

## BSC-1100IB2-X



### Introduction

#### I: Operating Range

1.1 Running conditions 110V~220V / 50Hz ~ 60Hz

1.2 Operating temperature range: 15-35

1.3 Operating humidity range  $\leq 85\%$

#### II Parameter and Function

##### 2.1 Filter

2.1.1 Inflow filter: HEPA filter,

2.1.2 Filter efficiency: 99.999%(0.1-0.2 $\mu\text{m}$ )

2.1.3 Level of exhaust filter: HEPA filter

2.1.4 Exhaust filter efficiency: 99.99%(0.3 $\mu$ m)

2.1.5 Display of negative pressure and filter life: Bar Code

2.1.6 Display of accumulation working hours: VFD

2.1.7 Filter replacement: front of the cabinet

## **2.2 Electric Motor**

2.2.1 Frequency conversion electric machine could make aural and visual alarm by the blockage state of the filter

2.2.2 Automatic adjustment of the rotating speed to keep the wind speed.

## **2.3 Airflow System**

2.3.1 Air Circulation: 0%

2.3.2 Exhaust Air: 100%

2.3.3 Inflow Velocity: 0.65  $\pm$  0.15m/s

2.3.4 Down flow Velocity: 0.37 $\pm$ 0.015m/s

## **2.4 Front Window**

2.4.1 Sensitive Alarm: The height of the front window could adjust at will, when overtop the safety height, it will alarm

2.4.2 Safety Glass: toughened glass, explosive-Proof and prevent UV

2.4.3 Thickness of front panel is more than 5mm

## **2.5 Workroom Interior**

2.5.1 Material: Table-board is made of excellent stainless steel,two flanks and back side are punched into a smooth whole body, more easy to cleaning.

2.5.2 Socket: 2 internal waterproof socket

2.5.3 Lighting >800lux

2.5.4 UV Lamp: Sterilizing by UV lamp, the UV light couldn't turn on when the fluorescent lamp turning on or the front window open

2.5.5 Air Grill: Air will be drawn into the cabinet through the air grill.

2.5.6 Water tight socket: Two single water tight sockets are provided on the sidewall for small devices or equipment used within the cabinet.

2.5.6 Power Socket.

## **2.6 Size**

2.6.1 internal size(w \*d \*h): 970x600x600mm

2.6.2 external size(w \*d \*h) : 1100x800x2200mm

**2.7 Noise:** <65 dB

**2.8 Power:** 0.45Kw

**2.9 Weight:** 180Kg

**2.10 Vibration:** The net displacement is no more than 3 $\mu$ m when the frequency is from 10Hz to 10kHz

**2.11 Stability:** The core part of work surface can stand more than 23kg pressure without permanent distortion.

## **2.12 Biosafety**

2.12.1 Personnel safety: Hammerblow samples  $\leq 10$ CFU/time

Slit samples  $\leq 5$ CUF/time

2.12.2 Product safety: The microorganism germ falls  $\leq 5$ CUF/time

2.12.3 Cross infection safety: The microorganism germ falls  $\leq 2$ CUF/time

## **III Configure**

3.1 Main Unit

3.2 Inflow ULPA

3.3 Exhaust HEPA

3.4 UV lamp

3.5 Light

3.6 Socket

#### **Accessories**

4.1 Water Valve

4.2 Gas Valve

4.3 Vacuum Valve

4.4 Removable Stand

4.5 Remote control

#### **Certificate**

5.1 Class III medical equipment registration certificate issued by SFDA

5.1 ISO9001 ISO14001 ISO13485 CE

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