

BioMidi 425



Biostorage you can depend on



BioMidi 425.
Drawers and glass door are optional extras.



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

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.

 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

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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.



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.



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 | Aluminium/stainless steel or stainless steel | |
| Material exterior | 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/m²K | Solid door 0.3147 W/m²K |
| 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



LABORATORY EQUIPMENT MAINTENANCE, REPAIR, CALIBRATION AND SALES

Established in 1987, Henderson Biomedical is the UK's leading laboratory equipment sales and service provider. Our knowledgeable team can provide you with excellent sales advice on a range of different types of laboratory equipment including centrifuges, refrigerators, freezers and heat sealers.

Henderson Biomedical is also able to provide you with first class after-sales service and calibration of your laboratory equipment. We are an **ISO 17025 (UKAS) accredited calibration test laboratory** and our team of Field Service Engineers cover the whole of the United Kingdom.

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