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LAMSYSTEMS

Made in Germany

Bio Safety Cabinet

Lab Equipment Line

생물안전작업대 (BSC)

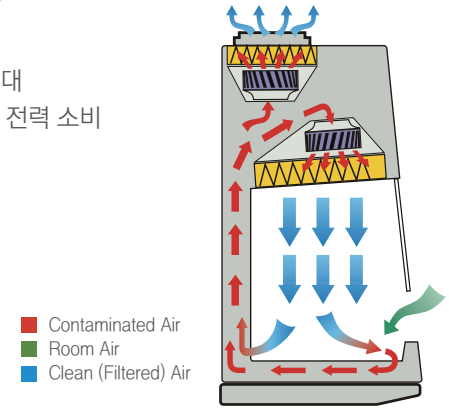
REVODIX
레보딕스(주)

Catalog No. LAB-C21-1

Class II Type A2 SAVVY

베스트 셀러

- 공기를 통해 감염되는 미생물, 바이러스로부터 작업자를 보호하는 동시에 샘플을 외부 오염된 공기로부터 보호
- BSC Class II- 작업자, 샘플, 환경을 모두 보호
- EN 12469:2000 인증
- 비밀번호 사용으로 오작동 방지
- 전면 유리재질로 작업자 시야 확보
- 3중 압축 유리 사용으로 충격 보호
- Gas-spring 및 Hydraulic Damper 사용으로 손쉽게 샤시 개방
- Touch Screen
- 특허 받은 시각 및 청각 알람
- Pullout UV Unit
- 높이 조절 받침대 및 팔 지지대
- 낮은 소음 레벨 47dB과 낮은 전력 소비



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, not less than	ISO 5
Cabinet class according to EN 12469:2000, NSF/ANSI 49	II
Cabinet type according to NSF/ANSI 49	A2
Average downflow velocity in the work chamber, m/s	0,35+0,01
Average velocity of the inflow though the work opening, m/s	0,47±0,03
cabinet's power supply parameters: – voltage, V~ – frequency, Hz	 220-240 50
Air recirculation rate in the cabinet, %	≈ 70
Class of the installed HEPA-filters according to EN 1822-1	H14

Main parameters and dimensions

BMB-II-"Laminar-S" SAVVY	900	1200	1500	1800
Article	1E-B.002-09.0	1E-B.002-12.0	1E-B.002-15.0	1E-B.002-18.0
Dimensions of the cabinet assembled with the stand (WxDxH), mm	1000x770x2095	1200x770x2095	1500x770x2095	1800x770x2095
Dimensions of the working chamber (WxDxH), mm	905x610x750	1105x610x750	1405x610x750	1705x610x750
Clean air inflow volume, m^3/h	656-674	795-817	1008-1036	1210-1245
Air outflow volume, m^3/h	273-309	333-378	426-484	510-580
Maximum power consumption(without the built-in outlets load), W, not more than	110*	112*	142*	220*
Total acceptable load on the built-in outlets, W, not more than	1000	1000	1000	1000
The illuminance level in the working zone (integral value defined over the whole area of the working zone), lux, not more than	2000	2000	2000	2000
Noise level at 1m distance from the cabinet, dBA, not more than	47**	47**	53**	55**

* Power consumption in the operating mode(fans and lighting turned on) with newly installed unclogged HEPA filters

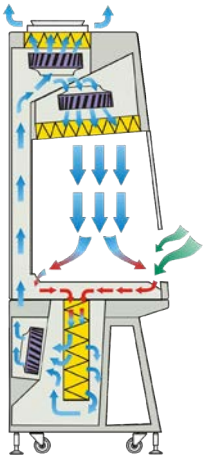
** noise level measured when HEPA filters are newly installed and uncontaminated in a considerable free sound field over the sound reflecting surface(noise level in real-time operating conditions depends on the room size, the cabinet placement, and the background noise level and it can change in the range of 3-4 dB(A)

Class II Type A2 CYTOS

세포독성
물질 전용

- 세포증식억제(Cytostatic), 세포독성(Cytotoxic) 물질을 다룰 때 사용
- 오염으로부터 환경, 작업자, 샘플을 모두 보호
- 캐비닛 하부의 필터로 오염된 공기를 한번 더 걸러주어 청정도를 높임
- 4개의 H14 HEPA 필터
- Quick-removable tray로 실험물질이 흘렸을 시 쉽게 회수 가능
- Table top 아래의 Tray로 캐비닛 내부의 액체 누출을 방지
- Air-flow 불균형 시 시각, 청각적 알림 발생
- Pull-out UV unit
- Stainless Steel AISI 304 재질의 워킹 챔버

