

ARCTIKO  **BBR Series**
true cooling specialists

BLOOD BANK REFRIGERATORS

MDD 93/42 CERTIFIED



MEDICAL DEVICE
CLASS IIA

MEDICAL DEVICE CERTIFIED BLOOD BANK REFRIGERATORS

BLOOD BANK REFRIGERATORS

Our professional blood bank refrigerators are the optimal choice for the safe storage of blood, due to their exceptional temperature uniformity and reliable technology.

THE MDD (MEDICAL DEVICE DIRECTIVE) STANDARD AND WHAT IT MEANS FOR YOU

The Medical Device Directive was introduced in 1993, to ensure that there was a sufficient harmonisation of safety laws for medical devices.



WHAT ARE BLOOD BANK REFRIGERATORS?

Our blood bank refrigerators ensure that the essential and lifesaving blood is well protected. Visibility within the blood refrigerator is also a vital element that we've added to our devices, as the ability to monitor temperature and appearance of stored blood will further ensure that the quality, integrity and standard of your blood bags will remain high at all times.

The MDD 93/42 is intended to harmonize the laws relating to medical devices within the European Union. The MDD Directive is a 'New Approach' Directive and consequently, in order for a manufacturer to legally place a medical device on the European market the requirements of the MDD Directive have to be met.

All refrigerators for blood storage must be classified as IIa by the European Union and must therefore have the CE-marking followed by the four digits that indicate the Notified body, who evaluated and audited the product in accordance with ISO 13485 and its technical file.

In 2024 all approved MDD 93/42/EEC units must be reapproved in accordance to MDR 2017/745.

Our blood bank refrigerators already successfully adhere to the Medical Device Directive, due to their reliable technology and the strict adherence to the requirements stipulated within the Directive, meaning that you will be safe in the knowledge that your blood bank refrigerator is a safe investment.

BENEFITS ON BBR/BBR-D RANGE

- ▶ Medical device approved
- ▶ TRUE DUAL™ technology (-D range)
- ▶ 3-level protection (Dixel, G214 and temperature chart recorder)
- ▶ Automatic door closing and door lock
- ▶ Forced air cooling
- ▶ Telescopic drawers
- ▶ Right hand hinged reversible door
- ▶ Stainless steel interior
- ▶ White exterior

G214 CONTROLLER

THE NEW MEDICAL DEVICE REGULATION (MDR) IN 2021

The European Medical Device Regulatory was introduced in May 2021, to further ensure that development, production, and supply of medical devices within Europe is held to a high standard of safety, along with providing a further layer of uniformity across the EU.

The key changes within the Medical Device Regulation include more rigorous post-market surveillance, an increase in the accurate and stringent documentation required and a regular systematic clinical evaluation.



BBR 300 ▲



FORCED AIR COOLING

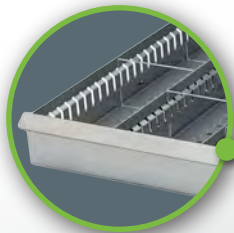


MEDICAL DEVICE CLASS IIA



AVAILABLE WITH TRUE DUAL™ TECHNOLOGY

STAINLESS STEEL DRAWERS



PROFESSIONAL BLOOD BANK REFRIGERATORS FOR SAFE STORAGE OF BLOOD

Blood Bank refrigerators are devices intended for safe storage of whole blood and blood components at temperatures ranging from +2°C to +6°C.

Blood must be stored at a consistent and stable temperature for the best results. The well-designed Arctiko Blood Bank refrigerators are the optimal choice.

The features include uniform fan cooling that circulates the air around the stored blood. Polyurethane (CFC-free) insulation in cabinet walls, together with double pane glass doors, reduce the effect of the ambient environment and and promote temperature uniformity in the cabinets.

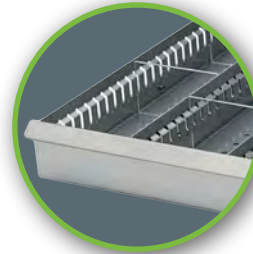
Glass door and open drawer design ensures easy access to and identification of blood, which reduces the time required for door openings and results in better temperature uniformity.

Cold storage of blood is crucial in light of continuing advancements in medical science. The value of blood and blood components, coupled with stringent storage requirements, make the Arctiko Blood Bank refrigerators a major asset in risk management.

The importance of correct blood storage cannot be questioned today, with the medical industry investing millions of euros each year in laboratory procedures involving blood donation, testing, matching, preparation and so on. Many of the current medical practices around the world would not be possible without blood.

