Racking & Storage Systems

B Medical Systems | Accessories

Racks, Shelves and Drawers for B Medical Systems refrigerators and freezers. Keep your samples well-arranged at all times to provide a perfect overview.

°B medical systems

SAVING LIVES
THROUGH RELIABLE
AND INNOVATIVE
TECHNOLOGY

Blood Management Solutions & Medical Refrigeration

Accessories: Racking & Storage Systems
B Medical Systems

B Medical Systems offers a wide range of racking and storage systems
for its "Medical Refrigeration" & "Blood Management Solutions" devices.

PRECISION LINE	PREMIUM LINE	
●		Drawer with Front Cover (Polycarbonate, transparent)
●		Drawer (Polycarbonate, transparent)
●		Bottom Drawer (Polycarbonate, transparent)
	●	ST-Drawer with Front Cover (Stainless Steel / Glass)
	●	ST-Drawer (Stainless Steel)
●	●	Wire-Shelf
	●	ST-Shelf (Stainless Steel)
●	●	Dividers Set (Polycarbonate, transparent)
	●	S-Rack (Polycarbonate, transparent)
	●	ST-Rack (Stainless Steel)
	●	Cryo-Rack H50 / H75 / H100 (Stainless Steel)
	●	D-Rack H50 / H75 / H100 (Stainless Steel)
	●	D-Rack Microtiter H22 (Stainless Steel)
●	●	Temperature chart recorder, pre-mounted (in the form of a circular chart recorder)
●	●	°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

● Compatible

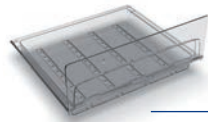## Excellent storage capacity and flexibility.
Large choice of shelves and drawers offering modularity for every need.

Premium Line

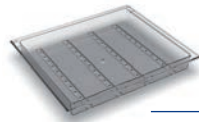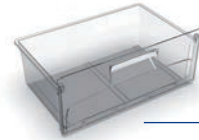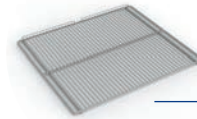**SAVING LIVES** THROUGH RELIABLE AND INNOVATIVE TECHNOLOGY

DRAWER + FRONT COVER
Polycarbonate, transparent

DRAWER
Polycarbonate, transparent


BOTTOM DRAWER
Polycarbonate, transparent

WIRE SHELF
Wire DIN177, PA11 coated

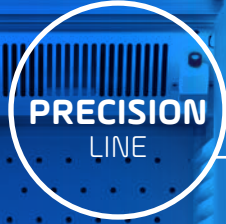|	**B / F / L / P** RANGES				
	51–55	**130–131**	**260–261**	**290–291**	**380–381**
Drawer + Front Cover	B/L/P	B/F/L/P	B/L/P	B/F/L/P	B/F/L/P
Standard configuration per unit	0	B = 1 | F = 2 | L/P = 0	B = 3 | L/P = 2	B = 5 | F/L/P = 0	B = 6 | F/L/P = 0
Max. items per unit	1	1 | F = 2	3	5 | F = 6	6 | F = 7
Internal dimensions H x W x D (mm)	47 x 316 x 236	47 x 414 x 356			
Max. load per tray (kg)	7.5	14.5			
Drawer	B/L/P	B/F/L/P	B/L/P	B/F/L/P	B/F/L/P
Standard configuration per unit	B = 1 | L/P = 0	F = 1 | B/L/P = 0	0	0	0
Max. items per unit	3	4	8	18 | F = 12	23 | F = 14
Internal dimensions H x W x D (mm)	47 x 316 x 236	47 x 414 x 356			
Max. load per tray (kg)	7.5	14.5			
Bottom Drawer	B/L/P	B/F/L/P	B/L/P	B/F/L/P	B/F/L/P
Standard configuration per unit	1	1	2	1	1
Max. items per unit	1	1	2	1	1
Internal dimensions H x W x D (mm)	97 x 354 x 171	149 x 436 x 251.6			
Max. load per tray (kg)	6	11			
Wire Shelf	B/L/P	B/F/L/P	B/L/P	B/F/L/P	B/F/L/P
Standard configuration per unit	L/P = 1 | B = 0	L/P = 1 | B/F = 0	L/P = 2 | B = 0	L/P = 5 | B/F = 0	L/P = 7 | B/F = 0
Max. items per unit	6	10 | F = 8	18	38 | F = 12	48 | F = 14
External dimensions H x W x D (mm)	19 x 363 x 290	19 x 464 x 411			
Max. load per tray (kg)	10.5	18			
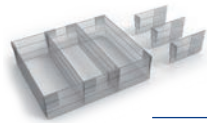
DIVIDERS SET H100

