

BioCompact II 610



Biostorage you can depend on



Shelves and glass door and foot pedal are optional extras.

The **BioCompact II 610** is a range of economical, environmentally responsible refrigerators and freezers designed specifically for biostorage uses.

The **BioCompact II 610** includes the major features from the top-of-the-range BioLine models, combined with a new refrigeration system. This provides performance that is significantly better than any comparable biomaterial storage cabinet in this price bracket.

The **BioCompact II 610** uses environmentally responsible HFC-free foam propellants and is available with HFC-free refrigerants.

The **BioCompact II 610** provides the largest storage volume within the BioCompact II range. This, combined with its midlevel price point, makes it the ideal choice for the reliable storage of biomaterial under stable conditions – a requirement for which standard commercial or domestic refrigeration cabinets cannot be considered.



The BioCompact II 610 models are available as refrigerator or freezer in either white or stainless steel finish. BioCompact II refrigerators can be equipped with a solid door with lock and self-closing system or glass door with LED light, lock and self-closing system. BioCompact II freezers are equipped with a solid door with lock and self-closing system.

Version 04. valid from 12.11.21

II 3G Ex nA nC nL IIB T6 Gc (RR)
II 3G Ex nA nC nL IIB T2 Gc (RF)
TÜV 10 ATEX 367068 X

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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 connector (NC/NO) 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 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. Ps. The standard BioLine configuration is without any shelves or drawers

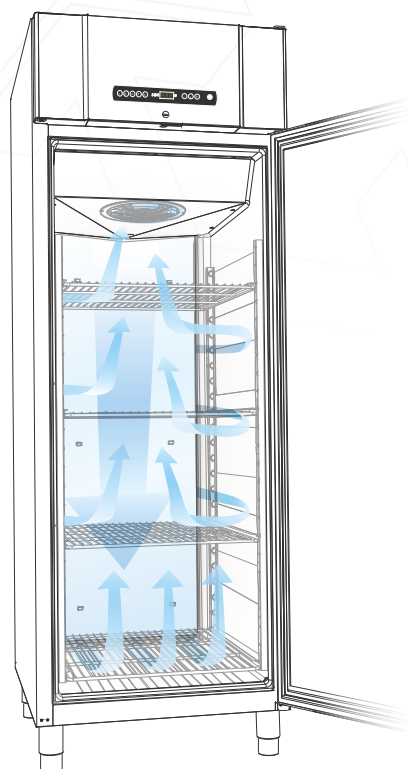


ABS inner lining

The inside has a durable one-piece moulded grey ABS inner lining with rounded corners. The wall rails are made of stainless steel.

ATEX

All BioCompact II 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.



AIR DISTRIBUTION

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

Technical Specifications	BioCompact II RR610	BioCompact II RF610
Temperature range	+20/+2 °C	-5/-25 °C
Ambient temperature range	Solid door +10/+43 °C - Glass door +10/+38 °C	
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 offset function	
Material interior	ABS with wall rails in stainless steel	
Material exterior	White lacquered steel or stainless steel	
Dimensions mm (W x D x H)	695 x 875 x 1875/2075	
Gross volume	583 litres/20,6 cubic feet	
Net volume	419 litres/16,7 cubic feet	
Net weight	Unpackaged net weight without optional fittings: 114 kg	
Modules for shelves and drawers*	Shelves 24 - Drawers 12	
Insulation	60 mm polyurethane with HFC-free cyclopentane propellant	
K-value	Glass door 0.4634 W/m²K	Solid door 0.3118 W/m²K
Refrigerant	R600a or R134a	R290 or R404A
Co ₂ e	R134a: 329	R134a: 863
Refrigeration capacity at -10 °C	R600a 354 Watt / R134a 314 Watt	-
Refrigeration capacity at -25 °C	-	R290 512 Watt / R404a 568 Watt
Energy consumption	1.15 kWh/24h	3.88 kWh/24h
Sound level	44,2 dB(A)	48,6 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	

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