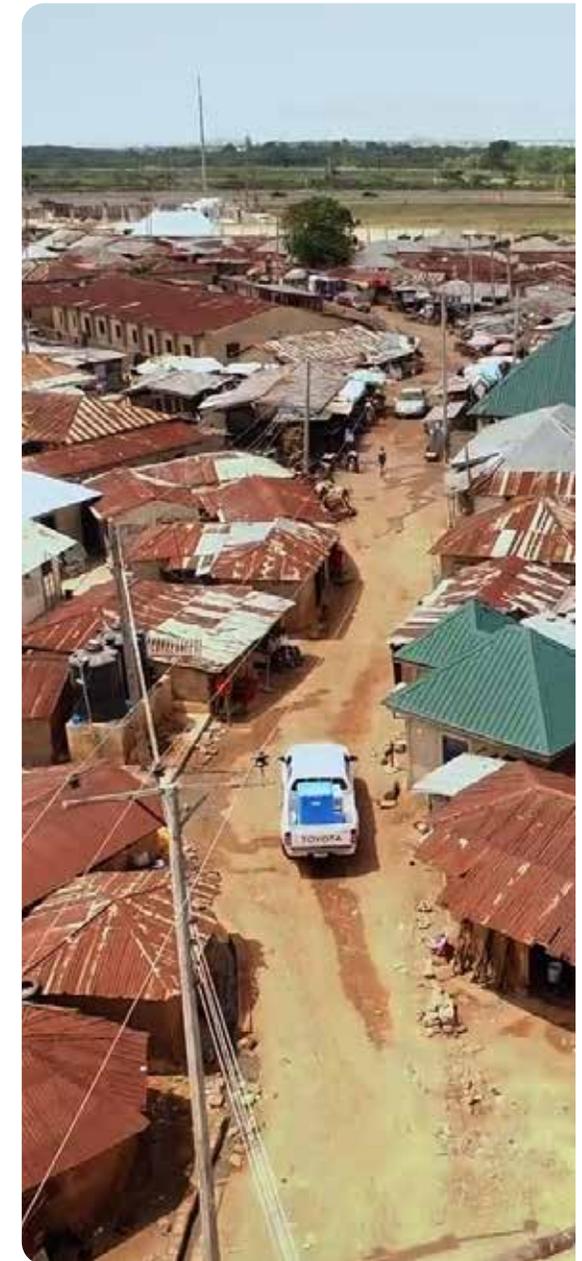
## Technical Data

### Solar Direct Drive



**TCW 3000 SDD    TCW 3043 SDD    TCW 4000 SDD**

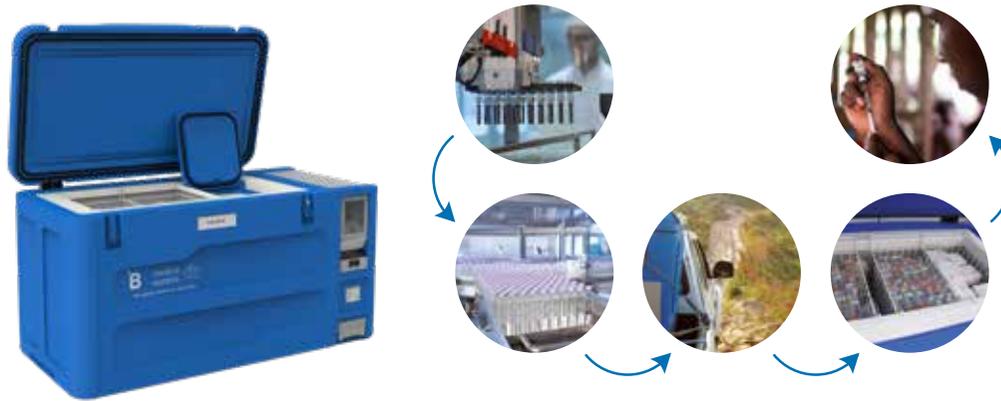
Function		Vaccine Refrigerator		
Climate zone		Temperate zone (+32°C)	Hot zone (+43°C)	
Vaccine storage capacity (l)		156	89	220
Autonomy time (WHO Standard)		86 h 56	116 h 41	91 h 16
Hold over time (+2°C to +10°C)		94 h 05	124 h 48	-
Cool down time		36 h	145 h	312 h
Dimensions H x W x D (mm)	External	910 x 1270 x 780		915 x 1625 x 780
	Shipping	1030 x 1300 x 800		1040 x 1660 x 805
Shipping weight (kg)		140	171	188
Number & type of solar panels		2 x 200 W / 25 V		
Energy consumption / 24 h	Stable running	0.25 KWh	0.68 KWh	0.83 KWh
	Cool down	0.34 KWh	0.68 KWh	0.84 KWh
Freeze protection		Grade A		



