BioPlus EF600/660W

Biostorage you can depend on

BioPlus EF660W.

The **BioPlus EF600/660W** cabinet is a low temperature freezer that operates in the temperature range -5/-35°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 **BioPlus EF600/660W** utilises environmentally responsible HFC-free foam propellants and is available with CFC-free or HFC-free refrigerants.

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

The BioPlus EF600/660W is available as a refrigerator or freezer in either white or stainless steel finish. All BioPlus models come with self-closing door. Glass door is available for refrigerator.

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Designed and manufactured in Denmark since 1901

BioPlus EF600/660W

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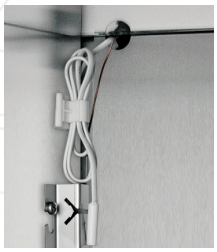
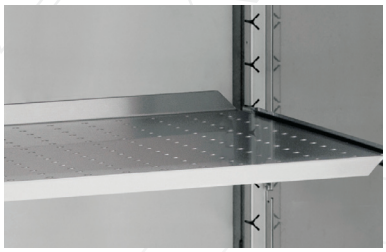
Top panel with BioLine control unit
The MPC unit is specially developed for users of BioLine storage cabinets. Among its many features are acoustic temperature and door alarms, and a voltage-free contact (NO/NC) for remote alarms. The display can be easily locked.

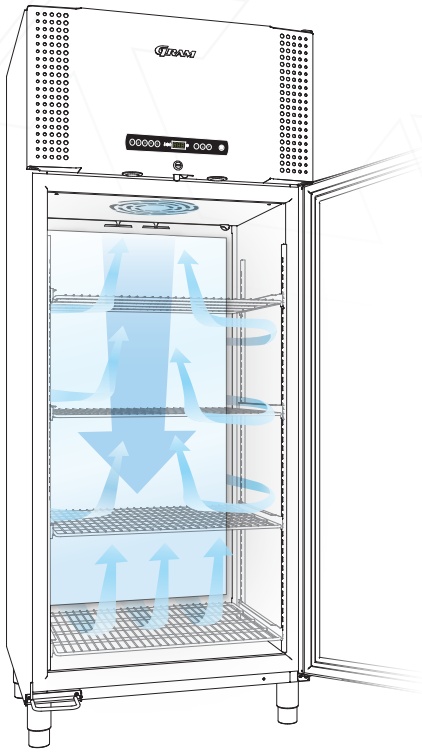
Access port
24.5 mm port for ease of access, e.g. sensors for external temperature surveillance.

E-sensor
Extra sensor 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.





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

ATEX
All BioPlus models comply with ATEX Cat.3 Zone 2 requirements, both internal and externally, allowing for placement in locations where explosive gas atmospheres may be present.

ATEX

Technical specifications	EF600/660W
Temperature range	-5/-35 ºC
Ambient temperature range	10/30 ºC
Control Unit	Gram Control Unit with voltage-free contact, E-sensor, acoustic and visual door and temperature alarms that can be programmed individually, alarm recording and calibration function
Material interior Material exterior	Stainless steel and inner doors in PMMA Lacquered steel or stainless steel
Dimensions mm (W x D x H)	600W: 815 x 756 x 2010* / 660W: 815 x 756 x 2160
Gross volume	600W: 600 litres/21.2 cubic feet / 660W: 660 litres/23.3 cubic feet
Net volume	600W: 432 litres/15.2 cubic feet / 660W: 484 litres/17.1 cubic feet
Net weight	Unpacked 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/prepared for external compressor
CO_2e	R404A:902 / R404A (dual comp.): 1545
Refrigeration capacity at -40 ºC	R290 244 watt; R404A 313 watt
Energy consumption	600W: 8.86 kWh/24h / 660W: 9.02 kWh/24h
Noise level	55,3 dB(A)
Base	Legs**
Connection	230 V, 50 Hz
Air system	BioLine ventilated air distribution system
Defrost system	Automatic smart defrost with re-evaporation of defrost water

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

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