



medical  
systems

SAVING LIVES  
THROUGH RELIABLE  
AND INNOVATIVE  
TECHNOLOGY

Medical Refrigeration





# Medical Refrigeration

*Special purpose refrigerators and deep freezers, storage and transport systems for Laboratory, Medicine, Research, Biotechnology and Life Sciences.*

## 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 in 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.

### STATE-OF-THE-ART TECHNOLOGY FOR THE EXACTING NEEDS OF THE MEDICAL WORLD.

B Medical Systems provides solutions for the safe and risk-free storage, transport and handling of products and temperature-sensitive preparations in appropriate conditions. Our state-of-the-art technology covers the entire spectrum of the specific, exacting demands of the market – across hospitals, laboratories, pharmacies, research centres, universities and industry.



## SUMMARY

- 04-05** [B Medical Systems Safety Standards](#)  
For technical reliability and environmental friendliness
- 06-16** [Medical Refrigerators, Freezers and Transport Systems](#)  
For any cooling need in laboratories, research, biotechnology
- 17-19** [°B Connected, DCU & Electronics](#)  
For optimum control and protection of your preparations

# A complete line for any solution

## Medical Refrigeration

### Laboratory Refrigerators

#### L RANGE



L55	L130	L290	L380	LF260	L400	L500	L700	L900	ML670SG	ML1430SG
Gross / Net volume (l)	52 / 45	121 / 106	297 / 269	362 / 329	R   121 / 106 F   121 / 106	478 / 390	634 / 517	792 / 645	949 / 773	670 / 615 1430 / 1395

### Pharmacy Refrigerators

#### P RANGE



P55	P130	P290	P380	PF260	P400	P500	P700	P900	MP670SG	MP1430SG
Gross / Net volume (l)	52 / 45	121 / 106	297 / 269	362 / 329	R   121 / 106 F   121 / 106	478 / 390	634 / 517	792 / 645	949 / 773	670 / 615 1430 / 1395

### Laboratory Freezers

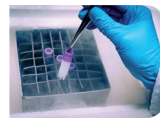
#### F RANGE



F130	F400	F500	F700	F900
Gross / Net volume (l)	121 / 106	478 / 387	634 / 514	791 / 641 949 / 768

### Ultra-Low Freezers

#### U RANGE



U201	U401	U501	U701	U901
Gross / Net volume (l)	232 / 217	478 / 454	634 / 602	791 / 751 949 / 900

### Transport Systems

#### MT RANGE



MT2	MT4	MT8	MT12	MT25	MT100
Gross volume (l)	2.2	8	20	24	44 90
Cooling system	Passive	Passive	Passive	Passive	Active (Compressor)

SAVING LIVES THROUGH RELIABLE AND INNOVATIVE TECHNOLOGY



# Safety Standards

## B Medical Systems

The **Safety Standards developed by B Medical Systems** define certain significant technical features of a product. These ensure the safe storage of the preparations as well as setting the highest standards of safety for the user.

