

MICROBIOLOGICAL SAFETY CABINETS **Class III** **PROTECT**

BMB-III-“Laminar-S”

Microbiological safety cabinet class III PROTECT provides maximum operator protection from the biohazardous aerosols. The cabinet is designed for work with agents of biosafety levels 1, 2, 3 and 4.

The model design allows using those cabinets for work with deadly bacteria and viruses.

If connected to the individual active exhaust system, the cabinet could be used for protection from small amounts of toxic chemical substances and radionuclides.

The system of monitoring with the audible-visible indication system warns operator about the failure of working modes in the cabinet.



1200 mm 1800 mm

The cabinet has a sealed PASS-THROUGH SLUICE GATE made of stainless steel.

PULL OUT SLUICE TABLE TOP makes loading objects into the working chamber easier.

FRONT SASH can be lifted for equipment loading. It is made of laminated safety glass and equipped with two oval glove ports.

REMOVABLE OUTLET UNIT in the working chamber with self-powered shutoff function.

The design of the cabinet allows integrating several cabinets in one line for continuous technological process.

WASTE DISPOSAL SYSTEM can be integrated into the tray of the working chamber.



The cabinet model 1800* mm has 4 glove ports which allow two operators working simultaneously



BSC Class III





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	III
Class of the installed HEPA filters according to EN 1822-1:2009	H14
Prefilter class according to EN779:2002	G4
Minimal negative pressure in the working chamber, Pa, not less than	200
Permanently provided working negative pressure in the working chamber, Pa, not less than	250
Air inflow filtering	two-stage (G4,H14)
Air outflow filtering	two-stage (H14,H14)
Air recirculation rate in the cabinet, %	no recirculation

MAIN PARAMETERS AND DIMENSIONS

BMB-III-"Laminar-S" PROTECT	1200	1800
Article	1E-C.001-12.0	1E-C.001-18.0
Dimensions of the cabinet assembled with the stand (WxDxH), mm	1720x750x1940	2320x750x1920
Dimensions of the working chamber (WxDxH), mm	1140x640x675	1740x640x675
Weight of the cabinet assembled with the stand (net), kg, not more than	350	360
Maximum power consumption (without the built-in outlets load), W, not more than	420	390
Total acceptable load on the built-in outlets, W, not more than	1000	1000
Airflow rate through the supply HEPA filter, m ³ /h, not less than	270-320	400-450
Illuminance level in the working zone, lux, not less than	1500	2000

ADDITIONAL OPTIONS

- A self-contained module for glove integrity testing
- Safe material, object and waste removal system

AIR FLOW SCHEME