Contaminated Air
Room Air
Clean (Filtered) Air



Main Characteristics

Installation work chamber air cleanliness class for suspended particle (aerosol) concentration as per ISO 14644-1 – for particles of 0.5μm and more – for particles of 5.0μm and more	Class 5 ISO M (20; ≥5μm); LSAPC
Cabinet class according to EN 12469-2000, NAF/ANSI 49	II
Description of the cabinet as per DIN 12980:2017-05	Cabinet for cytotoxic substances
Class of the installed HEPA-filters according to EN 1822-1	H14
Average velocity of the inflow through the work opening, m/s	0,47±0,03
Average downflow velocity in the working chamber, m/s	0,35+0,01
Illuminance level in the working zone, lux, not less than	2000
Air recirculation rate in the cabinet, %	≈70

Main parameters and dimensions

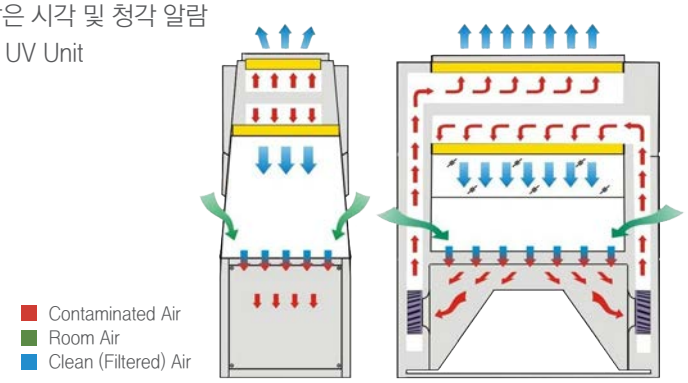
BMB-II-"Laminar-S" CYTOS	
Article	1E-B.005-12.0
Dimensions of the cabinet with the stand in assembly without an exhaust hood* (WxDxH), mm	1200 x 770 x 2095
Dimensions of the cabinet with the stand in assembly with an exhaust hood* (WxDxH), mm	1200 x 770 x 2355
Dimensions of the working chamber (WxDxH), mm	1105 x 610 x 660
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	810/140**
Total acceptable load on the built-in outlets, W not more than	1000
Air volume supplied to the work chamber of the cabinet, m^3/h	795-817
Noise level at 1m distance from the cabinetm dBA, not more than	58***

*dimensions do not account for outstanding supports
**Power consumption with newly installed(uncontaminated) HEPA filters.
***level of noise measured as per DIN EN ISO 11201 in free sound field over the sound-reflecting surface(noise level in real operating environment depends on the dimensions of the operating site as well as and on the total background noise and may vary by 3-4dB(A))

Class II Type A2 VIS-A-VIS

동물실험 전용

- 동물 실험에 특화 된 디자인
- 작업대 양쪽에서 두 명의 작업자가 동시에 사용 가능
- Table top 아래에 설치된 animal's hair catcher
- 공기를 통해 감염되는 미생물, 바이러스로부터 작업자를 보호하는 동시에 샘플을 외부 오염된 공기로부터 보호
- BSC Class II- 작업자, 샘플, 환경을 모두 보호
- Laminar air flow로 교차오염 방지
- Touch Screen
- 특허 받은 시각 및 청각 알람
- Pullout UV Unit



Main Characteristics

Article Air cleanliness class in the working chamber of the cabinet in terms of concentration of airborne particles (aerosols) according to ISO 14644-1-2002, not less than	1E-B.004-12.0 5 ISO
Cabinet class according to EN 12469:2010, NSF/ANSI 49	II
Cabinet type according to NSF/ANSI 49	A2
Class of the installed HEPA-filters according to EN 1822-1:2010	H14
Average velocity of the inflow though the work opening, m/s	0,45±0,03
Average downflow velocity in the working chamber, m/s	0,33±0,01
Illuminance level in the working zone, lux, not less than	2000
Air recirculation rate in the cabinet, %	≈50

Main parameters and dimensions

BMB-II-"Laminar-S" VIS-A-VIS	
Dimensions of the cabinet (WxDxH), mm	1506 x 750 x 1965
Dimensions of the cabinet with the exhaust hood in assembly* (WxDxH), mm	1506 x 750 x 2233
Dimensions of the working chamber (WxDxH), mm	1110 x 665 x 687
Mass of the cabinet, kg, not more than	314
Maximum power consumption (without the built-in outlets load), W, not more than	360/200**
Total acceptable load on the built-in outlets, W, not more than	1000
Air volume supplied to the working chamber, m^3/h	915

* The exhaust hood is not included on the basic configuration of the product
* * The power consumption with newly installed uncontaminated HEPA filters.

REVODIX
레보딕스(주)

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