

BioBlood 500



Biostorage you can depend on



BioBlood BR500.
Drawers are optional extras.

The **BioBlood 500** design is customised to meet the special requirements associated with the controlled storage of blood, plasma and blood-related products.

These advanced cabinets have been developed exclusively for blood storage in order to help ensure high, consistent quality at every stage from donor to transfusion. This means uniquely stringent specifications of all the components.

BioBlood cabinets also provide users with an excellent view of the contents. A glass door lets you see at a glance what is inside the cabinet, making checking and access both quicker and easier.

The **BioBlood 500** utilises environmentally responsible HFC-free foam propellants and is available with HFC-free refrigerants.



The BioBlood 500 is available as a refrigerator or freezer in either white or stainless steel finish. All BioBlood models come with selfclosing door. Glassdoor is available for refrigerator.

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Exclusively for markets outside the European Union.

Version 03. Valid from 01.01.23



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Top panel with BioBlood control unit

The MPC unit is specially developed for users of storage cabinets in the BioBlood range. Among its many features are acoustic temperature and door alarms, and a voltage-free contact (NO/NC) for remote alarms. The display can be locked.



Access port

24.5 mm port for ease of access, e.g. sensors for external temperature surveillance.



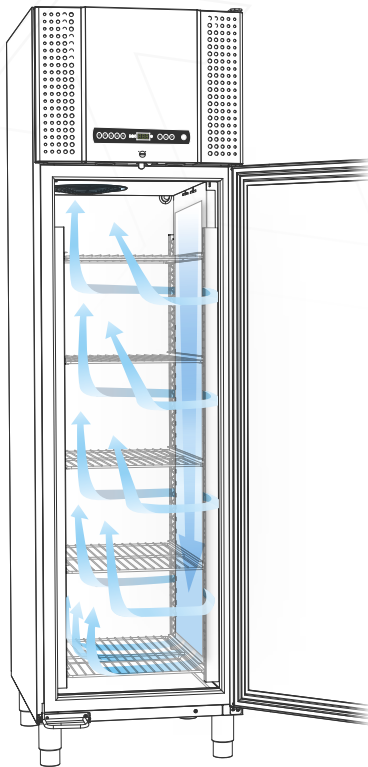
E-sensor

Extra sensor and reference container for providing a temperature reference within the storage compartment.



Shelves and drawers

A wide range of versatile interior fittings and layouts is available. The operating specifications and the interior layout can both be customised.



AIR DISTRIBUTION

The unique Gram BioLine air distribution system makes sure the temperature inside the cabinet remains stable at all times, while using the minimum amount of energy.

Castors and legs

Can be fitted with castors or feet, or mounted on a plinth.



Stainless steel interior

The internal sides and bottom as well as shelf and drawer brackets and support rails are made of stainless steel.

Technical Specifications	BioBlood BR500	BioBlood BF500
Temperature range	+6/+2 °C	-5/-25 °C
Ambient temperature range	Solid door +10/+43 °C - Glass door +10/+38 °C	
Control Unit	Gram Control Unit with internal Gram Monitor, voltage-free contact, E-sensor, acoustic and visual door and temperature alarms that can be programmed individually, alarm recording and calibration function	
Material interior	Stainless steel	
Material exterior	White lacquered steel or stainless steel	
Dimensions mm (W x D x H)	600 x 806 x 2025/2275	
Gross volume	500 litres/17.7 cubic feet	
Net volume	365 litres/12.9 cubic feet	
Net weight	Unpackaged net weight without optional fittings: 130 kg	
Modules for shelves and drawers*	Shelves 52 - Drawers 13	
Insulation	60 mm polyurethane with HFC-free cyclopentane propellant	
Refrigerant	R290	R290
Refrigeration capacity at -10 °C	R290 389 Watt	
Refrigeration capacity at -25 °C		R290 374 Watt
K-value	Solid door 0,31 W/m ² K Glass door 0,46 W/m ² K	Solid door 0,31 W/m ² K
Energy consumption	1.67 kWh/24h	3.83 kWh/24h
Co ₂ e	-	-
Sound level	46.2 dB(A)	48.7 dB(A)
Base	Legs	
Connection	230 V, 50 Hz	
Air system	Gram BioLine ventilated air distribution system	
Defrost system	Automatic smart defrost with re-evaporation of defrost water	