

BioUltra UL570



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BioUltra UL570 comes with 5 perforated stainless steel shelves.

The BioUltra UL570 is an ultra low temperature freezer that operates safely at -86°C . By utilising high-capacity components, cascade refrigeration system, latest generation VIP-technology and insulated inner doors, the BioUltra is able to maintain safe and stable interior conditions when operating at -86°C .

Customisable layout allows users to adapt the cabinet to storage requirements, 5 stainless steel perforated shelves are included as standard.

BioUltra UL570 holds up to 384 2"/50 mm boxes, 192 3"/75 mm boxes or 192 4"/100 mm boxes.

IQ, OQ documentation for all BioUltra UL570 models are available for download on www.gram-bioline.com.



The BioUltra UL570 is available with right hinged door. All BioUltra UL570 cabinets are equipped with insulated inner doors.

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Insulated inner doors

Efficient inner doors ensure safe operation even with the outer door left ajar. The two independently working inner doors ensure that items can be accessed with least possible affect on the items stored. The inner doors are detachable for easy cleaning and defrosting.



Access port

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



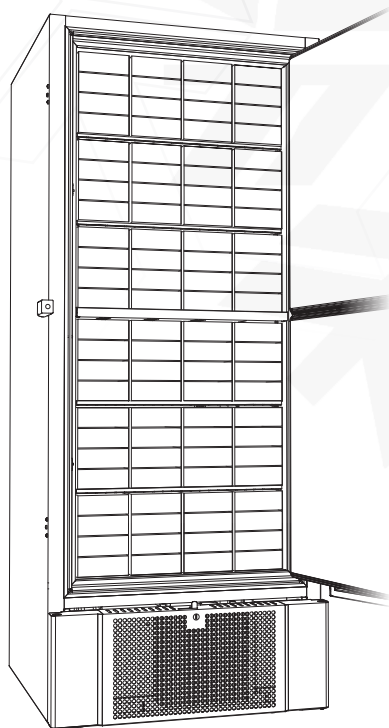
E-sensor

Extra sensor and reference container for providing a temperature reference within the storage compartment.



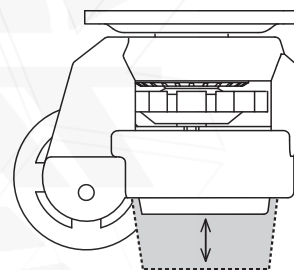
Access to the cabinet

An ergonomically correct and easy to use handle, ensures safe access to the cabinets interior.



Leveling castors

All BioUltra cabinets are equipped with multifunctional leveling castors. These allow for easy positioning, with the added stationary stability of legs once deployed.



CASCADE

The Gram BioLine cascade refrigeration system is specifically designed for ultra low temperature operation. Ensuring high efficiency, performance and durability. Additionally, an access panel makes for easy access to heat exchanger and dry filter.

Technical specifications	BioUltra UL570	
Temperature range	-60/-90 °C	
Ambient temperature range	10/35 °C	
Control Unit	Gram BioLine MPC 4.6, voltage-free contact, E-sensor, acoustic temperature alarms that can be programmed individually, alarm recording, hi/low temperature and calibration function.	
Material exterior	Lacquered steel, inside of doors and bottom panel in stainless steel	
Material interior	Lacquered steel	
External dimensions mm (W x D x H)	856 x 948 x 1986/1996 (min./max. height)	
Gross volume	570 litres/20.1 cubic feet	
Modules for shelves	Adjustable with 12,5 mm increments 5 Stainless steel perforated shelves come as standard	
Rack capacity: 2"/50mm boxes	384 boxes (using 4x4 racks)	38.400 vials (using 4x4 racks)
Rack capacity: 3"/75mm boxes	192 boxes (using 3x4 racks)	19.200 vials (using 3x4 racks)
Rack capacity: 4"/100mm boxes	192 boxes (using 2x4 racks)	19.200 vials (using 2x4 racks)
Insulation	70 mm (HFC and CFC free cyclopentane), Vacuum insulated panels	
Refrigerant	Stage 1: R290 / Stage 2: R170	
Sensors used	PT-1000	
Base	Levelling castors	
Connection	230 V, 50 Hz, 13 Amp	
Energy consumption*	13,5 kWh/24h	

* Measured with empty cabinet, setpoint of -80°C with an ambient temperature of +20°C



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