

EXCLUSIVE BLOOD BANK REFRIGERATORS

Donations of human blood, whole blood, provide the basis for a wide range of essential, often life-saving, therapies. Their quality and safety must be guaranteed to prevent any transmission of infection or disease.

Agencies, like the Food and Drug Administration (FDA) or EU Declaration of Conformity (CE), are amongst other things charged to guarantee that blood products are safe and effective. They attempt to assure safety by enforcing standards for temperature regulation and alarm systems for storage of blood. It is required that whole blood must be stored at a temperature range between 2 °C and 6 °C to maintain the optimal viability and to prevent bacterial overgrowth.

The goal for blood preservation is to provide viable and functional

blood components for patients requiring blood transfusion.

Vestfrost blood bank refrigerators are designed to fulfil this goal. Our products are specially developed to meet the international standards for blood storage. Features include reliable cold storage environment with glass doors and open drawer design for easy identification and access of blood. The controller provides essential features such as battery backup, temperature monitoring via an integrated data logger with memory, alarms for high/low temperature and power failure.

ISO 9001,
13485, 14001
& 18001 OHSAS
CERTIFIED

BLOOD BANK REFRIGERATORS

Reliable and precise temperatures at all times

The Blood Bank Refrigerators

The Blood Bank Refrigerators 150 and 290 provides reliable and precise temperature for storing blood bags. BBR 290 stores up to 160 blood bags and BBR 150 up to 60.

The optimized air distribution system ensures constant +4°C. Among many useful features the models are equipped with full door handle, integrated battery back-up for power failure alarm and energy saving LED light for clear viewing of stored blood bags. They are made in stainless steel cabinets and the hygienic design makes them easy to keep clean.



BBR 290



BBR 150

BBR 290

Specifications

Temperature Range	2 - 6 °C
Uniformity in performance	2 °C
Refrigerant	R600a
Number of probes	4
Defrost	Yes - automatic
Internal air distribution	Mono airstream
Number of compressors	1
Safety thermostat	No
Noise	dBa 38
Energy consumption	2,3 kWh/24h
Voltage	220 - 240 V
Frequency	50/60 Hz
Plug type	Schuko
Gross volume, litres (cu. ft.)	357(12,6)
Net volume, litres (cu. ft.)	214 (7,5)
Inner Height, mm (inches)	1492 (58,74)
Inner Width, mm (inches)	495 (19,49)
Inner Depth, mm (inches)	443 (17,44)

BBR 150

Specifications

Temperature Range	2 - 6 °C
Uniformity in performance	1,4 °C
Refrigerant	R600a
Number of probes	5
Defrost	Yes - automatic
Internal air distribution	Dual airstream
Number of compressors	1
Safety thermostat	Yes, 2. circuit
Noise	dBa 35
Energy consumption	0,58 kWh/24h
Voltage	220 - 240 V
Frequency	50 Hz
Plug type	Schuko
Gross volume, litres (cu. ft.)	130 (4,6)
Net volume, litres (cu. ft.)	91 (3,2)
Inner Height, mm (inches)	668 (26,3)
Inner Width, mm (inches)	490 (19,3)
Inner Depth, mm (inches)	437 (17,2)

Features

Lock	Yes
LED light	Yes
Porthole	Yes
Contact for remote alarm	Yes
Castors	4
Doors	Glass
Door closure	Yes
Door reversibility	Yes
Probe bottle	Yes

Storage

Drawers	Standard
Drawer material	Stainless steel
Number of drawers (standard)	10
Number of drawers (max)	10
Max loading drawers, kg (lbs)	16
Storage capacity (blood bags)	160

Controller

Type	XW737K
USB connection	Yes
Data connection	MODBUS
Languages	GB/DA/DE/ PL/FR/IT/ES
Logs of data/alarm	35000
High/Low temperature alarm	Yes
Open door alarm	Yes
Probe failure alarm	Yes
Power failure alarm	Yes
Temperature graph	Yes

Optionals

Chart recorder	Yes
Dividers for drawers	Optional

Dimensions and construction

Height, mm (inches)	2060 (81,1)
Width, mm (inches)	597 (23,5)
Depth, mm (inches)	618 (24,3)
Depth incl. doorhandle, mm (inches)	680 (26,7)
Gross weight, kg (lbs)	131,9 (290,79)
Net weight, kg (lbs)	118,8 (261,91)
Material inner cabinet	Stainless steel
Material outer cabinet	PVC coated galvanized steel
Insulation thickness	50 mm
Insulation type	Polyurethane with cyclopentane
Type of packaging	Cardboard with a wooden pallet

Features

Lock	Yes
LED light	Yes
Porthole	Yes
Contact for remote alarm	Yes
Castors	No
Doors	Glass
Door closure	Yes
Door reversibility	Yes

Storage

Drawers	Standard
Drawer material	Stainless steel + ABS
Number of drawers	3
Storage capacity (450 ml blood bags)	60

Controller

Type	XW737K
USB connection	Yes
Data connection	MODBUS
Languages	3 digits
Logs of data/alarm	35000
High/Low temperature alarm	Yes
Open door alarm	Yes
Probe failure alarm	Yes
Power failure alarm	Yes
Temperature graph	No

Optionals

Chart recorder	No
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Dimensions and construction

Height, mm (inches)	830 (32,67)
Width, mm (inches)	599 (23,58)
Depth, mm (inches)	610 (24,0)
Depth incl. doorhandle, mm (inches)	670 (26,37)
Gross weight, kg (lbs)	84,6 (186,5)
Net weight, kg (lbs)	58,4 (128,74)
Material inner cabinet	Stainless steel
Material outer cabinet	PVC coated galvanized steel
Insulation thickness	50 mm
Insulation type	Polyurethane with cyclopentane
Type of packaging	Wooden box