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# ZSC-100 AAA

## BIOLOGICAL SAFETY CABINET



## Product Description

ZSC series biological safety cabinets are biological safety isolation equipment used in biological safety laboratories or other laboratories to protect personnel, tested samples and the environment. It can meet the operation of pathogenic body with risk level of 1, 2 and 3.

## Product Features

### High-Quality & Ergonomic Construction

- The box body is made of high-quality SUS304 stainless steel or cold-rolled steel plate, which is easy to clean;
- The exhaust air is filtered by a high-efficiency filter to protect the environment from pollution;

### Energy-efficient

- Class II biological safety cabinet.
- Vertical laminar negative pressure model, return air 30%/100% filtration discharge;

### High security

- Negative pressure design ensures the safety of operators;
- Integrated sliding safety door positioning, easy to operate;
- Equipped with filter blocking alarm, blower overload alarm, working window opening limit alarm system;

Cleanliness level	ISO level 5 (Level 100)
Classification	Class II Type B2
Filter level / filter efficiency	HEPA/ULPA $\geq 99.995 \sim 99.999\%$ @0.3 $\mu\text{m}$
Average flow rate of downdraft(m/s)	0.25~0.40
Average flow rate of inflow air(m/s)	$\geq 0.5$
Sound emission (dBA)	$\leq 67$
Vibration peak ( $\mu\text{m}$ )	$\leq 5$
Electricity	AC single-phase 220V/50Hz
Air balance biological protection	Personnel protection: a.) The total number of colonies in the impact sampler: $\leq 10\text{CFU/time}$ b.) Total colony count of the slot sampler: $\leq 5\text{CFU/time}$ Product protection 1-8CFU/ml (repeat 3 times, 5min/time) total number of colonies: $\leq 5\text{CFU/time}$ Cross contamination protection 1-8CFU/ml (repeat 3 times, 5min/time) total number of colonies: $\leq 5\text{CFU/time}$
Max power (KV·A)	$\leq 1.5$ (Spare socket included)
Weight (Kg)	230/240
Working zone size (W*D*H)	1000*520*640 mm
External dimensions (W*D*H)	1165*760*2200 mm
Fluorescent lamp	20W*2pcs
UV lamp	18W*1pc
Illumination (Lux)	650
Supply and exhaust pipe diameter(mm)	$\Phi 250$
Wind direction	Top in, top out