



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
- 06-13** **Medical Refrigerators & Freezers**
For any cooling need in laboratories, research, biotechnology
- 14-17** **°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 |
| 52 / 45 | 121 / 106 | 297 / 269 | 362 / 329 | R 121 / 106 F 121 / 106 | 478 / 390 | 634 / 517 | 792 / 645 | 949 / 773 |

Refrigerator & Freezer compliance

Pharmacy Refrigerators

P RANGE



| | | | | | | | | |
|---------|-----------|-----------|-----------|--------------------------------|-----------|-----------|-----------|-----------|
| | | | | | | | | |
| P55 | P130 | P290 | P380 | PF260 | P400 | P500 | P700 | P900 |
| 52 / 45 | 121 / 106 | 297 / 269 | 362 / 329 | R 121 / 106 F 121 / 106 | 478 / 390 | 634 / 517 | 792 / 645 | 949 / 773 |

Refrigerator & Freezer compliance

Laboratory Freezers

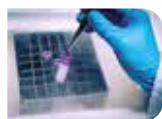
F RANGE



| | | | | | | |
|-----------|-----------|-----------|-----------|-----------|-----------|-----------|
| | | | | | | |
| F130 | F290 | F380 | F400 | F500 | F700 | F900 |
| 121 / 106 | 296 / 281 | 338 / 318 | 478 / 387 | 634 / 514 | 791 / 641 | 949 / 768 |

Ultra-Low Freezers

U RANGE



| | | | | |
|-----------|------------------------|------------------------|------------------------|-----------|
| | | | | |
| U201 | U401 / U401 V* | U501 / U501 V* | U701 / U701 V* | U901 |
| 232 / 217 | 478 / 454 477 / 454 | 634 / 602 633 / 602 | 791 / 751 790 / 751 | 949 / 900 |

* V stands for variable speed cooling 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 | |
|----------------|--------------|---|
| ● | ● | 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 F models (Precision Line) & U range]</i> |
| ● | ● | Automatic switch-off of the evaporator fans when the door opens <i>[not applicable for F models (Precision Line) & 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) |
| | ● | Designed and tested for climatic class SN / T (ambient temperature range +10°C to +43°C) |
| | ● | 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 |
| | ● | 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) |
| ○ | ○ | *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) |
| ○ | ○ | Integrated remote temperature monitoring device (RTMD), offering real-time worldwide remote monitoring, data access over WEB and GPS position |

● Standard ○ Optional

Subject to change without prior notice.



PRECISION LINE

MODELS L/P55-130-290-380, LF/PF260 & F130-290-380

PREMIUM LINE

MODELS L/P400-500-700-900, F400-500-700-900 & U201-401-401V-501-501V-701-701V-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.



Rotomoulded or steel models

- **Models L/P55-130-290-380, F130 & LF/PF260:** 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
- **Models F290-380:** Steel cabinets feature lower overall energy consumption, superior temperature distribution and a highly stable air circulation within the cabinet, remarkable sealing between gaskets, long autonomy and holdover times, and an exceptional life-span for the compressor
 - Smart ergonomics - Easier and safer handling because of heavier components placed at the bottom



Innovation for more reliability

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

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



High quality materials

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.

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 13277 | 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

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



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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.



Laboratory Refrigerators



L55



L130



L290



L380



LF260

Refrigerator & Freezer combined

| | | | | | | |
|---|-----------------|-----------------|------------------|------------------|------------------|---------------|
| <i>Gross / Net volume (l)</i> | 52 / 45 | 121 / 106 | 297 / 269 | 362 / 329 | R 121 / 106 | F 121 / 106 |
| <i>External dimensions H x W x D (mm)</i> | 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

| | | | | |
|---|-------------------|-------------------|-------------------|--------------------|
| <i>Gross / Net volume (l)</i> | 478 / 390 | 634 / 517 | 792 / 645 | 949 / 773 |
| <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 |

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 13277 | 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

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



High quality materials

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

| | | | | | | |
|---|-----------------|-----------------|------------------|------------------|------------------|---------------|
| <i>Gross / Net volume (l)</i> | 52 / 45 | 121 / 106 | 297 / 269 | 362 / 329 | R 121 / 106 | F 121 / 106 |
| <i>External dimensions H x W x D (mm)</i> | 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

| | | | | |
|---|-------------------|-------------------|-------------------|--------------------|
| <i>Gross / Net volume (l)</i> | 478 / 390 | 634 / 517 | 792 / 645 | 949 / 773 |
| <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 |

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°C developed as a result of 40 years of expertise in refrigeration technology.

7 models • Volume 121 > 949 L • Set temperature -41°C / -32°C • Climate class SN | SN/T • Compliant to DIN 13277 | MDR (EU) 2017/745, Class I



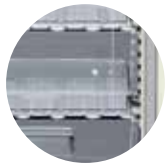
Integrated multifunction monitoring electronics

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.



