BioBlood PF425

Biostorage you can depend on

BioBlood PF425.
Drawers are optional extras.

The **BioBlood PF425** cabinet is a low temperature plasma freezer that operates in the temperature range -5/-40°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 PF425** 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.

The BioBlood PF425 is available in either white or stainless steel finish.
All models come with selfclosing door.

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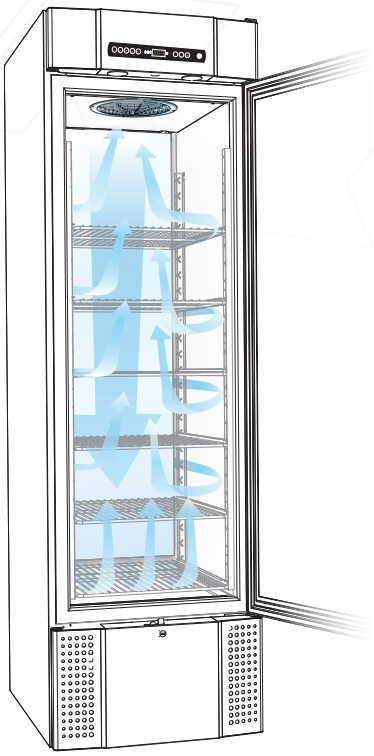
Top panel with BioBlood control unit
The MPC unit is specially developed for users of storage cabinets in the BioBlood range. Among its many features are acoustic temperature and door alarms, and a voltage-free contact (NO/NC) for remote alarms. The display can be locked.

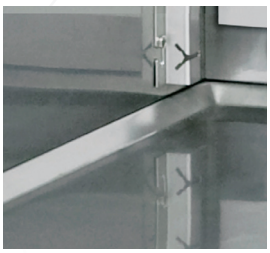
Access port
24.5 mm port for ease of access, e.g. sensors for external temperature surveillance.

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.



Aluminium/stainless steel interior
The interior base, including shelf or drawer brackets and support rails are made of stainless steel.



Technical specifications	BioBlood PF425
Temperature range	-5/-40 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)	622 x 731 x 2000
Gross volume	425 litres/15.0 cubic feet
Net volume	303 litres/10.7 cubic feet
Modules for shelve and drawers	Shelves 25 - Drawers 12
Insulation	60 mm polyurethane with HFC-free cyclopentane propellant
Refrigerant	R290 / R404A
Refrigeration capacity at -40 ºC	R290 396 Watt / R404A 378 Watt
Energy consumption	5.5 kWh/24h
Sound level	57,8 dB(A)
Base	Recessed wheels*
Connection	230 V, 50 Hz
Air system	BioLine ventilated air distribution system
Defrost system	Automatic smart defrost with re-evaporation of defrost water

** The cabinet can also be delivered 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.

bioline

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