# Ice-Lined Refrigerators & Freezers

## B Medical Systems | AC Range

5 models • Vaccine storage capacity 36 > 240 L



**For use in demanding conditions such as hot and humid environments.**

This range consists of several ice-lined refrigerators and freezers for national and regional centres provided with a supply of electric power (minimum 8 h / day).

Made of rotomoulded polyethylene, these models are designed to deal with the demanding conditions found in hot and humid environments and offer the durability and robustness required for intensive use, as well as heavy-duty insulation and physical resilience.

**With Vaccine Cold Chain equipment from B Medical Systems, you benefit from dedicated devices that combine outstanding efficiency and low TCO.**

One results from the other – the access to life-saving vaccination depends on safe storage. This is why organizations all over the world rely on robust equipment from B Medical Systems for efficient vaccination campaigns for decades. These efforts from UNICEF, WHO, Gavi, Governments and others have resulted in saving millions of lives saved around the world.

“ With the introduction of new vaccines, **common equipment failures** – a broken refrigerator, a leaky ice-pack – **can easily damage thousands of dollars of vaccines.** ”

# Vaccine Refrigerator

## B Medical Systems | AC Range



The TCW 80 AC is a vaccine refrigerator with integrated voltage stabilization and RTMD

> **One single device worldwide for all voltages and frequencies**

### Highest insulation value

- Rotomoulded body construction: rust free and extremely robust
- 100mm PU foam insulation guarantees highest possible hold over time
- Double silicon gaskets (replaceable) and lockable clasps ensure tight sealing
  - Designed for tropical temperatures: +5°C to +43°C

### Vaccine Refrigerator

- Vaccine storage capacity: 81 L
- Hold over time: 72 h 09 at +43°C
- Delivered with 4 storage wire baskets: facilitates the handling and storage management of the vaccines



### Integrated electronics

- Electronics controller with integrated LED digital temperature monitoring
- Simple and user-friendly “1 button” operation
- Temperature monitoring maintained in case of system failure
- Green technology: very low power consumption and environmentally friendly refrigerant (R600a)
- Works at a preset setpoint of +5°C (cannot be changed by the user)

### Special features

- Integrated Remote Temperature Monitoring Device (RTMD), offering real-time worldwide remote monitoring, data access over WEB and GPS position
- Fully integrated automatic voltage stabilization solution (for any voltage in between 90-290 V) and a protective relay
- Equipped with innovative voltage stabilisers permitting the use of this model in areas of the world with unstable electricity supply
- 5 years international warranty for all parts and labour

Also available

### TCW 40R AC | Vaccine Refrigerator

- Vaccine storage capacity: 36 L
- Hold over time: 110 h at +43°C
- Delivered with 1 storage wire basket

SAVING LIVES THROUGH RELIABLE AND INNOVATIVE TECHNOLOGY

# Vaccine Refrigerator & Ice-pack Freezer

B Medical Systems | AC Range



The TCW 120 AC is a vaccine refrigerator and ice-pack freezer with integrated voltage stabilization and RTMD > **One single device worldwide for all voltages and frequencies**



## Highest insulation value

- Rotomoulded body construction: rust free and extremely robust
- 100mm PU foam insulation guarantees highest possible hold over time
- Double silicon gaskets (replaceable) and lockable clasps ensure tight sealing
- Designed for tropical temperatures: +5°C to +43°C



## Vaccine Refrigerator and Ice-pack Freezer

- Vaccine storage capacity: 120 L
- Ice-pack storage capacity: 22 x 0.6 L
  - Ice-pack freezing capacity: >1.6 kg / 24 h at +43°C
- Hold over time: 73 h 54 at +43°C
- Delivered with 22 ice-packs at 0.6 L and 4 storage wire baskets: facilitates the handling and storage management of the vaccines



