

BioCompact II 310



Biostorage you can depend on



BioCompact II RR310.
Drawers, reference container and glass door
are optional extras.

The **BioCompact II 310** is an intermediate sized refrigerator or freezer cabinet with a small footprint, designed for a wide range of biostorage purposes where the prime focus is on dependability and exceptional performance.

The **BioCompact II 310** provides you with significantly better performance than any other cabinets in this segment, on account of a refrigeration system that does away with cold walls that can damage the contents and a unique air distribution system for storing ordinary biomaterial under consistent, stable conditions.

The design of the **BioCompact II 310** ensures you lots of ways to deal with individual storage needs, thanks to the versatile interior layout and a comprehensive selection of fixtures and fittings. The small footprint of this design also makes it the perfect biostorage unit for use in confined spaces.

The **BioCompact II 310** uses environmentally responsible HFC-free foam propellants and is available with HFC-free refrigerants. Based on decades of specialist know-how, these biostorage units are exceptionally energy-efficient, and are the best performers on the market in relation to Scandinavian standards.

Available in either white or stainless steel finish, with a one-piece moulded PS inner lining. Shelves and drawers are mounted in U-shaped rails moulded into the plastic walls.



The BioCompact II 310 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.

-  II 3G Ex ec nC ic IIB T6 Gc (RR) (R600a)
 -  II 3G Ex ec nC ic IIB T5 Gc (RR) (R134a*)
 -  II 3G Ex ec nC ic IIB T3 Gc (RF) (R600a/R134a*)
- *available outside the EU
DTI 21ATEX0160X

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Version 04. Valid from 18.02.22



Designed and manufactured in Denmark since 1901



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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.



Finned tube evaporator

Using a refrigeration system based on a finned tube evaporator is unique for biostorage products in this segment, and provides unparalleled benefits. The design results in a refrigerated storage space with no cold walls that can damage any delicate items stored in the cabinet. This also makes it possible to ensure even better temperature stability inside the cabinet.



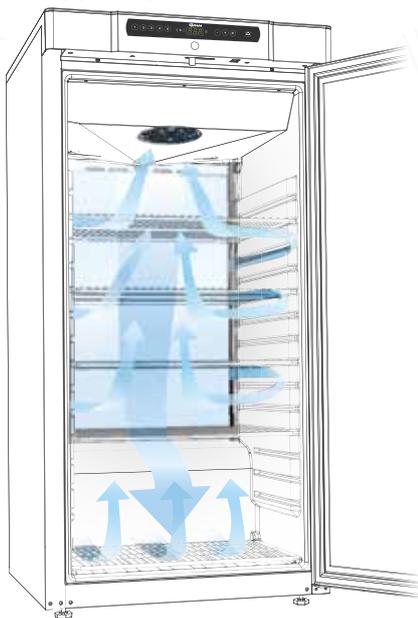
Shelves and drawers

A wide range of versatile interior fittings and layouts is available. The operating specifications and the interior layout can both be customised.



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. With the finned tube evaporator placed in the top, there are no cold walls inside the cabinet.

Technical specifications	BioCompact II RR310	BioCompact II RF310
Temperature range	+20/+2 °C	-5/-25 °C
Ambient temperature range	Solid door +10/+35 °C; glass door (RR) +10/+32 °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	PS lining	
Material exterior	White lacquered steel or stainless steel finish	
Dimensions (W x D x H)	595 x 640 x 1190/1390	
Gross volume	218 litres/7.8 cubic feet	
Net weight	Unpacked net weight without optional fittings: 55 kg	
Net volume	189 litres/6.7 cubic feet	
Modules for shelves and drawers	14 shelves, 7 drawers, 4 wire baskets	
Insulation	50 mm polyurethane with HFC-free cyclopentane propellant	
K-value	Glass door 0.50 W/m ² K	Solid door 0.35 W/m ² K
Refrigerant	R600a or R134a**	
CO ₂ e	136	114
Refrigeration capacity at -10 °C	R600a 154 Watt/R134a 173 Watt	
Refrigeration capacity at -25 °C		R600a 204 Watt/R134a 216 Watt
Energy consumption	0,63 kWh/24h	1,69 kWh/24h
Sound level	35,5 dB(A)	39,6 dB(A)
Base	Wheels/skids*	
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 as optional extras.

** R134a (available outside the European union)