PRECISION LINE	PREMIUM LINE	ML/MP RANGE	
●	●	●	B Medical Systems Electronics
●			B Medical Systems digital display
	●		B Medical Systems 7" full touchscreen display
●		●	Safety door lock (with 2 keys) and key-operated power switch ON/OFF (with 2 keys)
●	●	●	Power indicator light and digital temperature indicator (display: 0.1 digits)
●	●	●	Controlled fan cooling system for constant temperature and even temperature distribution across the entire refrigerating chamber <i>[not applicable for model F130 &amp; U range]</i>
●	●	●	Automatic switch-off of the evaporator fans when the door opens <i>[not applicable for model F130 &amp; U range]</i>
●	●	●	Self-contained alarm system with integrated battery takes over the alarm function and temperature value measurements in case of system failure for at least 48 hours
●	●	●	Acoustic and visual alarm signal in case of temperature alarm and system failure
	●	●	The alarm history function on the electronic stores all the relevant values during a temperature alarm, such as: min., max. and average temperature <i>[+ alarm duration for Premium Line models]</i>
●	●	●	Remote transmission alarm signal (via potential-free contact) in case of temperature alarm (change-over contact)
●	●	●	Safety thermostat prevents dropping of the temperature below +2°C <i>[not applicable for F/U ranges]</i>
●	●	●	Door opening alarm (visual / acoustic)
●	●	●	Designed and tested for climatic class SN (ambient temperature range +10°C to +32°C) <i>[not applicable for L/P models (Premium Line) and ML models]</i>
		●	Designed and tested for climatic class SN / ST (ambient temperature range +10°C to +38°C) <i>[for ML models]</i>
	●		Designed and tested for climatic class SN / T (ambient temperature range +10°C to +43°C) <i>[for L/P ranges]</i>
	●	●	Interior made from stainless steel
●	●	○	Internal LED lighting <i>[not applicable for F/U ranges]</i>
●	●	●	Additional remote transmission alarm signal (via potential-free contact) in case of system failure (change-over contact)
	●	○	Smooth castors for optimum flexibility of movement
	○		External water cooling <i>[not applicable for L/P ranges]</i>
	○	○	Ambient temperature sensor
○	○	○	*B Connected - Universal software for the monitoring of refrigeration devices, including the acquisition, recording and visualization of temperature data
○		○	DCU (Data Communication Unit) - Hardware module monitoring all operating conditions and passing them through to a central database – via local network (in combination with *B Connected)
	●		Ethernet interface for the visualization of all operating and control functions (hardware and software settings) via *B Connected monitoring software on a peripheral device (computer)



# NEW

## Innovation for more reliability

*In conformity with national and international guidelines, regulations for Medical Devices offering reliability, efficiency and safety at an optimal price.*

### PRECISION LINE | MODELS L/P55-130-290-380, LF/PF260 & F130

### PREMIUM LINE | MODELS L/P/F400-500-700-900 & U201-401-501-701-901

#### Integrated multifunction monitoring electronics

Integrated B Medical Systems multifunction electronics; with easy access in the door level; offers alarms, central alarm system, set point security, battery backup, full display and many other control features; compatible with °B Connected solution for data monitoring and recording.

#### Lifetime warranty corrosion-free cabinet

- One piece material cabinet with a lifetime warranty for zero corrosion, highest quality polypropylene for better insulation and no sharp edges to provide easier maintenance and cleaning
- Smart ergonomics - Easier and safer handling because of heavier components placed at the bottom

#### Exclusive integrated electronics handle bar (Patent pending)

All functionalities are easily accessible:

- Digital control with full functionalities - New 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

#### High quality materials

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

#### Versatile modularity

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

User-friendly and longer lifetime

### OUR STANDARDS OF COMPLIANCE – DEPENDING ON THE PRODUCT



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# Laboratory Refrigerators

## B Medical Systems | L Range

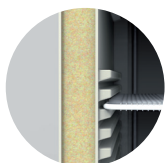
Laboratory Refrigerators are devices intended for the safe storage of samples, specimens, cultures and other laboratory preparations at cold temperatures between +4°C and +15°C with multiple safety features developed as a result of 40 years of expertise in refrigeration technology.

9 models • Volume 52 > 949 L • Set temperature +5°C • Climate class SN | SN/T • Compliant to DIN 13221 | DIN 58345 | ÖNORM K 2040 | MDR (EU) 2017/745, Class I



### Integrated multifunction monitoring electronics

Integrated B Medical Systems multifunction electronics; with easy access in the door level; offers alarms, central alarm system, set point security, battery backup, full display and many other control features; compatible with °B Connected solution for data monitoring and recording.



### Lifetime warranty corrosion-free cabinet

- One piece material cabinet with a lifetime warranty for zero corrosion, highest quality polypropylene for better insulation and no sharp edges to provide easier maintenance and cleaning
- Smart ergonomics - Easier and safer handling because of heavier components placed at the bottom



### High storage capacity

High storage per square meter in terms of net volume, with a very versatile inner volume utility due to multiple user friendly rails allowing modularity.



### Exclusive integrated electronics handle bar *(Patent pending)*

All functionalities are easily accessible:

- Digital control with full functionalities - New 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



### High quality materials

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

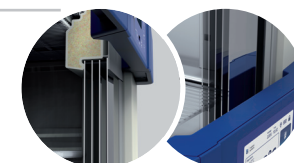


### Versatile modularity

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

### Organic glass door (available as an option)

4-layer (Precision Line) and 5-layer (Premium Line) PMMA organic glass offering highest insulation, combined with reduced weight reducing efforts to close door and constraints on hinges, offering better longevity.