## Integrated electronics

- Electronics controller with integrated LED digital temperature monitoring
- Simple and user-friendly “1 button” operation
- Temperature monitoring maintained in case of system failure
- Green technology: very low power consumption and environmentally friendly refrigerant (R600a)
- Works at a preset setpoint of +5°C (Refrigerator) and -20°C (Freezer) (cannot be changed by the user)



## Special features

- Integrated Remote Temperature Monitoring Device (RTMD), offering real-time worldwide remote monitoring, data access over WEB and GPS position
- Fully integrated automatic voltage stabilization solution (for any voltage in between 90-290 V) and a protective relay
- Equipped with innovative voltage stabilisers permitting the use of this model in areas of the world with unstable electricity supply
- 5 years international warranty for all parts and labour



# Ice-pack Freezer

## B Medical Systems | AC Range



The TFW 3000 AC is the first large rotomoulded ice-pack freezer, designed for freezing and storing ice-packs in tropical temperature zones > **Very low energy consumption**



### Highest insulation value

- Rotomoulded body construction: rust free and extremely robust
- 100mm PU foam insulation guarantees highest possible hold over time
- Double silicon gaskets (replaceable) and lockable clasps ensure tight sealing
- Designed for tropical temperatures: +5°C to +43°C



### Ice-pack Freezer

- Ice-pack storage capacity: 162 x 0.6 L
  - Ice-pack freezing capacity: 32.4 kg / 24 h at +43°C
- Delivered with 54 ice-packs at 0.6 L and 6 storage wire baskets



### Integrated electronics

- Electronics controller with integrated digital temperature monitoring
- Temperature monitoring maintained in case of system failure
- Green technology: very low power consumption and environmentally friendly refrigerant (R290)
- Works at a preset setpoint of -16°C (cannot be changed by the user)



“ Ethiopia 2011: Lack of maintenance has led to **30% of cold chain equipment being non-functional.** ”

SAVING LIVES THROUGH RELIABLE AND INNOVATIVE TECHNOLOGY

# Vaccine Refrigerator

## B Medical Systems | AC Range



The TCW 4000 AC is the largest rotomoulded ice lined refrigerator in the world with a net vaccine storage capacity of 240 L > **Very low energy consumption**



### ● Highest insulation value

- Rotomoulded body construction: rust free and extremely robust
- 100mm PU foam insulation guarantees highest possible hold over time
- Double silicon gaskets (replaceable) and lockable clasps ensure tight sealing
- Designed for tropical temperatures: +5°C to +43°C



### ● Vaccine Refrigerator

- Vaccine storage capacity: 240 L
- Hold over time: 77 h 18 at +43°C
- Delivered with 6 storage wire baskets: facilitates the handling and storage management of the vaccines
- Equipped with the new automatic drain water evaporation



### ● Integrated electronics

- Electronics controller with integrated LED digital temperature monitoring
- Simple and user-friendly "1 button" operation
- Temperature monitoring maintained in case of system failure
- Green technology: very low power consumption and environmentally friendly refrigerant (R600a)
- Works at a preset setpoint of +5°C (cannot be changed by the user)



### ● Special features

Can be purchased with Remote Temperature Monitoring Device (RTMD), offering real-time worldwide remote monitoring, data access over WEB and GPS position.





