

BioBlood PF600/660W



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BioBlood PF660W

The BioBlood PF600/660W is available in either white or stainless steel finish. All BioBlood models come with selfclosing door.

The **BioBlood PF600/660W** cabinet is a low temperature plasma freezer that operates in the temperature range $-5/-35^{\circ}\text{C}$. It is a high-capacity ventilated refrigeration unit that makes sure the interior quickly returns to the specified temperature after the door has been opened.

The control unit is a special Gram Multi Purpose Controller with LED display. It features acoustic alarm that provides clear notification if either maximum or minimum permitted temperature is reached. An acoustic door alarm is also fitted. All alarm parameters are set separately. Another embedded feature in the control-unit is voltage-free contact for IT networks, monitoring systems and/or remote alarms. Add to this alarm recording and Hi/Low temperature read-out. E-sensor for temperature reference in the storage compartment is standard.

The **BioBlood PF600/660W** utilises environmentally responsible HFC-free foam propellants and is available with HFC-free refrigerants.

The functional design ensures easy, ergonomically correct access to the storage space.

Exclusively for markets outside the european union.

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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.



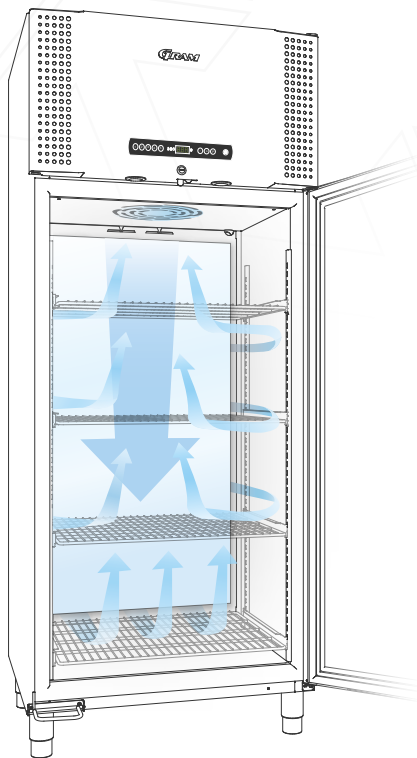
E-sensor

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.



Castors and legs

Castors, legs or plinth-mounting are available as optional extras.

Stainless steel interior

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



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.

Technical specifications	BioBlood PF600/660W
Temperature range	-5/-35 °C
Ambient temperature range	+10/+30 °C
Control Unit	Gram Control Unit voltage-free contact, E-sensor, acoustic and visual door and temperature alarms that can be programmed individually, alarm recording and offset function
Material interior Material exterior	Stainless steel and inner doors in PMMA White lacquered steel or stainless steel
Dimensions mm (W x D x H)	600W: 837 x 756 x 1875/2125 660W: 837 x 756 x 2025/2275
Gross volume	600W: 600 litres/21.2 cubic feet / 660W: 660 litres/23.3 cubic feet
Net volume	600W: 432 litres/15.3 cubic feet / 660W: 484 litres/17.0 cubic feet
Net weight	Unpackaged net weight without optional fittings: 600W 146 kg 660W: 152 kg
Modules for shelves and drawers	600W: Shelves 24 - Drawers 12 660W: Shelves 27 - Drawers 13
Insulation	60 mm polyurethane with HFC-free cyclopentane propellant
Refrigerant	R290/R404A
Refrigeration capacity at -40 °C	R290 244 watt R404A 313 watt
CO ₂ e	R404A: 1412/R404A (dual comp.): 1545
Energy consumption	600W: 8.86 kWh/24h/660W: 9.02 kWh/24h
Sound level	55,3 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