## Laboratory Refrigerators



**L55**



**L130**



**L290**



**L380**



**LF260**

Refrigerator & Freezer combined

Gross / Net volume (l)	52 / 45	121 / 106	297 / 269	362 / 329	R   121 / 106	F   121 / 106
External dimensions H x W x D (mm)	670 x 495 x 575	830 x 595 x 695	1670 x 595 x 695	1980 x 595 x 695	1650 x 595 x 695	



**L400**



**L500**



**L700**



**L900**

Gross / Net volume (l)	478 / 390	634 / 517	792 / 645	949 / 773
External dimensions H x W x D (mm)	1988 x 699 x 1039	1988 x 845 x 1039	1988 x 992 x 1039	1988 x 1139 x 1039

SAVING LIVES THROUGH RELIABLE AND INNOVATIVE TECHNOLOGY





# Pharmacy Refrigerators

## B Medical Systems | P Range

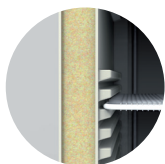
Pharmacy Refrigerators are devices intended for the safe storage of pharmaceuticals, e.g. medications or live virus vaccines, at cold temperatures between +4°C and +15°C with multiple controls and warning safety features developed as a result of 40 years of expertise in refrigeration technology.

9 models • Volume 52 > 949 L • Set temperature +5°C • Climate class SN | SN/T • Compliant to DIN 13221 | DIN 58345 | ÖNORM K 2040 | MDR (EU) 2017/745, Class I



### Integrated multifunction monitoring electronics

Integrated B Medical Systems multifunction electronics; with easy access in the door level; offers alarms, central alarm system, set point security, battery backup, full display and many other control features; compatible with °B Connected solution for data monitoring and recording.



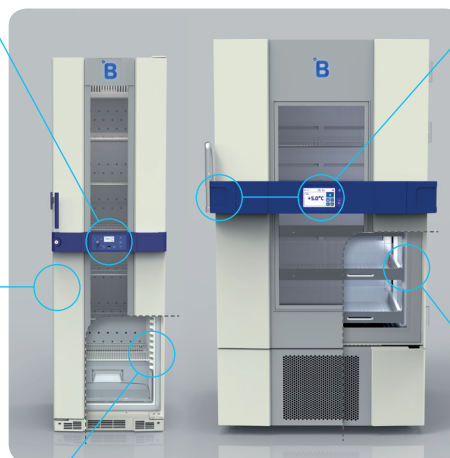
### Lifetime warranty corrosion-free cabinet

- One piece material cabinet with a lifetime warranty for zero corrosion, highest quality polypropylene for better insulation and no sharp edges to provide easier maintenance and cleaning
- Smart ergonomics - Easier and safer handling because of heavier components placed at the bottom



### High storage capacity

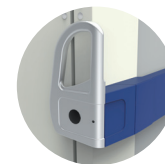
High storage per square meter in terms of net volume, with a very versatile inner volume utility due to multiple user friendly rails allowing modularity.



### Exclusive integrated electronics handle bar (Patent pending)

All functionalities are easily accessible:

- Digital control with full functionalities - New 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



### High quality materials

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

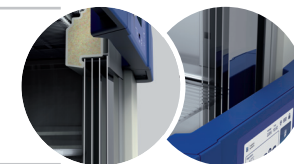


### Versatile modularity

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

### Highest insulation value (organic glass door)

4-layer (Precision Line) and 5-layer (Premium Line) PMMA organic glass offering highest insulation, combined with reduced weight reducing efforts to close door and constraints on hinges, offering better longevity.