Every collection, identification and transfusion of blood must follow a protocol, so that blood transfusion remains safe for patients, donors and medical technicians. If blood is not stored properly, all of these efforts and expenses could be lost, which is why choosing Arctiko blood bank refrigerators is so important. Blood storage requires specially designed equipment to meet international standards, which is important to have in mind when purchasing your next blood bank refrigerator.

In conclusion, you can see it is very important to store blood in the correct manner, both for the health of the community and also to avoid wasting precious resources of life.



STAINLESS STEEL DRAWERS

ARCTIKO Blood Bank refrigerators are specially designed to store whole blood bags in our easy extractable stainless steel drawers.

DOUBLE PANE GLASS DOOR

Our double pane glass door reduces heat from the ambient affecting the cabinet and promotes temperature uniformity in the chamber.

CHART RECORDER

Continuous documentation of temperature conditions inside of cabinet together with the G214 & Dixell controller for optimum security. The valuable blood is well protected and monitored at all times.

EXCEPTIONAL TEMPERATURE UNIFORMITY AND RELIABLE TECHNOLOGY.



STORAGE CAPACITY

Large storage capacity with a wide product portfolio with internal capacity from 94 L to 1381 L, meeting every customer need.



G214 CONTROLLER

The ARCTIKO controller with state-of-the-art electronics to maintain temperature uniformity and stability.

The features include backup battery, power failure alarms, high/low-temperature alarms, probe failure alarm, instrument failure alarm, contact for remote alarm, integrated data logger with memory for 20 years, RS 485/232 interface and USB readout/download.

BBR100



FORCED AIR COOLING



MEDICAL DEVICE CLASS IIA



AVAILABLE WITH TRUE DUAL™ TECHNOLOGY

WHAT'S YOUR BACK-UP PLAN, IF YOUR BLOOD BANK REFRIGERATOR FAILS?

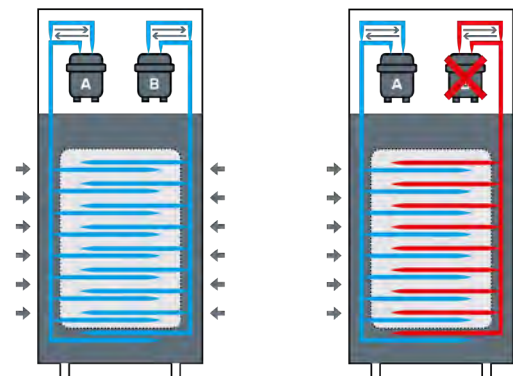


Blood is an important resource and the safety of it should not be put at risk. Avoid the problems and headaches caused by an unexpected breakdown of your Blood Bank refrigerator and spend your time on what's more important, your research and treatment of humans.

Arctiko has added additional security in the form of a TRUE DUAL™ technology to the BBR-D range, so that the temperature will be maintained even in the event of an unexpected failure.

OPTIMUM SAFETY WHEN STORING BLOOD

TRUE DUAL™ technology with two separate and independent cooling systems in combination with the advanced Arctiko controller, provides extreme security where needed. All important controller features, such as a data logger and alarms, are included as standard.



Maintains stable temperature of +4 °C and protects the blood

If one of the independent cooling cycles unexpectedly fails, the other system maintains a stable temperature of +4°C and the blood will stay protected.

It is important to invest in the correct quality equipment also to meet the established regulatory standards. Arctiko's quality equipment will reduce the frequency of costly downtime situations.

+4 °C

BBR 1400



BBR 300



FORCED AIR COOLING



MEDICAL DEVICE CLASS IIA



AVAILABLE WITH TRUE DUAL™ TECHNOLOGY



MODEL	BBR 100 / -D	BBR 300 / -D	BBR 500 / -D	BBR 700 / -D	BBR 1400 / -D
Item code	DAI 1110	DAI 1115	DAI 1120	DAI 1125	DAI 1130
Item code with TRUE DUAL™ technology (-D)	DAI 1135	DAI 1140	DAI 1145	DAI 1150	DAI 1155
Dimensions exterior WxDxH (mm)	610x659x790	520x690x1997	620x860x1997	720x860x1997	1440x860x1997
Capacity (L)	94	352	523	628	1381
Temperature range (°C)	+4	+4	+4	+4	+4
Adjustable drawers (pcs)	2	5	5	5	10
Max. load per adjustable drawer (kg)	30	30	30	30	30
Max. no. of blood bags - by standard no. of adj. drawers (pcs)	72	150	240	300	600

ARCTIKO

true cooling specialists



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We reserve the right to change specifications without notice. Subject to confirmation, availability and errors.
Check our website for further technical information.

