

# MICROBIOLOGICAL SAFETY CABINETS Class II Type B2

## BMB-II-“Laminar-S”

Code: 231.120

The biological safety cabinet class II type B2 is designed for work with agents of biosafety levels 1, 2 and 3. It provides product, operator and environment protection.

No air recirculation in the cabinet and a 100% filtered air removing to the room exhaust system provide an increased safety level of the cabinet class II type B2.

The cabinet must be connected to an individual active exhaust system with a flow rate of 1135-1205 m<sup>3</sup>/h. The room where the cabinet is installed must have a supply ventilation system with a flow rate of not less than 1000 m<sup>3</sup>/h.



A unique pull out  
UV unit is included  
into the basic  
configuration  
(page 3).

The cabinet has two independent filter-fan units providing air inflow and outflow.

Due to connection with an external exhaust system, the cabinet provides protection from toxic chemical substances and radionuclides.

Using the audible-visible alarm system, the system of monitoring the cabinet operating modes warns the operator about the air flow imbalance in the working chamber.

The optical sensors of the front glass and the UV unit position provide total control of the cabinet operating modes.



# BSC Class II



## MAIN CHARACTERISTICS

Air cleanliness class in the working chamber of the cabinet in terms of concentration of airborne particles (aerosols) according to ISO 14644-1:2015, not less than	5 ISO
Cabinet class according to EN 12469:2000, NSF/ANSI 49	II
Cabinet type according to NSF/ANSI 49	B2
Class of the installed HEPA-filters according to EN 1822-1:2009	H14
Average velocity of the inflow through the work opening, m/s	$0,47 \pm 0,03$
Average downflow velocity in the working chamber, m/s	$0,35 \pm 0,01$
Illuminance level in the working zone, lux, not less than	1000
Air recirculation rate in the cabinet, %	no recirculation

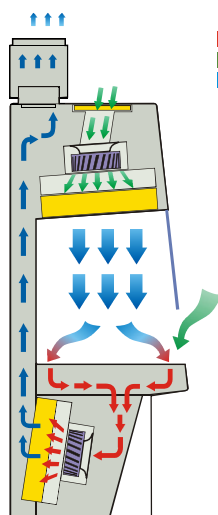
## MAIN PARAMETERS AND DIMENSIONS

<b>BMB-II-"Laminar-S"</b>	<b>231.120</b>
Dimensions of the cabinet with the stand in assembly (WxDxH), mm	1200x810x2325
Dimensions of the working chamber (WxDxH), mm	1105x610x705
Weight of the cabinet with the stand in assembly (net), kg, not more than	270
Power consumption (without the built-in outlets load), W, not more than	720
Total acceptable load on the built-in outlets, W, not more than	1000
Air volume supplied to the working chamber, m <sup>3</sup> /h	795-820

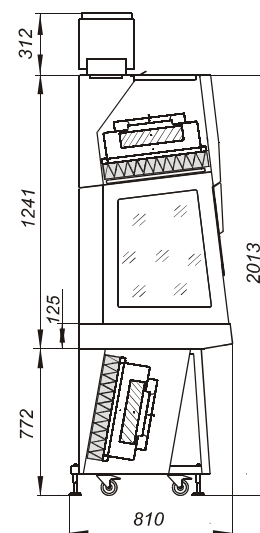
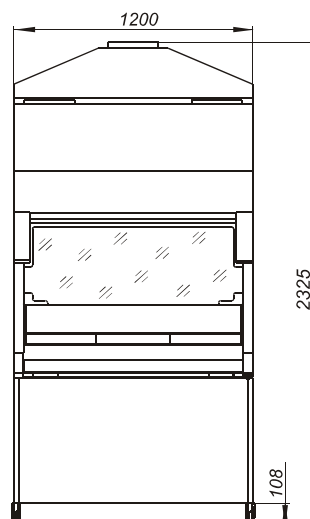
## ADDITIONAL OPTIONS

- Multi-purpose taps
- Extra outlets
- LED lighting of the working chamber

## AIR FLOW SCHEME



- contaminated air
- room air
- clean (filtered) air



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