## Pharmacy Refrigerators



**P55**



**P130**



**P290**



**P380**



**PF260**

Refrigerator & Freezer combined

Gross / Net volume (l)	52 / 45	121 / 106	297 / 269	362 / 329	R   121 / 106	F   121 / 106
External dimensions H x W x D (mm)	670 x 495 x 575	830 x 595 x 695	1670 x 595 x 695	1980 x 595 x 695	1650 x 595 x 695	



**P400**



**P500**



**P700**



**P900**

Gross / Net volume (l)	478 / 390	634 / 517	792 / 645	949 / 773
External dimensions H x W x D (mm)	1988 x 699 x 1039	1988 x 845 x 1039	1988 x 992 x 1039	1988 x 1139 x 1039

SAVING LIVES THROUGH RELIABLE AND INNOVATIVE TECHNOLOGY

# Medical Refrigerators

## B Medical Systems | ML/MP Range

4 models • Volume 670 > 1430 L • Set temperature +5°C • Climate class SN | SN/ST • Compliant to DIN 13221 | DIN 58345\*



### Integrated multifunction electronics

Integrated B Medical Systems multifunction electronics, compatible with °B Connected monitoring solution for data monitoring and recording.



### High quality materials

High quality stainless steel, certified antibacterial, for better longevity and easy hygiene control.



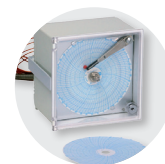
### High storage capacity

High storage per square meter in terms of net volume, with a very versatile inner volume utility due to multiple user friendly rails allowing modularity.



### Special features

- Control of storage temperature and documentation of temperature changes can - depending on the application - be carried out via an optional integrated temperature recorder (in the form of a circular chart recorder) or via the optional DCU, through the Monitoring & Visualization Software °B Connected
- Full compatibility of inner modules and rails, no need to buy new racks, you can keep racks previously used in different ML/MP models
- MP models are equipped with triple insulating glass door (anti-mist) for quick check and pre-selection of the refrigerator's content



**Medical Refrigerators are devices intended for the safe storage of laboratory and pharmaceutical preparations at cold temperatures between +4°C and +15°C with multiple safety features developed as a result of 40 years of expertise in refrigeration technology.**





# Medical Refrigerators



ML670SG



ML1430SG



MP670SG



MP1430SG

Gross / Net volume (l)	670 / 615	1430 / 1395	670 / 615	1430 / 1395
External dimensions H x W x D (mm)	2050 x 710 x 910	2050 x 1441 x 910	2050 x 710 x 910	2050 x 1441 x 910





# Laboratory Freezers

## B Medical Systems | F Range

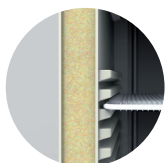
Laboratory freezers are devices intended for the safe storage samples, specimens, live virus vaccines, cultures, test materials, chemicals, reagents, and other laboratory preparations at temperatures below  $-20^{\circ}\text{C}$  developed as a result of 40 years of expertise in refrigeration technology.

5 models • Volume 121 > 949 L • Set temperature  $-41^{\circ}\text{C}$  /  $-32^{\circ}\text{C}$  • Climate class SN | SN/T • Compliant to DIN 13221 | MDR (EU) 2017/745, Class I



### Integrated multifunction monitoring electronics

Integrated B Medical Systems multifunction electronics; with easy access in the door level; offers alarms, central alarm system, set point security, battery backup, full display and many other control features; compatible with °B Connected solution for data monitoring and recording.



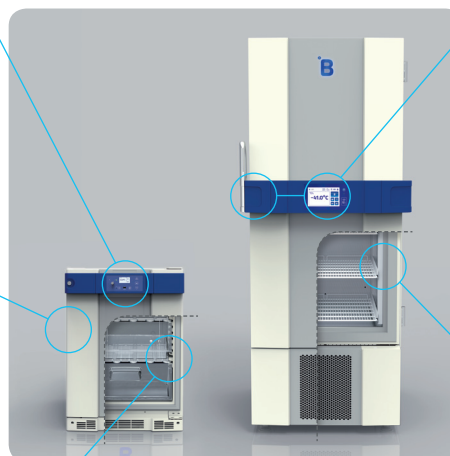
### Lifetime warranty corrosion-free cabinet

- One piece material cabinet with a lifetime warranty for zero corrosion, highest quality polypropylene for better insulation and no sharp edges to provide easier maintenance and cleaning
- Smart ergonomics - Easier and safer handling because of heavier components placed at the bottom



### High storage capacity

High storage per square meter in terms of net volume, with a very versatile inner volume utility due to multiple user friendly rails allowing modularity.