Rotomoulded or steel models

- **Model F130:** 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
- **Models F290-380:** Steel cabinets feature lower overall energy consumption, superior temperature distribution and a highly stable air circulation within the cabinet, remarkable sealing between gaskets, long autonomy and holdover times, and an exceptional life-span for the compressor
- 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

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



High quality materials

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

- 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



F290



F380

| | | | |
|---|-----------------|------------------|------------------|
| <i>Gross / Net volume (l)</i> | 121 / 106 | 296 / 281 | 338 / 318 |
| <i>External dimensions H x W x D (mm)</i> | 830 x 595 x 695 | 1750 x 603 x 650 | 1950 x 603 x 650 |



F400



F500



F700



F900

| | | | | |
|---|-------------------|-------------------|-------------------|--------------------|
| <i>Gross / Net volume (l)</i> | 478 / 387 | 634 / 514 | 791 / 641 | 949 / 768 |
| <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 |

Ultra-Low Freezers

B Medical Systems | U Range

8 models • Volume 232 > 949 L • Adjustable temperature -86°C > -20°C • Climate class SN/T • Compliant to DIN 13277 | MDR (EU) 2017/745, Class IIa



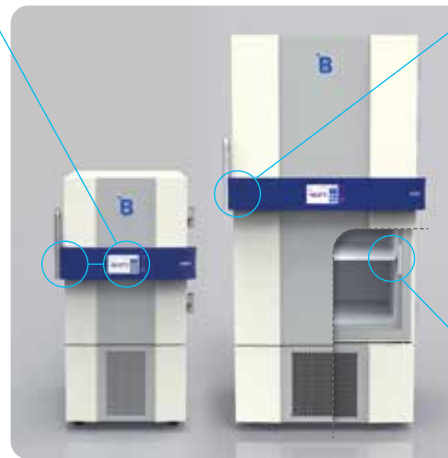
Exclusive integrated electronics handle bar

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
- Ergonomic door handle for seamless operations and durability

Advanced Technologies

- Bottom-mounted refrigeration system offers easy access and an optimised storage space
 - Uses green refrigerants with zero Ozone Depletion Potential (ODP)
- Unique evaporator technology ensures an even cold air distribution and eliminates oil clogging
- **Models U401 V, U501 V and U701 V** delivers, with its innovative technology, Superior Temperature Uniformity and Door Opening Recovery with Low Energy Consumption even during intensive use



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
- Excellent storage capacity & flexibility: Large choice of racks offering modularity

High quality materials

- Stainless steel construction with an external antibacterial coating that ensures durability and hygiene
- Sturdy door hinges ensure a secure seal, preventing frost buildup



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. Temperature is adjustable from -86°C to -20°C.



Ultra-Low Freezers



U201

| | | |
|---|-------------------------------|-------------------------|
| <i>Gross / Net volume (l)</i> | | 232 / 217 |
| <i>Storage capacity*1</i> | <i>Cryoboxes (models H50)</i> | 170 (with 6 Cryo-Racks) |
| | <i>Vials</i> | 15500 (2ml) |
| <i>External dimensions H x W x D (mm)</i> | | 1293 x 699 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.



U401



U401 V*2



U501



U501 V*2



U701



U701 V*2



U901

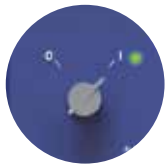
| | | | | | | | | |
|---|-------------------------------|--|-----------|---|-----------|---|-----------|---|
| <i>Gross / Net volume (l)</i> | | 478 / 454 | 477 / 454 | 634 / 602 | 633 / 602 | 791 / 751 | 790 / 751 | 949 / 900 |
| <i>Storage capacity*1</i> | <i>Cryoboxes (models H50)</i> | 345 (with 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> | 34500 (2ml) | | 46000 (2ml) | | 57500 (2ml) | | 69000 (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 |

*1 For directional purpose only. Values subject to change.
Please refer to the most updated accessories flyer for the most optimal storage configuration.
*2 V stands for variable speed cooling 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 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.

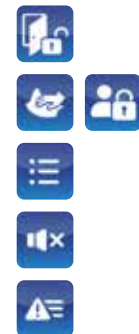


Keycard reader

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

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

1 CONFIGURATION



USER MANAGEMENT

- Password login
- Access right



DEVICE SETTINGS

- Device information
- Device & user configuration



ALARM PROFILE

- Parameters of the alarm profile (day, hour, minute)
- Alarm management

2 DISPLAYING



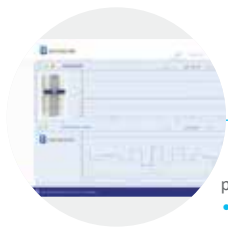
DETAILED DISPLAY

- Optimized design for mobile and touch compatible devices
- Support of multiple languages
 - Real-time data: Current temperatures, set point, upper and lower limit, door state, compressor runtime
- Log data: Events, alarms within date/time, event type, description of the event. Event and alarm confirmation function
- Parameter settings of each device: Factory settings, real-time clock, language, firmware version, RS485 address, IP address

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

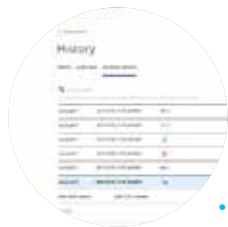
- > Complete & legally safe documentation of temperature data
- > Comprehensive applications and diagnostic functionalities

3 ANALYSING



REAL TIME GRAPHICS

- Graphic temperature progress (in real time)
- Adjustable time axis
- Offline navigation



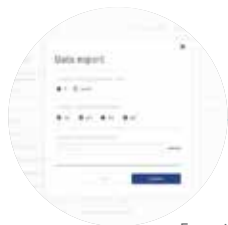
INTERACTIVE ANALYSIS

- No limitation in terms of time range
- Freely scalable
- Detailed information for any point of time
- Temperature data, events and alarms
- Login history and audit trails



CONTROL CENTER

- Overview (Control Monitor) of all monitored appliances:
- Information regarding status, appliance name, location, connection, upper and lower limits, current temperature, events / alarms
 - Dashboard to combine several temperature measurements in one single graph

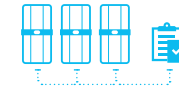


PRINTED ANALYSIS

- Customizable print reports on daily, weekly and monthly basis
- Exports in various file types
- Standardized format

DCU | DATA COMMUNICATION UNIT (PRECISION LINE)

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

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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.

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