

BioCompact 410



Biostorage you can depend on



BioCompact RR410.

The **BioCompact 410** is a large general purpose refrigerator or freezer cabinet with a small footprint, designed for a wide range of basic biostorage purposes where the prime focus is on dependability and exceptional performance.

The **BioCompact 410** 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 410** 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 410** 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 ABS inner lining. Shelves and drawers are mounted in U-shaped rails moulded into the plastic walls.



The BioCompact 410 models are available as refrigerator or freezer in either white or stainless steel finish. BioCompact refrigerators can be equipped with a solid door with lock or glass door with LED light and lock. BioCompact freezers are equipped with a solid door with lock.

II 3G Ex nA nC nL IIB T6 Gc (RR)
II 3G Ex nA nC nL IIB T4 Gc (RF)
TÜV 10 ATEX 381563 X

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Version 0.3 Valid from 23.10.20



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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 door alarm, 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.



Voltage free contact

Provides a remote alarm in case of power failure or door alarm, with separate delay.



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.

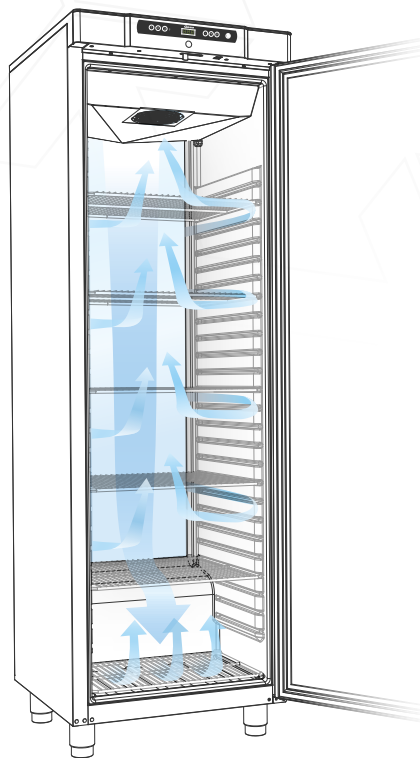


Shelves and drawers

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 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.

Technica specifications	BioCompact RR410	BioCompact RF410
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, acoustic and visual door alarms that can be programmed individually, and offset function	
Material interior	ABS lining	
Material exterior	White lacquered steel or stainless steel finish	
Dimensions mm (W x D x H)	595 x 640 x 1776/1976	
Gross volume	346 litres/12.3 cubic feet	
Net volume	312 litres/11.1 cubic feet	
Net weight	Unpacked net weight without optional fittings: 78 kg	
Modules for shelves and drawers	25 shelves, 13 drawers and 8 wire baskets	
Insulation	50 mm polyurethane with HFC-free cyclopentane propellant	
Refrigerant	R600a or R134a	
K-value	Glass door 0.5168 W/m²K	Solid door 0.3543 W/m²K
Co ₂ e	R134a: 172	R134a: 136
Refrigeration capacity at -10 °C	R600a 207 Watt / R134a 173 Watt	-
Refrigeration capacity at -25 °C	-	R600a 175 Watt / R134a 216 Watt
Energy consumption	0,73 kWh/24h	2,13 kWh/24h
Sound level	35,1 dB(A)	38,6 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 as optional extras.