

Öa\á^ Á\} /Öiæ /Óa Ša ^Šæ[!•&@è)\^} /Óa Ó[[áÁ Á}•^!^} Æ@]É

Sê|ç|Ë^!|ã
Ç| Á|æ|æ| Á|Á|F
FÇÇ|Á^!|ã
Ç|} |K| J|Á|D|H|E|Á| |F|E|Á|E|Ç|G
Ç|æ|K|E| J|Á|D|H|E|Á| |F|E|Á|E|Ç|F
^T|æ|K|ç| |O| \æ|ç|E|Á|ã|E|Á|
Ç|ç|!| ^|Á|Ç|ç| |H|ç| , |E|æ|ç|E|Á|ã|E|Á|ç|

The BioBlood 600/660D is available as a refrigerator or freezer in either white or stainless steel finish. The refrigerator is equipped with well-insulated glass door, the freezer with solid door.

Ex II 3G Ex nA nC nL IIB
TÜV 08 ATEX 354663 X



BioBlood 600/660D

The **BioBlood 600/660** design is customised to meet the special requirements associated with the controlled storage of blood, plasma and blood-related products.

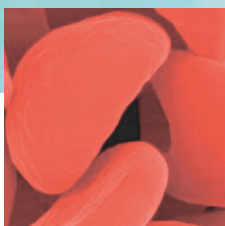
These advanced cabinets have been developed exclusively for blood storage in order to help ensure high, consistent quality at every stage from donor to transfusion. This means uniquely stringent specifications of all the components.

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.

Available in either white or stainless steel finish, with well-insulated glass or solid doors.



BioBlood BR660D.
Drawers and chart recorder are optional extras.



Biostorage you can depend on

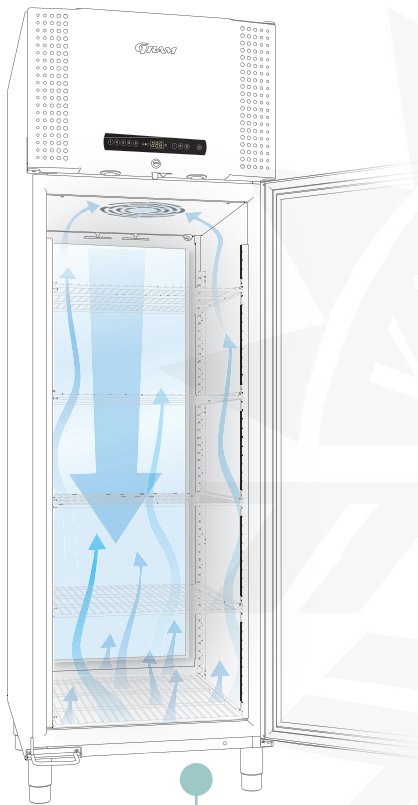
Gram Commercial A/S
Aage Grams Vej 1
DK- 6500 Vojens
Tel: +45 73 20 13 00
Fax: +45 73 20 12 01
info@gram-bioline.com
www.gram-bioline.com

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 for monitoring systems and/or remote alarms. The display can be locked. An integrated Gram monitor, for providing documentation for the internal cabinet, is fitted on the control.



BioBlood 600/660D



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.

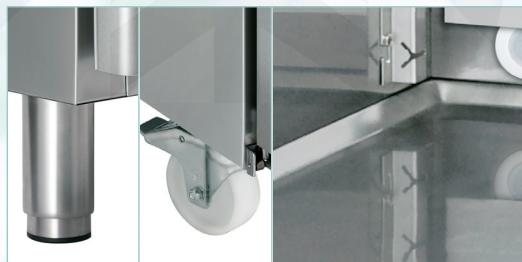
Technical specifications	BioBlood BR600/660D	BioBlood BF600/660D
Temperature range	2/6 °C	-5/-25 °C
Ambient temperature range	10/40 °C	
Control Unit	Gram BioLine MPC 4.6, voltage-free contact, E-sensor, acoustic door and temperature alarms that can be programmed individually, alarm recording, dry cool function (BR) and calibration function.	
Material interior	Stainless steel	
Material exterior	Lacquered steel or stainless steel	
Dimensions mm (W x D x H)	600D: 695 x 876 x 2010* / 660D: 695 x 876 x 2160	
Gross volume	600D: 600 litres/21.2 cubic feet / 660D: 660 litres/23.3 cubic feet	
Net volume	600D: 432 litres/15.3 cubic feet / 660D: 484 litres/17.0 cubic feet	
Modules for shelves and drawers	600D: Shelves 24 - Drawers 12 / 660D: Shelves 27 - Drawers 13	
Insulation (mm)	60 mm (cyclopentane)	
Refrigerant	R290 / R134a	R290 / R404A
Base	Legs**	
Connection	230 V, 50 Hz	
Noise level (DbA)	R290 44.8	R290 49.3
Refrigeration capacity at -10 °C	R290 389 Watt / R134a 314 Watt	
Refrigeration capacity at -25 °C	R290 475 Watt / R404a 568 Watt	
Air system	Ventilated Gram distribution system	
Defrost system	Smart defrost (fan and electric defrost element)	Smart defrost (electric defrost element)

* Available in height less than 2000 mm

** The cabinets can also be delivered with castors or for mounting on a plinth at no extra charge

Air distribution

The unique Gram 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 Stainless steel interior

Can be fitted with castors or feet, or mounted on a plinth. The internal sides and bottom as well as shelf and drawer brackets and support rails are made of stainless steel.

bioline