Polycarbonate, transparent
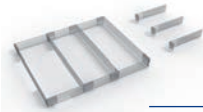
DIVIDERS SET H35

Polycarbonate, transparent

TEMPERATURE CHART RECORDER

B / F / L / P RANGES

	51-55	130-131	260-261	290-291	380-381
Dividers Set H100	B / L / P	B / F / L / P	B / L / P	B / F / L / P	B / F / L / P
Max. items per unit with Drawer + Front Cover	1	1 | F = 2	3	5 | F = 6	6 | F = 7
Number of compartments per Dividers Set	4	6	6	6	6
Material	Polycarbonate, transparent				
Accessories	Additional universal divider (H100)				
Dividers Set H35	B / L / P	B / F / L / P	B / L / P	B / F / L / P	B / F / L / P
Max. items per unit with Drawer	3	4	8	18 | F = 12	23 | F = 14
Number of compartments per Dividers Set	4	6	6	6	6
Material	Polycarbonate, transparent				
Accessories	Additional universal divider (H35)				
Temperature Chart Recorder	B / L / P	B / F / L / P	B / L / P	B / F / L / P	B / F / L / P
Max. items per unit	1	1	2	1	1
External dimensions H x W x D (mm)	144 x 144 x 67				

SAVING LIVES THROUGH RELIABLE AND INNOVATIVE TECHNOLOGY
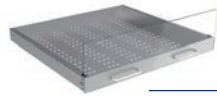
ST-DRAWER + FRONT COVER
Stainless Steel & Glass
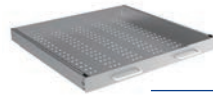
ST-DRAWER
Stainless Steel

WIRE SHELF
Wire DIN177, PA11 coated
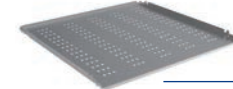
ST-SHELF
Stainless Steel
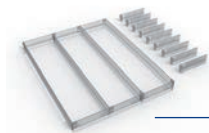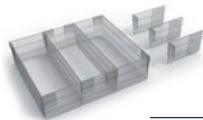
	B / F / L / P / U RANGES				
	201	400-401	500-501	700-701	900-901
ST-Drawer + Front Cover	U	B / F / L / P	B / F / L / P	B / F / L / P	B / F / L / P
Standard configuration per unit	-	B/P = 3 | F/L = 0	B/P = 3 | F/L = 0	B/P = 3 | F/L = 0	B/P = 3 | F/L = 0
Max. items per unit	-	5	5	5	5
Internal dimensions H x W x D (mm)	-	190 x 361 x 651	190 x 508 x 651	190 x 655 x 651	190 x 802 x 651
Max. load per tray (kg)	-	23	33	42	52
ST-Drawer	U	B / F / L / P	B / F / L / P	B / F / L / P	B / F / L / P
Standard configuration per unit	-	0	0	0	0
Max. items per unit	-	13	13	13	13
Internal dimensions H x W x D (mm)	-	66 x 361 x 651	66 x 508 x 651	66 x 655 x 651	66 x 802 x 651
Max. load per tray (kg)	-	23	33	42	52
Wire Shelf	U	B / F / L / P	B / F / L / P	B / F / L / P	B / F / L / P
Standard configuration per unit	-	B/P = 2 | F/L = 5	B/P = 2 | F/L = 5	B/P = 2 | F/L = 5	B/P = 2 | F/L = 5
Max. items per unit	-	13	13	13	13
External dimensions H x W x D (mm)	-	35 x 388 x 643	35 x 534 x 643	35 x 681 x 643	35 x 828 x 643
Max. load per tray (kg)	-	24	33	42	52
ST-Shelf	U	F / U	F / U	F / U	F / U
Standard configuration per unit	1	U = 3 | F = 0	U = 3 | F = 0	U = 3 | F = 0	U = 3 | F = 0
Max. items per unit	7	13	13	13	13
External dimensions H x W x D (mm)	28 x 429 x 716	28 x 429 x 716	28 x 576 x 716	28 x 724 x 716	28 x 870 x 716
Max. load per tray (kg)	30	30	41	51	62

- Not available

Subject to change without prior notice.