## Technical Data Iceliners



**TCW 40R AC**

**TCW 80 AC**

**TCW 120 AC**

**TFW 3000 AC**

**TCW 4000 AC**

		<b>TCW 40R AC</b>	<b>TCW 80 AC</b>	<b>TCW 120 AC</b>	<b>TFW 3000 AC</b>	<b>TCW 4000 AC</b>
<i>Function</i>		Vaccine Refrigerator		Vaccine Refrigerator & Ice-pack Freezer	Ice-pack Freezer	Vaccine Refrigerator
<i>Climate zone</i>		Hot zone (+43°C)				
<i>Vaccine storage capacity (l)</i>		36	81	120	-	240
<i>Ice-pack storage capacity</i>		-	-	22 x 0.6 L	162 x 0.6 L	-
<i>Ice-pack freezing capacity</i>		-	-	> 1.6 Kg / 24 h	32.4 kg / 24 h	-
<i>Hold over time (+2°C to +10°C)</i>		110 h	72 h 09	73 h 54	-	77 h 18
<i>Dimensions H x W x D (mm)</i>	<i>External</i>	888 x 1022 x 778	892 x 1020 x 783	910 x 1620 x 790	910 x 1270 x 780	915 x 1625 x 780
	<i>Shipping</i>	1040 x 1060 x 800		1040 x 1660 x 805	1030 x 1300 x 800	1040 x 1660 x 805
<i>Shipping weight (kg)</i>		126	111	188	126	183
<i>Operating voltage range</i>		110-240 V - 50/60 Hz			220-240V 50/60Hz or 110-127V 60Hz	220-240V 50/60Hz or 110-120V 60Hz
<i>Energy consumption / 24 h</i>	<i>Stable running</i>	0.51 KWh	0.47 KWh	1.55 KWh	2.15 KWh	0.85 KWh
	<i>Cool down</i>	0.76 KWh	0.60 KWh	1.07 KWh	2.20 KWh	1.24 KWh
	<i>During freezing</i>	-	-	1.41 KWh	-	-
<i>Freeze protection</i>		Grade A				

All values were measured at +32°C or +43°C according to the climate zone of the concerned model (unless otherwise specified).  
Subject to change without prior notice. Some of the accessories shown in the pictures are optional.

**SAVING LIVES THROUGH RELIABLE AND INNOVATIVE TECHNOLOGY**

# Vaccine Transport Boxes

## B Medical Systems | Passive Range

6 models • Volume 1.9 > 44 L • According to ADR | RID | IMDG | ICAO-TI | IATA-DGR • In compliance with WHO Guidelines | PQS Certified\*



### For the safe transport of vaccines or medicines from different storage centres to vaccination sites.

Designed for transporting vaccines from different storage centres to the various vaccination sites (regional centres, health centres or as part of vaccination campaigns), these passive transport containers ensure an unbroken cold chain for transport periods between 24 hours and 8 days.

This range consists of six passive transport systems and are ideal for intensive use with many transport applications, even under difficult climatic conditions. These passive models conform with the European agreement on the international transport of hazardous goods by Road (ADR), by Rail (RID), by sea (IMDG) and with the International agreement for air transport (ICAO-TI / IATA-DGR).

#### DECLARATION OF CONFORMITY (ADR / RID /IMDG / ICAO-TI / IATA-DGR)

- European agreement concerning the international carriage of dangerous goods by road (ADR) and by railway (RID), directive 2008 / 68 / CE
- European agreement concerning the international carriage of dangerous goods by sea transport (IMDG), directive 2002 / 84 / CE
- International agreement for air transport (ICAO-TI / IATA-DGR)

RCW2/4/12 may contain goods of packing groups I, II and III.

RCW8/25 may contain goods of packing groups II and III.



“ Studies have shown that cold chains in many countries are unreliable, and that **vaccines are at risk of exposure to damaging temperature.** ”



### Designed for intensive use

- The special transport boxes, made from rotationally moulded polyethylene (a literally indestructible synthetic), feature an extraordinarily sturdy casing that is almost impervious to external forces, e.g. caused by bumps and falls, whose sturdiness has been proven in drop tests
- The corrosion free material offers easier and safer handling and is light weight. All transport systems can easily and thoroughly be cleaned and disinfected with conventional disinfectants. There are no inaccessible corners or areas inside the transport systems
- The clasps can be sealed or equipped with locks and are therefore protected against unauthorised access during transport
  - RCW1/2/4/8 are very easy to handle thanks to their adjustable shoulder strap and their light weight
  - Designed for tropical temperatures: +5°C to +43°C

### Special features | RCW25

PCM packs - heat accumulation elements, containing a so-called phase change material (PCM at +5°C and -30°C) and Dry Ice (at -80°C) are available for long-term, temperature controlled transport. The stored product will therefore remain at a near constant temperature for a specific period of time, without requiring active temperature control.



