

Class II Type A2 / B2 Biological Safety Cabinet

Zhichu Biosafety Cabinet can provide the best security protection for products/samples, high efficiency ULPA filter, operator/experimenter and lab environment.



- Using professional-grade wind speed sensor to realize fan automatic speed regulation.
- Real-time wind speed data uploaded to the cloud, traceable.
- Airflow mode: A type Exhaust 30% / Circulated 70%; B type Exhaust: 100%
- 2 pieces high safety and efficiency ULPA filters(option).
- Fan system with maintenance free is stable(Germany EBM fan is optional).
- Low power consumption, shutdown by remote control.

FEATURE

Latest glass touch screen with control



Humanized internal design

Work area is made of 304 stainless steel plate, it is easy to disassemble and clean.



High efficiency ULPA filter

- The filter efficiency reaches 99.9995% for granules above 0.12um.
- ULPA filter can protect samples while meeting Class 1 air cleanliness standards (compliant with ISO14644.1 standard Class 3100 times cleaner than Class 100).
- The external discharge ULPA filter filters the bio-hazardous particles in the operating room air before discharging them into the laboratory environment to protect personnel and the environment.



A2 type roof



B2 type roof



Cleanness

- The yellow warning maintain parts in the non-polluted area are easy to replace and maintain.
- The cabinet front cover can be opened to clean.
- UV sterilization.

German EBM maintenance-free fan system



Maintenance-free centrifugal external rotor fan from German ebm-past company.

Surrounding negative pressure leak-proof design



- Negative pressure can surround all contaminated positive pressure area to prevent leaks caused by damaged filter and failed seal.
- The design makes easily open the front cover to replace parts.

Ergonomic design



The height adjustable host shelf is optional

Accessory List

Item No.	Remark
SD-13	711mm Support shelf (for 1300)
SD-15	711mm Support shelf (for 1500)
SD-18	711mm Support shelf (for 1800)
UV30	30W,254nm UV lamp (for 1500, 1800)
PLUG	Recessed Splash Resistant Power Outlet
	European water port
FLOW	American universal gas interface

Technical Data



Model	1300	1500	1800	
External Dimension(W×D×H)without shelf	1340mm×760mm×1400mm (52.8"×29.9"×55.1")	1645mm×760mm×1400mm (64.8"×29.9"×55.1")	1950mm×760mm×1400mm (76.8"×29.9"×55.1")	
Internal Dimension(W×D×H)	1270mm×608mm×670mm (50"×23.9"×26.4")	1575mm×608mm×670mm (62"×23.9"×26.4")	1880mm×608mm×670mm (74"×23.9"×26.4")	
Airflow Velocity	Inflow	Initial setpoint: >0.50m/s (When airflow is lower than 0.40m/s, the sound and light alarm will start)		
	Downflow	Initial setpoint: >0.35m/s (When airflow fluctuates more than 20% of the nominal value, the sound and light alarm will start)		
Airflow exchange Volume (Air Volume Rated value)	Inflow-A2	356cmh	441cmh	527cmh
	Downflow (70%)-A2	741cmh	919cmh	1096cmh
	Downflow-B2	790cmh	993cmh	1194cmh
	Exhaust(30%)-A2	356cmh	441cmh	527cmh
	Exhaust(100%)-B2	1146cmh	1434cmh	1721cmh
Air Cleanliness Standards In The Work Area	Class I ,ISO14644.1 Class3, FS 209E Class1/M1.5, AS1386 Class1.5, JIS B9920 Class3, BS5295 Class, KS27030.1,2083 and AFNOR X44101 Class M10,000			
Downflow / Exhaust Filter	ULPA Filter , with built-in metal mesh and metal frame, for compliance to EN 1822 and IEST-RP-CC001.3			
Filter Efficiency(%)	ULPA Filter >99.9995% @ above 0.12µm			
Sound Emission(EN12469)*	<59dBA	<59dBA	<60dBA	
Fluorescent Lamp Intensity(NSF49)*	>1190Lux	>1100Lux	>1020Lux	
Cabinet Construction	Main Body	1.5mm cold rolled sheet		
	Sidewall structure	0.8mm 304# stainless steel, stainless steel double-layer negative pressure chamber design		
Power	220-240V / 50Hz			
Rated Power / Current	306W / 1.75A	322W / 1.7A	556W /3.3A	
Net Weight	210 kg (463.0 lbs)	248kg(546.7 lbs)	298kg(656.9 lbs)	
Shipping Weight	260 kg (573.1 lbs)	310kg(683.3 lbs)	350kg(771.5 lbs)	
Shipping Dimension (W×D×H)	1400mm×860mm×1650mm (55.1"×33.9"×65")	1700mm×860mm×1650mm (66.9"×33.9"×65")	2010mm×860mm×1650mm (79.1"×33.9"×65")	
Shipping Volume	2.0 m ³	2.41 m ³	3.0 m ³	

Other lab equipments from Zhichu family

- Shaking Incubator
- CO2/tri-gas incubator
- Laminar Flow Clean Bench
- Ultrasonic Cell Disruptor
- Refrigerated Thermostatic Circulator

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