GRAM

Biostorage you can depend on

The **BioMidi 425** cabinet is designed to meet your biomaterial refrigeration and freezer requirements, with very few limitations.

The specifications include the Gram MPC control unit which has been specially developed for users of BioLine storage cabinets. Decades of experience blended with the best of modern technologies provide a uniquely capable control unit, making the BioMidi range the ideal choice where maintaining stable temperatures is decisive in a purchasing decision.

The **BioMidi 425** 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.

BioMidi 425.
Drawers and glass door are optional extras.

II 3G Ex nA nC nL IIB T5 Gc (RR)
II 3G Ex nA nC nL IIB T3 Gc (RF)
TÜV 08 ATEX 354664 X

The BioMidi 425 is available as a refrigerator or freezer in either white, aluminium or stainless steel finish. All BioMidi models come with selfclosing door. Glassdoor is available for refrigerator.

Version 04. Valid from 19.10.20

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BioMidi 425

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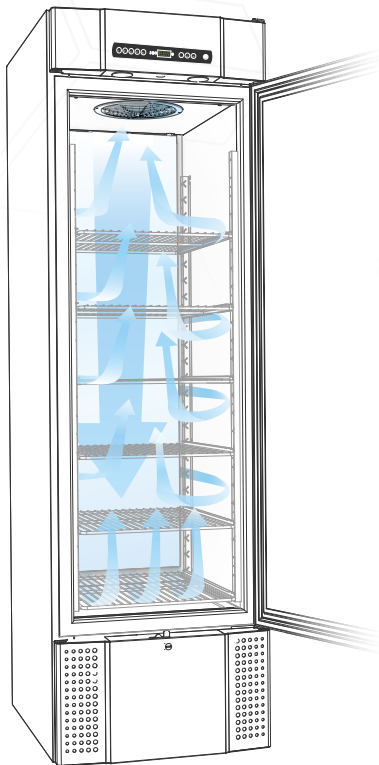
Aluminium / stainless steel interior
The interior base, including shelf or drawer brackets and support rails are made of stainless steel.

ATEX
All BioMidi 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.

ATEX

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

Technical specifications	BioMidi RR425	BioMidi RF425
Temperature range	+20/+2 °C	-5/-25 °C
Ambient temperature range	solid door +10/+43 °C; glass door (RR)+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 Material exterior	Aluminium/stainless steel or stainless steel White lacquered steel or aluminium/stainless steel	
Dimensions mm (W x D x H)	600 x 731 x 1980/2000	
Gross volume	425 litres/15.0 cubic feet	
Net volume	303 litres/10.7 cubic feet	
Net weight	Unpacked net weight without optional fittings: 112 kg	
Modules for shelves and drawers	Shelves 25 - Drawers 12	
Insulation	60 mm polyurethane with HFC-free cyclopentane propellant	
K-Value	Glass door 0.4707 W/m^{2}K	Solid door 0.3147 W/m^{2}K
Refrigerant	R290 / R134a	R290 / **R404A
Co$_2$e	R134a: 293	R134a: 784
Refrigeration capacity at -10 °C	R290 389 Watt / R134a 279 Watt	-
Refrigeration capacity at -25 °C	-	R290 374 Watt / **R404A 424 Watt
Energy consumption	1.27 kWh/24h	3.61 kWh/24h
Sound level	47.2 dB(A)	46.3 dB(A)
Base	Recessed wheels*	
Connection	230 V, 50 Hz	
Air system	Gram BioLine ventilated air distribution system	
Defrost system	Automatic smart defrost with re-evaporation of the defrost water	

The cabinet can also be delivered for mounting on a plinth at no extra charge.

*** R404A Available outside European Union*

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