### Highest insulation value

- The polyurethane foam injected into the double walls of these transport systems is free of CFC and HCFC and ensure optimum insulation and protection of quality of the transported goods, especially with longer transport times
- Due to the outer casing's self-insulation against the environment, the B Medical Systems transport systems maintain a stable temperature even at higher ambient temperatures

### Special features | RCW1

- The RCW1 is the first long range vaccine carrier which complies to current WHO draft freeze protection specifications, and is perfectly suited for the transport of precooled vaccines and vials. It is easy to handle and can be comfortably carried thanks to its shoulder trap and optional back-pack for longer walks or motorbike rides. A standard electronic thermometer with integrated digital display informs always about vaccine temperature
- Its internal vaccine storage compartment and its vaccine vial holder with indentations (to hold open vaccine vials), protect the temperature-sensitive materials against freezing and ensure optimal temperature conditions





## Technical Data Passive System



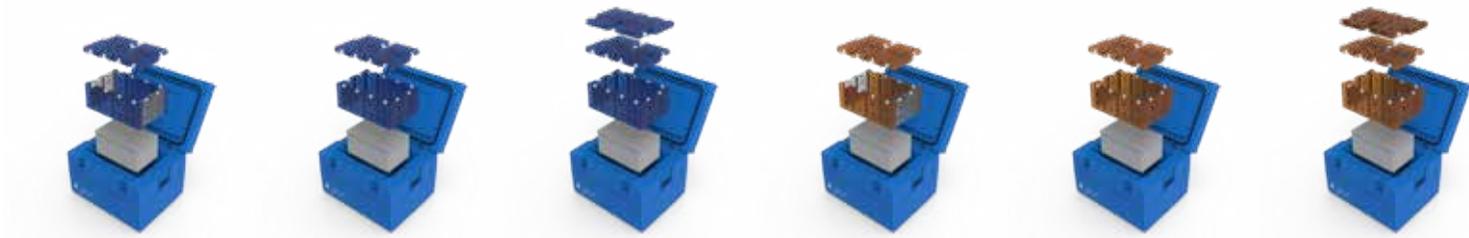
	RCW1	RCW2	RCW4	RCW8	RCW12	RCW25	
Cooling system	Passive						
Climate zone	Hot zone (+43°C)						
Gross volume (l)	6.5	1.9	8	20	24	44	
Vaccine storage capacity (l)	1.04	0.92	3	6	7	20	
Required Ice-pack (for vaccine)	3 x 0.6 L	2 x 0.3 L	1 x 0.6 L + 6 x 0.3 L	10 x 0.6 L + 2 x 0.3 L	14 x 0.6 L	24 x 0.6 L	
Cold life (up to +10°C) at +43°C	32.1 h	-	30.3 h	57.9 h	114.9 h	134.6 h	
Cool life (up to +20°C) at +43°C	-	-	6.7 h	12 h	26.4 h	34.4 h	
Warm life (down to 0°C) at -20°C	-	-	12.9 h	21.6 h	40.9 h	49.5 h	
Dimensions H x W x D (mm)	External	430 x 347 x 281	210 x 250 x 150	299 x 362 x 283	437 x 588 x 288	499 x 550 x 475	499 x 710 x 550
	Inner	208 x 223 x 139	125 x 190 x 80	186 x 260 x 156	245 x 460 x 180	270 x 340 x 260	264 x 496 x 334
	Shipping	460 x 356 x 295	230 x 285 x 160	380 x 320 x 300	470 x 610 x 310	530 x 570 x 490	530 x 730 x 570
Weight (kg)	Net - empty	4.8	1.2	3.1	6.8	11.7	15.9
	Shipping	7	2	4	10	17	23
Insulation thickness (polyurethane)	51-116 mm	30 mm	23-27 mm	50-60 mm	90-105 mm	90-105 mm	
PQS code	E004 / 059	-	E004 / 002	E004 / 003	E004 / 004	E004 / 005	

# For long-term, temperature controlled transport

## B Medical Systems RCW25 | PCM & Dry-Ice

**B Medical Systems PCM** are heat accumulation elements, containing a so-called phase change material (PCM). The PCM stores latent heat at the required temperature at phase change (liquid / solid). The stored product will therefore remain at a near constant temperature for a specific period of time, without requiring active temperature control. The Eutectic Cooling Elements are available in 2 types, PCM+5 and PCM-30, and must be charged for the specified temperature prior to each use.