DIVIDERS SET H55

Polycarbonate, transparent

DIVIDERS SET H100

Polycarbonate, transparent

S-RACK

Polycarbonate, transparent

ST-RACK

Stainless Steel

B / F / L / P / U RANGES

	201	400-401	500-501	700-701	900-901
Dividers Set H55 / H100	U	B / F / L / P	B / F / L / P	B / F / L / P	B / F / L / P
Max. items per unit with: ST-Drawer + Front Cover	-	5 (H100)			
ST-Drawer	-	13 (H55)			
Number of compartments per Dividers Set	-	8	12	16	20
Material	Polycarbonate, transparent				
Accessories	Additional universal divider (H55 / H100)				

	201	400-401	500-501	700-701	900-901
S-Rack	U	B / F / L / P / U	B / F / L / P / U	B / F / L / P / U	B / F / L / P / U
Max. items per tray with: ST-Drawer	-	3	4	5	6
Wire Shelf	-	3	4	5	6
ST-Shelf	3	3	4	5	6
External dimensions H x W x D (mm)	100 x 113 x 638				
Material	Polycarbonate, transparent				
Accessories	Wire Separator				

	201	400-401	500-501	700-701	900-901
ST-Rack	U	B / F / L / P / U	B / F / L / P / U	B / F / L / P / U	B / F / L / P / U
Max. items per tray with: ST-Drawer	-	2	2	3	4
Wire Shelf	-	2	3	3	4
ST-Shelf	2	2	3	4	4
External dimensions H x W x D (mm)	95 x 134 x 648				
Material	Stainless Steel				

- Not available

Subject to change without prior notice.

SAVING LIVES THROUGH RELIABLE AND INNOVATIVE TECHNOLOGY
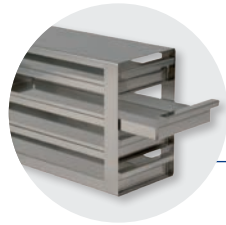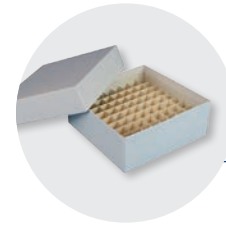
PREMIUM LINE

Accessories

CRYO-RACK
Stainless Steel

D-RACK
Stainless Steel

D-RACK MICROTITER
Stainless Steel

CARTON CRYOBOX
(Shown with carton separator)

	U RANGE				
	201	**401**	**501**	**701**	**901**
Large Cryo-Rack H50					
Max. items per unit	-	9	12	15	18
Cryoboxes storage capacity per Cryo-Rack			30 x H50		
External dimensions H x W x D (mm)			330 x 140 x 698		
Material			Stainless Steel		
Cryo-Rack H50 / H75 / H100					
Max. items per unit	6	12	16	20	24
Cryoboxes storage capacity per Cryo-Rack			25 x H50 / 15 x H75 / 10 x H100		
External dimensions H x W x D (mm)		H50 = 276 x 142 x 698 / H75 = 241 x 140 x 698 / H100 = 221 x 140 x 699			
Material			Stainless Steel		
D-Rack H50 / H75 / H100 / Microtiter H22					
Max. items per unit	6	12	16	20	24
Cryoboxes storage capacity per D-Rack			20 x H50 / 15 x H75 / 10 x H100		
External dimensions H x W x D (mm)		H50 = 231 x 140 x 700 / H75 = 241 x 140 x 700 / H100 = 211 x 140 x 700 / H22 = 270 x 136 x 700			
Material			Stainless Steel		
Carton Cryobox H50 / H75 / H100					
External dimensions H x W x D (mm)		H50 = 50 x 113 x 638 / H75 = 75 x 113 x 638 / H100 = 100 x 113 x 638			
Material			Carton		
Accessories			Carton separator		

- Not available
Subject to change without prior notice.

