



# BBR 500-D

OPTIMAL CHOICE FOR SAFE AND RELIABLE STORAGE OF BLOOD, DUE TO THE DUAL COOLING SYSTEM THAT WILL PROVIDE DOUBLE SECURITY.

These models are MDD certified and designed with stable and reliable temperature uniformity from top to bottom.



DUAL COOLING  
SYSTEM



MEDICAL DEVICE  
CLASS IIA



AIR FORCED  
COOLING



FILTERLESS  
CONSTRUCTION

## SAFE BLOOD STORAGE

The BBR range comes with many special features compared to a standard pharmaceutical refrigerator. Arctiko's superior dual cooling system is able to operate just as normal if a problem on the one cooling cycle occurs, which means your samples will be safe at all time.

To meet the strict requirements of the MDD approval, they come with probes immersed in glycerin, extra security controller, chart recorder and secondary probes, all to preserve the integrity and traceability of the precious blood.

## MEDICAL DEVICE

Arctiko's Blood bank refrigerator range is MDD 93/42/EEC approved and certified as class IIA. This ensures that it is approved for storing tissue or substances that are to be introduced into the human body – it is important to note the difference of class I or class II, as class I does not meet the requirement for blood storage.

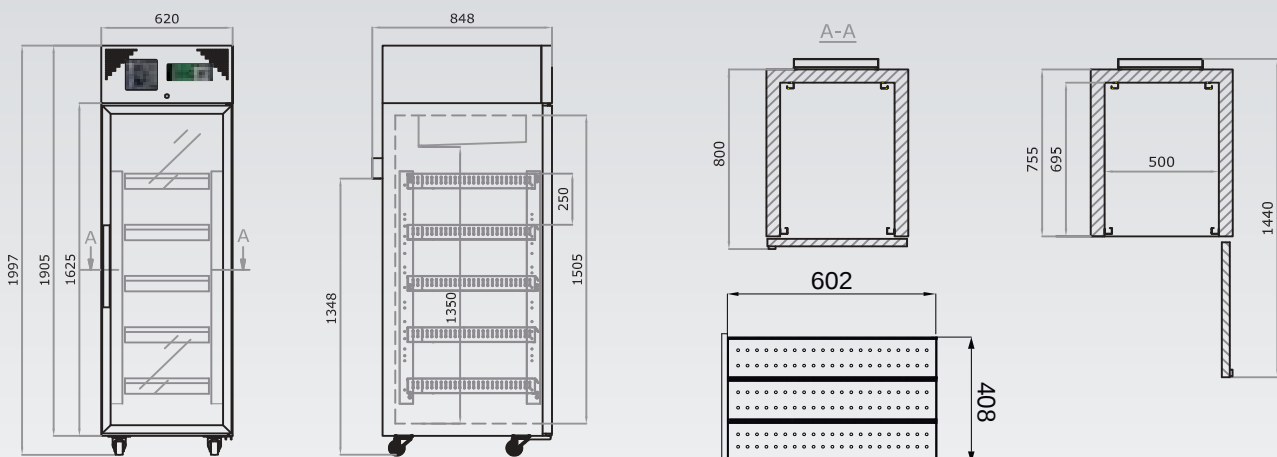
To ensure maximum safety this blood bank is equipped with two controllers and a chart recorder that constantly monitors the temperature.

## OPTIMIZED INTERIOR

The valuable blood is well protected and monitored in our blood banks, ensuring the high quality of your blood bags at all times. Insulated double pane glass doors will prevent condensation and ensures great temperature uniformity.

Together with the smart design, glass door and the telescopic drawers with lanes in Arctiko's BBR range you are ensured to have maximum capacity of blood bag, a great access and overview of the stored samples and still keeping the blood safe.

## MAIN DIMENSION FOR BBR 500-D





Telescopic drawer systems with lanes and dividers so you can sort and extract the stored samples with minimum efforts.



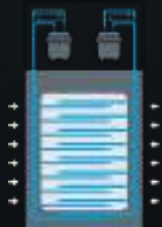
Arctiko's Blood bank refrigerator range is MDD 93/42/EEC approved and certified as class IIA



The BBR range comes with probes immersed in glycerin, extra security controller, chart recorder and secondary probes.