### Exclusive integrated electronics handle bar *(Patent pending)*

All functionalities are easily accessible:

- Digital control with full functionalities - New 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



### High quality materials

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



### Versatile modularity

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

### Special features for easy deicing and defrosting

- New evaporator offering better performance than market average, resulting in lesser ice formation with automatic defrost
- Insulated inner doors for significantly lower loss of cooling when open



## Laboratory Freezers



**F130**

Gross / Net volume (l)	121 / 106
External dimensions H x W x D (mm)	830 x 595 x 695



**F400**



**F500**



**F700**



**F900**

Gross / Net volume (l)	478 / 387	634 / 514	791 / 641	949 / 768
External dimensions H x W x D (mm)	1988 x 699 x 1039	1988 x 845 x 1039	1988 x 992 x 1039	1988 x 1139 x 1039

**SAVING LIVES** THROUGH RELIABLE AND INNOVATIVE TECHNOLOGY





# Ultra-Low Freezers

## B Medical Systems | U Range

5 models • Volume 232 > 949 L • Set temperature -82°C • Climate class SN/T • Compliant to DIN 58375 | MDR (EU) 2017/745, Class IIa



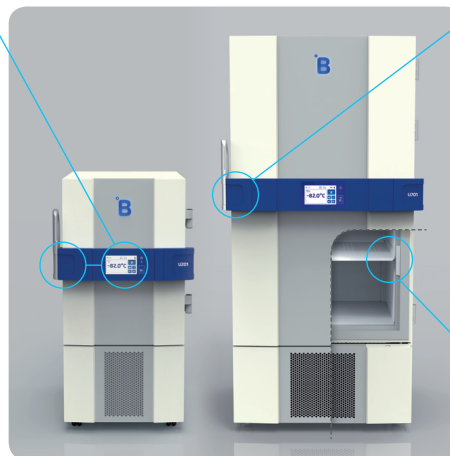
### Exclusive integrated electronics handle bar (Patent pending)

All functionalities are easily accessible:

- Digital control with full functionalities - New 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.

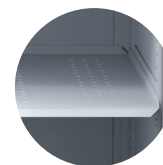
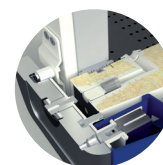


### Special features

- 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

New 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 -20°C to -86°C.



## Ultra-Low Freezers



**U201**

<i>Gross / Net volume (l)</i>		232 / 217
<i>Storage capacity</i>	<i>Cryoboxes (models H50)</i>	150 (with 6 Cryo-Racks)
	<i>Vials</i>	15000 (2ml)
<i>External dimensions H x W x D (mm)</i>		1293 x 699 x 1039



**U401**



**U501**

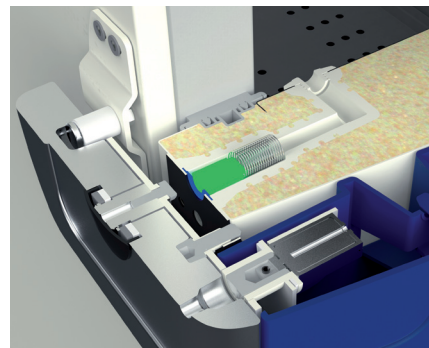


**U701**



**U901**

<i>Gross / Net volume (l)</i>		478 / 454	634 / 602	791 / 751	949 / 900
<i>Storage capacity</i>	<i>Cryoboxes (models H50)</i>	345 (with 9 Large Cryo-Racks and 3 Cryo-Racks)	460 (with 12 Large Cryo-Racks and 4 Cryo-Racks)	575 (with 15 Large Cryo-Racks and 5 Cryo-Racks)	690 (with 18 Large Cryo-Racks and 6 Cryo-Racks)
	<i>Vials</i>	30000 (2ml)	40000 (2ml)	50000 (2ml)	60000 (2ml)
<i>External dimensions H x W x D (mm)</i>		1988 x 699 x 1039	1988 x 845 x 1039	1988 x 992 x 1039	1988 x 1139 x 1039



### INTEGRATED PRESSURE RELEASE VALVE

This aluminium die cast handle offers a strong and ergonomic feeling that allows the user to open the door with one hand. Inside the freezers, the vacuum will be automatically removed through a release valve, located in the door, in order to allow easy cleaning.