REFERENCE BOTTLE

4 SEPARATE INTERIOR DOORS

RTMD

NFC CARD

B / F / L / P / U RANGES

	Precision Line	Premium Line
Plugs	√ EU, GB, CH, US, AUS or DK Any plug type is also available with longer plug cable (6 meter length), angled plug or both	
Additional hole	√ Ø 15mm, Ø 30mm or Ø 50mm (for additional cables, plugs and others)	
Voltage stabilizers	√ 220-240 V - 50/60Hz or 110 V - 60Hz	
	√ Adapter for any plug type	
Reference bottle	√ Additional Reference bottle, including Holder	
Sensors	√ NTC sensor (with 1 meter length)	-
	-	√ PT1000 - Ambient temperature sensor (with 3.5 meter length)
	-	√ PT1000 - Display and regulation sensor (with 3.5 meter length)
H2O2 Resistant unit	-	√ Special coating on the cooling system protecting the unit from unwanted chemical reactions
4 separate interior doors (instead of 2)	-	√ For F and U ranges (except model U201)
Remote Temperature Monitoring Device (RTMD)	-	√ For F range (Laboratory Freezers)
NFC Card	-	√ Additional NFC permission cards for Premium HMI 7" touchscreen display
Padlock preparation	-	√ Preparation to be able to lock the unit with a padlock (not provided)

√ Available   - Not available

Subject to change without prior notice.

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
O = 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.
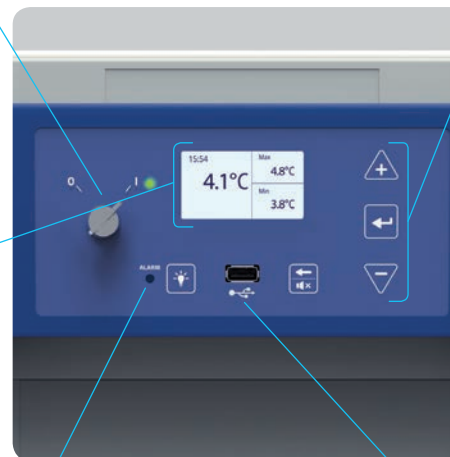
Function buttons

- 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 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 B range)

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.
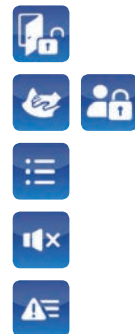
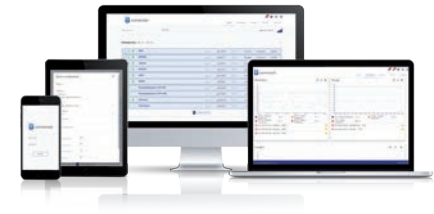**Keycard reader**

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

Subject to change without prior notice.

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

---

❶ 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

---

❷ 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
- Batch management: Plasma bag barcodes scanned on device and imported in the database

---

°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

DCU | DATA COMMUNICATION UNIT (PRECISION LINE)

❸ **ANALYSING**

REAL TIME GRAPHICS

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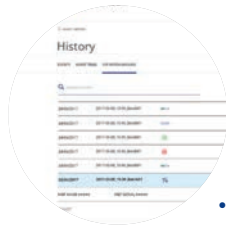
INTERACTIVE ANALYSIS

- 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
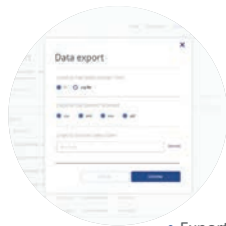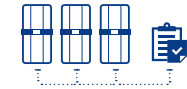
PRINTED ANALYSIS

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

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 configurating 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

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.

B medical systems

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.

Luxembourg, in the heart of Europe

B Medical Systems S.à r.l.

17, op der Hei
L - 9809 Hosingen, Luxembourg

Tel.: (+352) 92 07 31-1
Fax: (+352) 92 07 31-300
info@bmedicalsystems.com

MADE IN LUXEMBOURG

WE SUPPORT
UN GLOBAL COMPACT

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.

www.bmedicalsystems.com