



medical
systems



SAVING LIVES
THROUGH RELIABLE AND INNOVATIVE
TECHNOLOGY

Blood Management Solutions - Cold Chain - Medical Refrigeration





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For over 35 years, we've been innovating and creating technologies that save lives across the globe.

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.

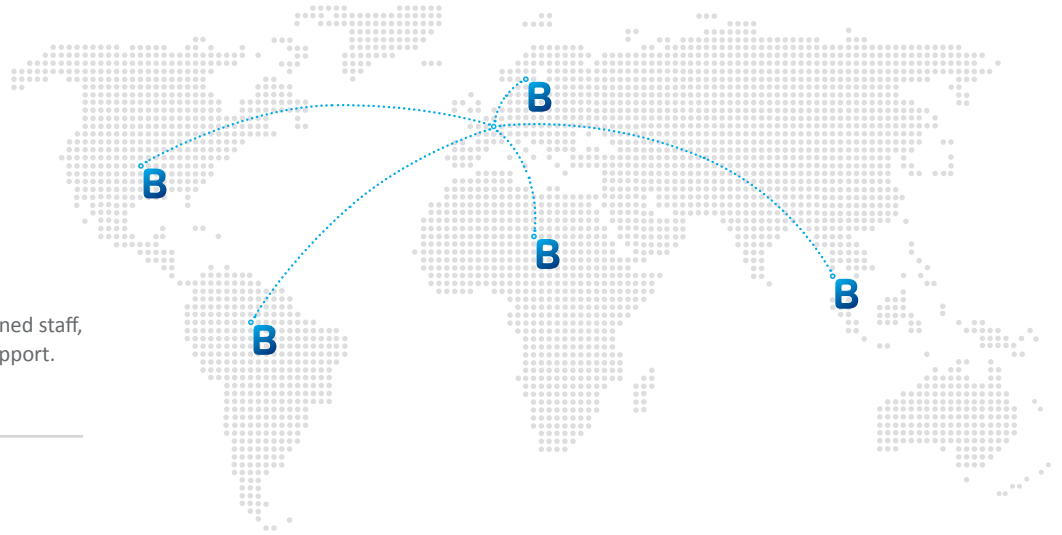
We feel deeply connected to the international community of healthcare professionals and use optimized industrial processes to offer reliable products and services that help develop a relationship of trust. By managing the design, manufacturing, distribution and after-sales elements, we adopt a lifecycle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

A best-in-class global network

We deliver superior solutions for our customers through an **extensive worldwide network** of trained staff, outstanding customer service and after-sales support.



Our commitment to quality and reliability

We are committed to exploring new technologies and making our solution portfolio more diverse. We are a flexible, innovative and customer-oriented company, recognized by the medical world for the excellence and performance of our solutions.

We take pride in our history of close cooperation with prestigious organizations and companies, including international health organizations such as the Red Cross, aid agencies and governments.

We remain true to ourselves by following one rule: "Never compromise on our standards". This allows us to deliver the best solutions for humankind.



A 10-YEAR WARRANTY ON SOLAR DIRECT DRIVE SOLUTIONS

At B Medical Systems, we established our reputation by offering customers innovative, high-quality solutions with superior reliability. Continuing that tradition, all our solar direct drive solutions come with a 10-year warranty and a 10-year prepaid data logger subscription.

OUR COMPLIANCES – DEPENDING ON THE PRODUCT





Blood Management Solutions

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

B Medical Systems is a renowned expert in blood safety and management. Our reliable blood cold chain strictly observes international standards and World Health Organization recommended specifications. We keep blood safe through temperature-controlled transportation, processing and storage solutions.

Additionally B Medical Systems offers innovative solutions for blood and derivatives treatment. These include a new Contact Shock Freezer that delivers optimized performance with its innovative system (patent pending) – it enables faster and more homogenous freezing that saves time and money – and an exclusive integrated Incubator and Platelet Agitator with autonomous motioned trays, each with their own door, which ensures better stability and preservation of product quality, and consequently production gains.



OUR SOLUTIONS FOR A TEMPERATURE-CONTROLLED BLOOD MANAGEMENT CHAIN INCLUDE:

- Blood bank refrigerators
- Plasma freezers
- Deep freezers
- Contact shock freezer
- Laboratory refrigerators
- Transport boxes
- Platelet agitator

The 2BHRFID Solution



COMPLETE TRANSPARENCY FROM DONOR TO RECIPIENT

In order to meet the specific management and traceability needs of the blood transfusion process, B Medical Systems has developed the 2BH-RFID solution – allowing optimized tracking of blood bag information via Radio-Frequency Identification (RFID) technology. As part of the identification process during the preparation stage, an RFID chip is fixed on to each blood bag. When an order comes in from a healthcare establishment, the distribution operator selects the bags and encodes each bag’s RFID chip with its destination. The blood donation number and product code registered to the chip are read automatically, which allows the central information system to be interrogated and to record specific data on each blood bag, the deadline for its return to the blood establishment, destination and patient information.