The handle is equipped with an electric lock that can be deactivated through the user interface.



# Transport Systems

## B Medical Systems | MT Range

6 models • Volume 2.2 > 90 L • Compliant to ADR | RID | IMDG | ICAO-TI | IATA-DGR | MDD 93/42/EEC, Class IIa



MT2



MT4



MT8



MT12



MT25



MT100

Cooling system	Passive	Passive	Passive	Passive	Passive	Active (Compressor)
Gross volume (l)	2.2	8	20	24	44	90
External dimensions H x W x D (mm)	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	1000 x 520 x 800

**Transport Systems are devices intended for the safe transport of blood or other blood components.** The model range MT consists of five passive transport systems and one active transport refrigerator, working with a compressor. B Medical Systems transport systems are ideal for intensive use with many transport applications, even under difficult climatic conditions.

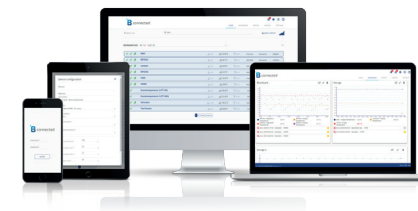
MT models conform with the European agreement on the international transport of hazardous goods by Road (ADR), by Rail (RID), by sea (IMDG) and with International regulations for air transport (ICAO-TI / IATA-DGR).

For all passive transport boxes eutectic cooling systems are available as an option (-32°C, +4°C, +22°C and +37°C)\*.



# Optimum control and protection

## B Medical Systems | °B Connected & DCU



### °B CONNECTED | MONITORING SOFTWARE

*Universal software for the monitoring of refrigeration devices, including the acquisition, recording and visualization of temperature data.*



- Unique monitoring software for the full range of Blood Management Solutions and Medical Refrigeration products
- Web-based interfaces for computers and mobile devices
- Modern design for simple and intuitive use
- Graphic display of temperature curves
- Integrated event and activity history of appliances' components
- Data recording on centralized database for long-term archiving
- Easy setting of specific alarm, via email or SMS alerts
- Generation of reports compiling crucial data and activities
- Temperature and detailed device data export for third-party software
- Important cost advantage compared to a traditional circular chart recorder and its spare parts
- REST API to access raw data directly from the database in read-only mode

#### KEY BENEFITS:

- Unique interface for the monitoring of the full range of refrigeration devices
- Centralized database providing data access to entire customer network

### DCU | DATA COMMUNICATION UNIT (PRECISION LINE & ML/MP RANGE)

*Hardware module monitoring all operating conditions and passing them through to a central database – via local network.*



- Interface connection of B Medical Systems appliances to an existing network
- Graphical user interface displaying temperature and configuring devices and alarms easily
- Direct connection to Ethernet and serial bus RS485
- Digital in/out (programmable and customer-specific use)
- Recording and storing appliance-relevant data
- Integrated USB port allowing to export archived data
- The DCU combined with the °B Connected software replaces the paper temperature recorder
- All data are recorded and saved in the internal storage of the DCU and backed up in °B Connected database if connected
- Several additional self-sufficient temperature sensors (up to 4 PT1000) may be connected
- Humidity sensor input (4-20 mA)

#### KEY BENEFITS:

- Central system collecting relevant temperature data of the appliances and their respective operating conditions
- A number of connection abilities allowing flexible upgrades for individual projects

°B Connected & DCU offer a highly flexible system that is adaptable to specific customer requirements

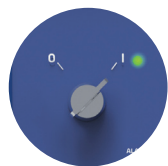
- > Complete & legally safe documentation of temperature data
- > Comprehensive applications and diagnostic functionalities

SAVING LIVES THROUGH RELIABLE AND INNOVATIVE TECHNOLOGY

# Full functionalities at a glance

## B Medical Systems | Electronics

**PRECISION LINE** | Multifunctional electronics with digital display and easy access, in the door handle; compatible with °B Connected monitoring solution.