	PCM +5°C			PCM -30°C		
<i>Load Volume</i>	20 L			20 L		
<i>PCM Type</i>	+5°C			-30°C		
<i>PCM Color</i>	Blue			Orange		
<i>Number of PCM elements</i>	14	18	24	14	18	24
<i>Cold Life at +20°C (ambient temperature)</i>	88.3 h (at +2°C to +8°C)	108.4 h (at +2°C to +8°C)	160.2 h (at +2°C to +8°C)	50 h (below -20°C)	67 h (below -20°C)	92.5 h (below -20°C)
<i>Cold Life at +43°C (ambient temperature)</i>	10 h (at +2°C to +8°C)	24.3 h (at +2°C to +8°C)	40.7 h (at +2°C to +8°C)	26.5 h (below -20°C)	40.2 h (below -20°C)	57.8 h (below -20°C)



### Performance data for RCW25 using dry ice as cooling element

<i>Active material</i>	Dry ice - 9mm pellets	
<i>Number of Pfizer boxes</i>	2	4
<i>Average amount of dry ice (kg)</i>	23	21
<i>Cold Life at +20°C (ambient temperature)</i>	218 h (below -60°C)	191 h (below -60°C)
<i>Cold Life at +43°C (ambient temperature)</i>	193 h (below -60°C)	140 h (below -60°C)

SAVING LIVES THROUGH RELIABLE AND INNOVATIVE TECHNOLOGY

# Ultra-Low Freezers

## B Medical Systems | U Range

8 models • Volume 232 > 949 L • Set temperature -82°C • Climate class SN/T • Compliant to DIN 13277 | MDR (EU) 2017/745, Class IIa



### Exclusive integrated electronics handle bar

All functionalities are easily accessible:

- Digital control with full functionalities - B Medical Systems 7" full touchscreen display integrated at optimal level in the door handle with pre-installed connection allowing exclusive °B Connected monitoring functionalities
- Open/close - Heavy duty door lock mechanism



### Versatile modularity

Excellent storage capacity and modularity - Large choice of racks offering modularity for every need.



### Special features

- Integrated pressure release valve in the door permitting faster opening in one move, and offering easy access for cleaning
- Insulated inner doors for significantly lower loss of cooling when open
- Full compatibility of inner modules and rails, no need to buy new racks, you can keep racks previously used in different models



### High quality materials

High quality coating, certified medical devices quality and antibacterial, high quality steel for better longevity and easy hygiene control.



**Ultra-low freezers are devices intended for the storage of blood components and blood plasma, human cells, tissues, live virus vaccines, and other laboratory samples at ultra-low temperatures down to -86°C. The devices include an integrated alarm system that warns against unexpected temperature excursions and power failures.** U models reflect the highest and most uncompromising requirements with state-of-the-art technology and economy. The cooling system is optimally designed with respect to energy consumption as well as to the development of waste heat and noise. Standard factory setpoint is -82°C, temperature is adjustable from -86°C to -20°C.



## Technical Data Ultra-Low Freezers



	U201	U401	U401 V*2	U501	U501 V*2	
<i>Gross / Net volume (l)</i>	232 / 217	478 / 454	477 / 454	634 / 602	633 / 602	
<i>Storage capacity*1</i>	<i>Viols</i>	17000 (2ml)	34500 (2ml)	34500 (2ml)	46000 (2ml)	
	<i>Cryoboxes</i>	170 (model H50)	345 (model H50)	345 (model H50)	460 (model H50)	
	<i>Plasma bags</i>	150 (350ml)	300 (350ml)	300 (350ml)	400 (350ml)	400 (350ml)
<i>Set temperature (preset)</i>	-82°C	-82°C	-80°C	-82°C	-80°C	
<i>Set temperature (setting range) can be adjusted in steps of 0.1°C</i>			-86°C to -20°C			
<i>Preset cold / warm alarm limit</i>			-87°C / -77°C			
<i>Climate class (ambient temperature range)</i>			SN / T (+10°C to +43°C)			
<i>Defrosting technique</i>			Manual			
<i>Refrigerant type</i>			R290 / R170			
<i>External dimensions H x W x D (mm)</i>	1293 x 699 x 1039	1988 x 699 x 1039	1988 x 699 x 1039	1988 x 845 x 1039	1988 x 845 x 1039	
<i>Inner dimensions H x W x D (mm)</i>	657 x 447 x 738	1375 x 447 x 738	1375 x 447 x 738	1375 x 593 x 738	1375 x 593 x 738	
<i>Net weight with standard equipment (kg)</i>	195	250	262	276	285	
<b>Energy Saver</b>	<i>Supply voltage (V)</i>	230	220	230	220	220-240
	<i>Frequency (Hz)</i>	50	60	50	60	50-60
	<i>Power (W)</i>	2000	2000	2000	2000	2000
	<i>Energy consumption (kWh/24h)</i>	13.5	13.5	11.0	12.5	at 20°C : 5.5 (-80°C) / 6.7 (-70°C)
	<i>Heat emission (Kcal/h): air / water cooled</i>	209 / 115	338 / 125	326 / 121	405 / 150	291.6 / -
	<i>Compressor running time (%)</i>	48	48	46	44	-
	<i>Noise level (dB(A)) (at 1m height &amp; 1m distance)</i>	49	50	49	50	46
<i>Hold over time (-80°C to -60°C)</i>	1.8 h	1.8 h	2.1 h	2.1 h	1.82 h	
				2.7 h	2.7 h	1.37 h

