



**Attention: Before operating BSW-1360 clean booth, user must read this operating manual carefully, please! Keeping the manual for reference.**

## **BSW-1360 Clean Booth**

# **OPERATING MANUAL**

ISO9001: 2000 CERTIFIED

**SUZHOU CLEANING TECH. RESEARCH INSTITUTE**

**BAISHEN TECHNOLOGY (SUZHOU) CO., LTD.**

**Welcome to use BSW-1360 clean booth, thank you warmly entering into our company's consumer team!**

## **1.General**

Along with science and technology's developing rapidly, air clean technology has already been used extensively in production and scientific research department of electron, spaceflight, aviation, precision instrument, apparatus & meter, chemical industry, light industry, medicine and foodstuff.

The Clean booth is a kind of vertical unidirectional airflow cleaning device, It offers great effects on improving technical conditions and raising the accuracy purity and reality of the products. Along with science technical rapidly develop, air clean technology already cover extensively should be used for laboratory, electron technology, aviation and space, precision instrument.

## **2 Technical specifications**

### **2.1 technology parameter**

1) Cleanliness : 100 class (@  $\geq 0.5 \mu m$  FS 209E)

2) Mean falling bacteria :  $\leq 0.5$  piece / culture container. hour (  $\phi$  90mm culture container )

3) Mean flow rate (m/s): 0.3~0.6 (adjustable)

4) Noise level  $\leq 65$ dB (A)

5) Vibration/half peak ( $\mu m$ ) :  $\leq 5 \mu m$

6) Illumination (Lx)  $\geq 300$ Lx

7 ) Maximum power consumption :  $\leq 0.6$  kilowatts

8) Power supply: 220V/50Hz

9) Weight (kg): 100kg

### **2.2 specification and size**

Size & No. of HEPA (mm): 610×610×②

Fluorescent lamp/ ultraviolet lamp: 30W × 2pieces/20W × 1pieces

Model	Operating area (W × D × H)	Device outline (W × D × H)
BSW-1360	13260 × 700 × 1800mm	1480 × 700 × 2150mm

Note: Thick of falter can be selected 50 or 69mm.

### 3 Operating Principle

BSW-1360 belongs to vertical unidirectional airflow, Possess positive and negative press wind channels circular system:

under the usual condition(positive press) After being firstly filtered by the roughing air filter the indoor air is sucked into the static pressure case through variable velocity centrifugal machine. It is secondly filtered by the high efficiency particulate air filter (HEPA) to reach the bench work surface, The cleaning flow through the outlet of the HEPA with a mean and certain crosscut velocity through the operating range takes the dust particles and biological particles away to make an operating range with no bacteria.

### 4.Installation

- 4.1 His device must be installed in the cleaning room (100000class at lowest)
- 4.2 Please confirm that this product's rated voltage, frequency conform to power supply's parameter, prevent electric element and device from damage and lead to fire.
- 4.3 The power cord must be connecting to the socket which is grounded.

### 5.Usage

- 5.1 Turn-on the power supply, open the ultraviolet bacteria-killer lamp, after 30 minutes, close ultraviolet bacteria-killer lamp and open the fluorescent lamp. Then, switch on the flow motor and start operating after 20 minutes, open the fluorescent lamp when operating

5.2 If the working cabin has not been used for a long time, before operating its circle must be cleaned with super vacuum cleaners or other tools, which cannot make fiber. At last bactericidal agent or ultraviolet rays should be used to kill the bacteria.

5.3 Unnecessary things are not allowed to be put on the working table to assure the cleaning flow track in the working range not to be disturbed.

5.4 In the cleaning operating range any obvious action to disturb the flow track is not allowed.

5.5 Operating area's usage temperature can not be more than 60 °C .

## 6.Maintenance

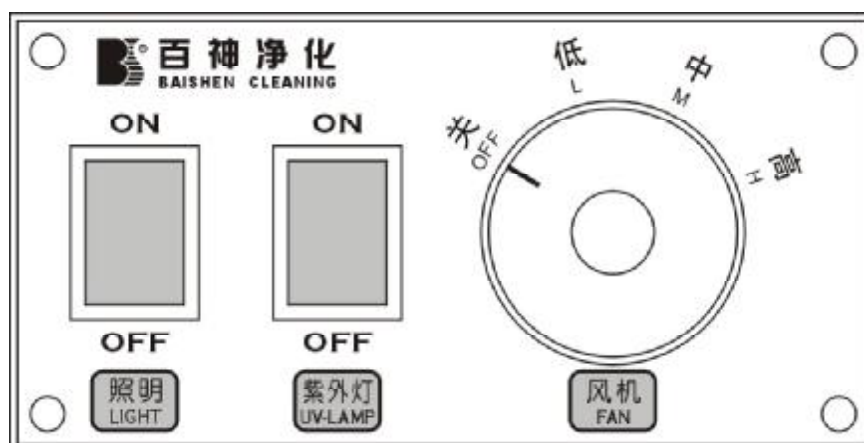
6.1 According to environmental clean extent, the coarse filter cloth should be regularly (generally every 2-3months) cleaned by removing (Dacron non-woven cloth) or replacing.

6.2 it must be replaced HEPA when the high-speed range of fan could not make working area wind speed reach to 0.30m/s,

6.3 when replacing fuse, ensure capacity same as original to avoid fire.

4.when checking and maintenance, please cut off power switch and pull out the power plug.

## 7 Operation panel function illustrate



Remark: if it has dimension deflection, according to upgrade version.

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