

BioCompact II RR310/RF210



Biostorage you can depend on



Comes in two boxes and must be assembled before use.

The **BioCompact II 310 and 210** 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 and combination of the **BioCompact II 310 and 210** ensures you many ways to deal with individual storage needs, thanks to the versatile interior layout and a comprehensive selection of fixtures and fittings. The combination makes it the perfect biostorage unit. It is designed for a wide range of basic biostorage purposes where the prime focus is on dependability and exceptional performance.

The **BioCompact II 310 and 210** 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 refrigerator is available in either white or stainless steel finish. BioCompact II refrigerators can be equipped with a solid door with lock or glass door with LED light and lock.

The BioCompact II 210 freezer is available in either white or stainless steel finish. BioCompact II freezers are equipped with a solid door with lock.

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DTI 22ATEX0252X

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Version 07. Valid from 05.09.24



Designed and manufactured in Denmark since 1901



BioCompact II RR310/RF210



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Top panel with BioLine control unit

– provides clear notification if either maximum or minimum permitted temperature is reached. A door alarm is also fitted. All alarm parameters are set separately. Alarm recording – and Hi/Low temperature read out. Voltage free contact – for IT networks, monitoring systems and/or remote alarms.



Access port

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



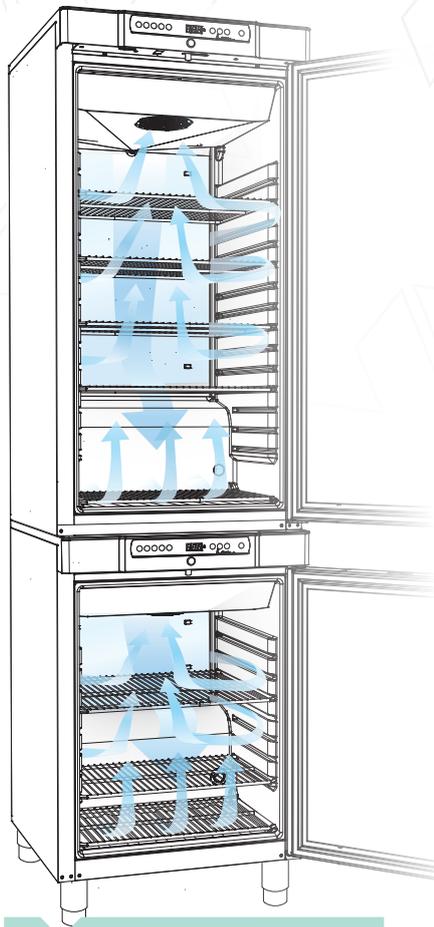
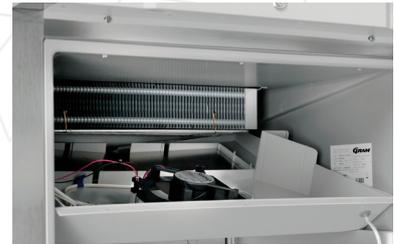
E-sensor

Extra sensor for providing a temperature reference within the storage which is standard on all BioCompact II variants.



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 RF210
Temperature range	+2/+20 °C	-25/-5 °C
Ambient temperature range	RR/RF: Solid door +10/+35 °C; RR glass door +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	
Material Exterior	White lacquered steel or stainless steel finish	
Dimensions mm (W x D x H)	595 x 640 x 1991/2191	
Gross volume	218 litres/7.8 cubic feet	125 litres/4.4 cubic feet
Net volume	189 litres/6.7 cubic feet	104 litres/3.7 cubic feet
Net weight	Unpacked net weight without optional fittings: 101 kg	
Modules for shelves and drawers	Shelves 11x430 mm + 3x300 mm and 4x430 mm + 3x300 mm Drawers 5x 420mm + 2x 300mm und 2x 420mm + 2x 300mm	
Insulation	50 mm polyurethane with HFC-free cyclopentane propellant	
Refrigerant	R600a	
K-value	Solid door 0.35 W/m ² K Glass door 0.50 W/m ² K	Solid door 0.35 W/m ² K
CO ₂ e	-	
Refrigeration capacity at -10 °C	R600a 154 Watt	
Refrigeration capacity at -25 °C		R600a 159 Watt
Energy consumption	Solid door 0.51 kWh/24h Glass door 0.90 kWh/24h	1.47 kWh/24h
Sound level	39,3 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	

* The cabinets can also be delivered with castors at no extra charge