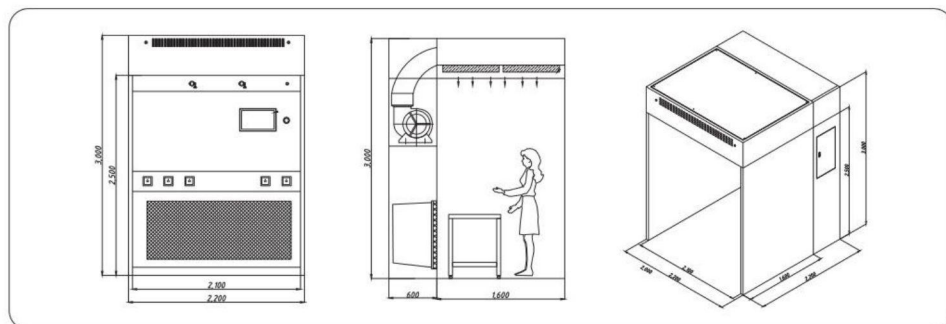


Downflow Booth



Downflow Booth adopts the form of vertical unidirectional flow of gas, the return air should first be pre-filtered through the primary filter to dispose of the large dust particles in the airflow, the pre-treated air, and then through the intermediate filter for secondary filtration, in order to play a full protection of high-efficiency filters, the centrifugal fan provides the pressure, through the high-efficiency filters to meet the clean requirements. The clean airflow is sent to the air supply box, 90% of which passes through the even-flow air supply mesh plate to form even-flow vertical airflow, while 10% passes through the air volume adjustment plate and is discharged from the equipment. All the airflow is processed by high efficiency filter, so the air supply and exhaust are free of residual dust, avoiding secondary pollution. Due to the formation of a stable unidirectional flow in the working area, the dust emitted in this area will be captured by the primary and intermediate filters under the influence of the unidirectional airflow and with the airflow. Downflow Booth with 10% exhaust air, thus forming a negative pressure relative to the external environment, to a certain extent, to ensure that the dust in this area will not spread to the outdoors, play a role in protecting the external environment, the design is in line with the requirements of GMP pharmaceutical companies.

External Dimension	Customizable
Cleanliness class	Grade A
Rated air volume	According to the size
Total power	2KW
Full pressure	500Pa
Average illumination	500LUX
Wind speed	0.45m/s%%P20%
Adjustable speed	Frequency converter (regulating frequency)
HEPA	H14 liquid tank filter
Overall material	SUS304#/SUS316#
Protection object	Drugs, operators, working environment



- This equipment adopts the form of vertical unidirectional flow of gas, the return air should first be pre-filtered through the primary effect filter to dispose of the large dust particles in the airflow, and the pre-treated air will then pass through the intermediate effect filter for secondary filtration in order to play the role of adequately protecting the high-efficiency filter.
- Under the pressure provided by the centrifugal fan, it passes through the high-efficiency filter to meet the clean requirements. The clean airflow is sent to the air supply box, 90% of which passes through the even-flow air supply mesh plate to form even-flow vertical airflow, while 10% passes through the air volume adjustment plate and is discharged out of the equipment. All the airflow is processed by high efficiency filter, so the air supply and exhaust are free of residual dust, avoiding secondary pollution.
- Due to the formation of a stable unidirectional flow in the working area, the dust emitted in this area will be captured by the primary and secondary filters under the influence of the unidirectional airflow and with the airflow.
- Equipment with 10% exhaust air, thus forming a negative pressure relative to the external environment, to a certain extent, to ensure that the dust in the area will not spread to the outdoors, play a role in protecting the external environment.

Note: In addition to the above dimensions, we can accept non-standard customization.

Biosafety Cabinet



The role of biological safety cabinet is to protect the operator, the laboratory environment and experimental materials, when the operator in the original culture, bacteriophage or the use of infectious experimental materials, so that it avoids contact with infectious aerosols or spills. Biosafety cabinet is microbiology, biomedical, genetic recombination, animal experiments and biological products and other essential laboratory equipment, especially the operator needs to take protective measures for the occasion, such as health care, pharmaceuticals, scientific research and other bacterial culture to provide a sterile and dust-free safe working environment.

Scope of Application

Class II Type B2 safety cabinets are safety cabinets with a front window opening, which allows the operator to operate inside the cabinet through the front window opening to protect personnel, products and the environment during operation.

Working Environment

- For indoor use only: Type B2.
- 100% Outside Ambient Temperature: 15°C~35°C °C
- Relative Humidity: ≤ 75%
- Atmospheric pressure range: 75 kPa~106 kPa
- Power supply: 220V 50Hz

Parameters

Parameters	Model	GCC-AQG1100	GCC-AQG1500
Rated Voltage		220VAC	
Rated Frequency		50Hz	
Overall Dimension		1100×750×2250 mm	1500×760×2250 mm
Operation area size		940×600×660 mm	1350×600×660 mm
Rated power		1300 W	1800 W
Total system exhaust air volume		1050 m ³ /h	1270 m ³ /h
Ultraviolet lamp power		30W	40W
Fluorescent lamp power		12W*2 (LED)	16W*2 (LED)
Downward airflow		0.33 m/s	
Inflow airflow		0.53 m/s	
Filtration efficiency		99.99% (0.3um diameter)	
Noise		≤67dB (A)	

Note: In addition to the above dimensions, we can accept non-standard customization.