## DUAL COOLING SYSTEM

In the unlikely event that one of the independent cooling system should fail, the blood bank will still work normally and maintain **+4°C** until the problem on the other cooling system is solved. This will keep the blood bags safe and save you time to focus on what's most important.



### NORMAL OPERATION

Two independent cooling systems work simultaneously.



### IN CASE OF FAILURE

One of the systems can maintain the temperature at **+4°C**

## MAIN SPECIFICATIONS

|                                |               |
|--------------------------------|---------------|
| Item code                      | DAI 1145      |
| Temperature range (°C)         | +4            |
| Max. ambient temperature (°C)  | 32            |
| Capacity (L)                   | 523           |
| Exterior dimensions WxDxH (mm) | 620x860x1997  |
| Interior dimensions WxDxH (mm) | 500x695x1505  |
| Weight (KG)                    | 163           |
| Insulation (mm)                | 60            |
| Cooling technology             | air forced    |
| Controller model / probe type  | G214 / PT1000 |

## POWER

|                             |         |
|-----------------------------|---------|
| Power supply (V)            | 230     |
| Frequency (Hz)              | 50/60   |
| Power consumption (kWh/24H) | 7,7     |
| AMP (A)                     | 2,6     |
| Power (Watt)                | 468     |
| Horse power (HP)            | 2 x 1/4 |

## ALARM FUNCTIONS

|                                          |           |
|------------------------------------------|-----------|
| Alarm display as text - not codes        | yes       |
| Visual / acoustic alarm                  | yes / yes |
| Power failure alarm                      | yes       |
| Adjustable high / low temperature alarm  | yes / yes |
| Open door alarm                          | yes       |
| Probe failure alarm                      | yes       |
| Low battery alarm                        | yes       |
| Compressor failure alarm                 | yes       |
| Battery backup for alarms (approx. hrs.) | 72        |

## DATA LOGGING & EXTERNAL CONNECTION

|                                                               |     |
|---------------------------------------------------------------|-----|
| Voltage free contact for remote alarm (e.g. GSM alarm module) | yes |
| Electronic data logger                                        | yes |
| RS 485 port                                                   | yes |
| USB port for software update & data download                  | yes |
| Temperature chart recorder                                    | yes |

## DISPLAY FEATURES

|                                               |                         |
|-----------------------------------------------|-------------------------|
| Display type                                  | 4,3" with touch buttons |
| Number of optional reference probes           | 2                       |
| Password protection for turning unit on / off | yes                     |
| Temperature graph on display                  | yes                     |

## OTHER FEATURES

|                                                                |       |
|----------------------------------------------------------------|-------|
| Automatic defrost                                              | yes   |
| Antifreeze function                                            | no    |
| Vacuum release port                                            | no    |
| Access port for external probe etc. (int. diameter mm)         | 12    |
| Light                                                          | yes   |
| Lock with key                                                  | yes   |
| Castors (total pcs) / castors with brake (pcs)                 | 4 / 2 |
| Fixed feet (pcs) / levelling feet (pcs)                        | no    |
| Sub lids / inner doors (pcs)                                   | no    |
| Reversible door(s)                                             | yes   |
| Adjustable drawers (pcs)                                       | 5     |
| Max. no. of adjustable drawers (pcs)                           | 8     |
| Max. load per adjustable drawer (kg)                           | 30    |
| Max. no. of blood bags - by standard no. of adj. drawers (pcs) | 240   |
| Max. no. of blood bags - by max. no. of adj. drawers (pcs)     | 384   |

## REFRIGERATION & CABINET

|                             |                        |
|-----------------------------|------------------------|
| Number of compressors       | 2                      |
| Refrigerant                 | R134a*                 |
| Interior cabinet material   | stainless steel        |
| Exterior cabinet material   | electroalvanized steel |
| Colour (exterior cabinet)   | white                  |
| Foam type                   | polyurethane           |
| VIP vacuum insulated panels | no                     |

## SHIPPING

|                                |            |
|--------------------------------|------------|
| Shipping weight (KG)           | 243        |
| Shipping dimensions WxDxH (cm) | 106x74x220 |
| Shipping volume (m³)           | 1,73       |

\*R134a will be discontinued 2019

## Arctiko A/S

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