\*1 For directional purpose only. \*2 V stands for variable speed cooling technology.



## Technical Data

### Ultra-Low Freezers



	<b>U701</b>	<b>U701 V*2</b>	<b>U901</b>
Gross / Net volume (l)	791 / 751	790 / 751	949 / 900
Storage capacity*1	Vials	57500 (2ml)	57500 (2ml)
	Cryoboxes	575 (model H50)	575 (model H50)
	Plasma bags	500 (350ml)	500 (350ml)
Set temperature (preset)	-82°C	-80°C	-82°C
Set temperature (setting range) <i>can be adjusted in steps of 0.1°C</i>		-86°C to -20°C	
Preset cold / warm alarm limit		-87°C / -77°C	
Climate class (ambient temperature range)		SN / T (+10°C to +43°C)	
Defrosting technique		Manual	
Refrigerant type		R290 / R170	
External dimensions H x W x D (mm)	1988 x 992 x 1039	1988 x 992 x 1039	1988 x 1139 x 1039
Inner dimensions H x W x D (mm)	1375 x 740 x 738	1375 x 740 x 738	1375 x 887 x 738
Net weight with standard equipment (kg)	297	305	320

Energy Saver	Supply voltage (V)	230	220	115	220-240	230	220
	Frequency (Hz)	50	60	60	50-60	50	60
	Power (W)	2000	2000	2000	2000	2000	2000
	Energy consumption (kWh/24h)	11.9	13.5	10.6	at 20°C : 7.5 (-80°C) / 6.3 (-70°C)	12.4	15.5
	Heat emission (Kcal/h): air / water cooled	426 / 158	511 / 189	645 / -	309.54 / -	444 / 164	567 / 210
	Compressor running time (%)	50	55	57	-	59	61
	Noise level (dB(A)) <i>(at 1m height &amp; 1m distance)</i>	48	49	47	46	51	52
	Hold over time (-80°C to -60°C)	2.5 h	2.5 h	2.5 h	2.2 h	2.3 h	2.3 h



**Our products are used across the world**  
for storing vaccines and other temperature-sensitive products.

**B**



**500K+ products installed**



**Presence in 170+ Countries**



**100+ Patents**



**100+ Certified Medical Devices**



## Blood Management Solutions

*Safe global blood management: from collection to transfusion, transportation, processing and storage*



## Vaccine Cold Chain

*Reliable solutions for safe vaccination around the world*



## Medical Refrigeration

*State-of-the-art technology for the exacting needs of the medical world*



### After Sales support and service

We strive to provide you with the highest standards of service; not only through our selected distributors and partners for all your maintenance and service but also our second line trouble shooting and after sales service. This factory-based group of engineers is there to help our partners and yourself to get the best solution for your cold storage needs.

### Our Global Expertise



### SAVING LIVES THROUGH RELIABLE AND INNOVATIVE TECHNOLOGY

*B Medical Systems (formerly Dometic Medical Systems) has more than 40 years' experience in the medical refrigeration sector.*

*The company, formerly known as Electrolux Medical Systems, was founded in 1979 when the World Health Organization approached Electrolux in Vianden, Luxembourg, to create a solution for the safe storage and transport of vaccines around the world. In 2001, Electrolux Medical Systems became part of the Dometic Group, and was renamed Dometic Medical Systems. In 2015 after MBO, the company was named B Medical Systems.*

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*Since 2019 B Medical Systems has been committed to the UN Global Compact corporate responsibility initiative and its principles in the areas of human rights, labour, the environment and anti-corruption.*

Luxembourg, in the heart of Europe