### Key power switch 0 = OFF / I = ON

- To switch the unit on, turn the key switch to position „I“. The green power LED lights up
- After the self-check, the temperature inside the device is displayed



### Digital display

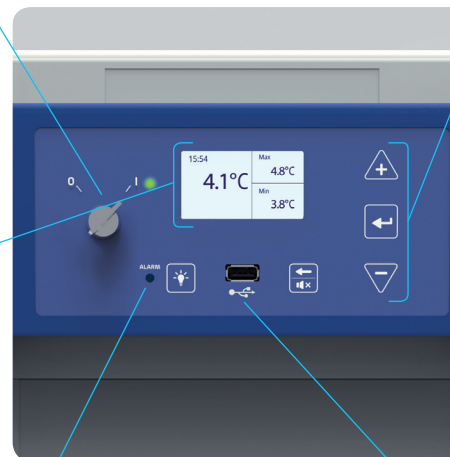
During normal operation the display shows:

- Left-hand side: current time and internal temperature displayed in °C (Celsius) or °F (Fahrenheit) in increments of 0.1°
- Right-hand side: the maximum and minimum inside temperature



### Acoustic and visual alarm signal

When an alarm occurs, the red alarm LED lights up and an acoustic signal sounds. The corresponding alarm message appears on the display with the inside measured temperature. If several alarms occur simultaneously, the messages will be shown alternately.



### Function buttons

- UP / DOWN buttons: navigation within the parameters and modification of their values
- ENTER button: use the ENTER-key to confirm the actual selection. This applies to the parameter value. The change of a parameter only becomes effective when confirmed
- MUTE / BACK button: in case of an alarm, the acoustic alarm can be muted for a specified time. In Parameter-mode the same key acts as "BACK-button" to go one step back
- LIGHT button: allows to switch on or off the interior light of the device without opening the door (for L and P ranges)



### USB port

A USB port is available for data export only. Measured values of the display sensor are stored for at least 30 days (ring buffer) together with a time stamp.



**The new B Medical Systems Electronics** offers a wide range of adjustment and diagnostic functionalities as well as additional protection / warning operations (via external alarm operations, histories and individual display signals).

**PREMIUM LINE** | Multifunction electronics with 7" full touchscreen display, integrated at optimal level in the door handle with pre-installed connection allowing exclusive °B Connected monitoring functionalities.



#### Power switch OFF / ON

- To switch on press the ON/OFF button for 1 second. The green LED will light up
- Switch off protected by password. The door will automatically unlock before powering down



#### Touchscreen 7" full display

During normal operation the display shows:

- At the top: current voltage, current time, defrosting (for F range), gasket heater (for F and U ranges) and login status (user level)
- Left-hand side: temperature of the regulation sensor (displaying this temperature can be disabled through the settings) and internal temperature displayed in °C (Celsius) or °F (Fahrenheit) in increments of 0.1°
- Right-hand side: touch buttons to access door unlock, clean, menu, alarm mute and message functions



#### USB port & SD card slot

#### Acoustic and visual alarm signal

When an alarm occurs, the red alarm LED lights up and an acoustic signal sounds. The corresponding alarm message appears on the display together with the inside measured temperature. If several alarms occur simultaneously, the messages will be shown alternately.



#### Keycard reader

Login / Unlock using an NFC card

#### Touch buttons

- DOOR UNLOCK button: unlocks the door of the device
- CLEAN button: the cleaning button allows the user to disable the touch capability of the screen for a short period of time in order to clean the screen. This button is replaced by the logout button when user is logged in
- MENU button: allows access to the menu screen
- ALARM MUTE button: deactivates the acoustic alarm for a predefined period of time
- ACTIVE ALARMS AND WARNINGS button: during a warning or alarm situation, the color of this button and the corresponding level will change. Information on an active alarm and warning is accessible by pressing the message button



**SAVING LIVES** THROUGH RELIABLE AND INNOVATIVE TECHNOLOGY



## 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*

### Our Global Expertise



### 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.



### 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. Having established a legitimate reputation in the medical equipment industry, the company has also become a global leader in vaccine cold chain.*

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#### WE SUPPORT



*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

