

**Class II A₂
Biological
Safety Cabinets**



Description:

The latest Class II A2 Biological Safety Cabinets released by ZHICHENG are designed to protect personnel, product and the environment from exposure to biohazards agents of low to moderate risks that require Biosafety Level 1, 2 or 3 containment. The Cabinets provide the following three basic types of protection for work in the life science, clinical and pharmaceutical fields.

- ◆ Personnel protection from biohazards agents inside the cabinet
- ◆ Product protection to avoid contamination during experiment or process
- ◆ Environmental protection from contaminants contained within the cabinet

The Biological Safety Cabinets incorporate a number of features include:

- Built-in sash position alarm that is triggered when the sash is raised above its operating height.
- Room air is drawn into the perforated front grille through a front access opening with carefully maintained inward airflow.
- Approximately 70% of the air recirculates through a supply ULPA filter and 30% exhausts through an exhaust HEPA filter.
- An interlocking alarm system constantly monitors the volume of air exhausted, and number of bars to indicate filter performance. Should the exhaust air volume drop below an acceptable level, an audible and visible alarm triggers, and the blower stops.
- Intrinsically safe negative pressure design captures any contamination, preventing its escape into the laboratory.
- Interlocked UV light only operates when blower and fluorescent light are off and sash is fully closed.
- 10° sloped, tempered safety glass sash for less glare and more comfortable viewing.
- One-piece, crevice-free type SUS304 stainless steel interior minimizes the potential of any leaks.

Model	ZSA-273L1	ZSA-274L1	ZSA-275L1	ZSA-276L1
Category	Class II, Type A ₂			
Airflow Mode	Approximately 70% air recirculated, 30% exhausted			
Nominal Downflow Velocity	0.35m/s			
Nominal Airflow Velocity	0.53m/s			
Sash Opening	200mm (±5mm)			
Sash Opening Control	Manually-controlled			
Supply Filter Type	ULPA			
Filter Efficiency	≥99.999% @ 0.1~0.2µm			
Exhaust Filter Type	HEPA			
Illuminating	800~1100 Lux			
Disinfection	UV Light			
Noise	≤65dB (A)			
Electrical Requirement	220V 50Hz			
Workarea Dimension (mm)	930x635x655	1230x635x655	1540x635x655	1840x635x655
External Dimension (mm)	1070x805x2270	1070x805x2270	1070x805x2270	1070x805x2270
Weight (kg)	205	250	295	350

Biological Safety Cabinets are under CE Approving for the moment. Available date and further features will be renounced later.