OUR 2BH-RFID SOLUTION OFFERS THE FOLLOWING KEY BENEFITS:

- **Reliable identification and traceability of blood bags.** The blood donation number, product code and all-important patient information are automatically recorded in the RFID chip’s memory.
- **Patient safety.** Digital management of the transfusion chain eliminates retranscription errors and guarantees delivery of the right product to the right patient.
- **Savings on a rare resource.** Complete information on a blood bag’s identity and temperature allows better use of a rare resource. Remaining unused blood bags no longer need to be thrown away, as the chips accurately indicate their status.
- **Optimal operational efficiency.** By providing information on remote stocks and real-time visibility in the supply chain, our solution supports streamlined distribution and a reduction in costs.



Cold Chain

Reliable and innovative solutions for safe vaccination around the world

B Medical Systems is a leading manufacturer of 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.

OUR SOLUTIONS FOR AN EFFICIENT COLD CHAIN INCLUDE:

- Solar Direct Drive vaccine refrigerators that work straight from solar panels, without the need for batteries or regulators.
- Compression ice-lined refrigerators and freezers for use in demanding conditions such as hot and humid environments. Made from roto-moulded polyethylene, these models offer the durability and robustness required for intensive use.
- Vaccine transport boxes that ensure an unbroken cold chain, for transport periods of between 24 hours and 8 days.
- Temperature data loggers that allow real-time remote temperature monitoring over the Internet, plus temperature control alarms.



Our Health Center Kit is the first solar energy centre linking a solar direct drive refrigerator and a solar generator, allowing it to recognise an excess of available energy from the solar generator and use it to automatically charge and power other devices.

THE LOWEST TOTAL COST OF OWNERSHIP

Our R&D activities are primarily focused on developing solutions that deliver maximum reliability while requiring very little maintenance – or even better, none at all. This is why our solutions have the lowest total cost of ownership on the market: no expensive maintenance is needed.

Saving lives in Nigeria

B Medical Systems helps to eradicate polio virus with vaccine storage.

In Nigeria, prior to 2012, over 40% of deaths of children under the age of five were attributable to vaccine-preventable diseases. This was largely due to the failure of the cold chain, which was dependant on an unreliable power supply and poorly equipped logistics systems.

As a part of a concerted action between the National Primary Health Care Development Agency, state governments and GAVI the Vaccine Alliance, B Medical Systems installed 1,556 units of its TCW 2000 SDD refrigerator and ice pack freezers across 36 states and Federal Capital Territory of Lagos, between April 2013 and 2015. As a result, vaccines became more accessible in Nigeria. On 25 September 2015, the World Health Organization announced that, for the first time, Nigeria had been officially removed from the polio-endemic list.





Medical Refrigeration

*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.



**THE MOST
SUSTAINABLE
COOLING TECHNOLOGY**

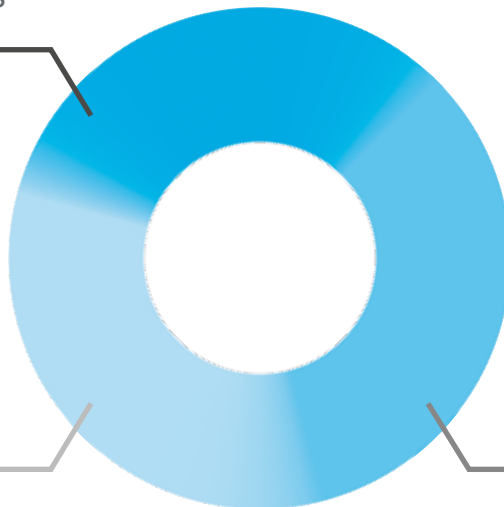
We have developed a range of highly efficient and low-noise appliances using environmentally friendly natural gases as refrigerants. Our green standard provides the following benefits: stark reduction in CO₂ emissions; 40% to 60% drop in energy consumption; more than 80% reduction in heat injection; up to 40% decrease in power requirement; improved holdover times thanks to optimized door insulation; and a significant reduction in noise levels, for a more comfortable workplace.



Pharmacy
refrigerators



Ultra Low
freezers



Laboratory
freezers





SAVING LIVES THROUGH RELIABLE AND INNOVATIVE TECHNOLOGY

B Medical Systems (formerly Dometic Medical Systems) has more than 35 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.

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@bmedicalsistemas.com

www.bmedicalsistemas.com



Luxembourg, in the heart of Europe

