



**Attention: Before operating BSC Series
Moveable Self-cleaner, user must
read this operating manual carefully
please! Keeping the manual for
reference.**

BSC Series Moveable Self-cleaner

Executing standard: Q/320500BSK 010-2004

OPERATING MANUAL

ISO9001: 2000 CERTIFIED

**SUZHOU CLEANING TECH. RESEARCH INSTITUTE
SUZHOU BAISHEN TECHNOLOGY CO., LTD.**

Welcome to use BSC Series Moveable Self-cleaner , thank you warmly entering into our company's consumer team!

1. General

Air self cleaner is a kind of purifying unit with which we can supply clean air to operating environment, it is a simple indoor clean device, the hang style can proceed indoor air self-circulation, the window type can send constantly purify air to indoor, it is mini-typed clean device which has already been used extensively in hospital, pharmaceutical factory and scientific research department.

2. Operating Environment

2.1 range of temperature :5 °C~35°C

2.2 relative humidity :45%~75%(RH)

2.3 atmospheric pressure:86KPa -106KPa

2.4 cleanliness of operating environment : ≤ 300000 class

2.5 Uses Power supply: operating voltage $380 \pm 11V$, $50Hz \pm 1Hz$ 3

3. Technical Specifications

| Model parameter | | BSC-1000 |
|-----------------------------------|--------------------|--------------------|
| Mean flow rate (m/s) | | $\geq 23m/s$ |
| Noise dB (A) | | ≤ 68 |
| Vibration/Half peak (μm) | | ≤ 5 |
| Power supply | | 3 Φ 380V/50Hz |
| Input(VA) | | 420 |
| Weight (kg) | | 40 |
| Dimensions(mm) | W1: (working zone) | 1000 |
| | D1: (working zone) | 350 |
| | H1: (working zone) | 1700 |
| Size & No. of HEPA(mm) | | 610×610×69×① |
| Size & No. of primary filter(mm) | | 758×420×150×① |

Remark: thick of filter can be selected 50 or 69mm.

4. Operating Principle

4.1 BSC Series Moveable Self-cleaner is a kind of air partly cleaning devices. 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 high efficiency particulate air filter (HEPA). 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 clean area.

5. Structural feature

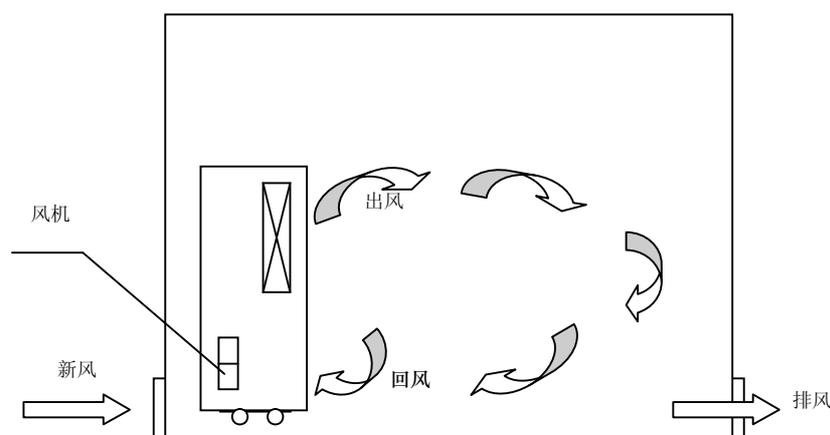
BSC Series Moveable Self-cleaner is made of first-class galvanize steel plate, which is consisted of HEPA filter, primary filter , static pressure case and fan set.

6. Installation

6.1 This device must be installed in the cleaning or sealed air-conditioned buildings. Consider self-cleaner life, we suggest over 0.5 microns dust at workshop should be controlled within 3500 / liter.

6.2 The installing place must be far from the sources of dust and vibration.

6.3 The ground terminal of the power socket must be seriously grounded to ensure the safety of workers.



7. Usage

7.1 In order to guarantee the cleanliness to clean area. The Self-cleaner should be on 15 minutes before operation.

7.2 He clean air blowing crosscut should face to the work area needed purifying and prevent hold up from large articles.

7.3 In order to assure the cleaning flow track in the working range not to be disturbed. In the cleaning operating range any obvious action to disturb the flow track is not allowed.

7.4 According to purifying environment practical cubage and clean requirement, calculate the change air times and self-cleaner numbers at air quantity rate specified by the self-cleaner.

7.5 The mounting position should have proportional spacing. When rebuilding the vertical type clean room.

8. Maintenance.

8.1 According to environmental clean extent, the coarse filter cloth should be regularly (generally every 3-6months) cleaned by removing (non-woven cloth) or replacing.

8.2 the self-cleaner 's cleanliness should be regularly (generally twice per year) checked by the CLJ-03A type dust particle counter, if it is not conform to technology parameter, can regulate work condition of fan, or replace HEPA filter.

8.3 AFTER replacing HEPA filter, REMOVE the press border in the front of the self-cleaner, take out HEPA filter, WHEN changing the new HAPA filter, should pay attention to arrow sign pointed to air movement direction.

8.4 AFTER replacing filter, check leakage by CLJ-03A type dust particle counter, pay attention to sealing for frame and press frame in the front of self-cleaner whether good or not.

8.5 After proceeding system test, we make sure technology specification to reach requirement, we can operate the self-cleaner.

8.6 The electric appliance should be regularly (generally twice per year) checked

Note: the unit uses three phase power supply, three phase power terminal are on the top, i.e. (A, B, C, N),  For earth terminal. after connecting the power supply, if air speed too small, exchange (A, B).

9. Service after sale

The machine is one year maintenance guarantee period, when breakdown, supply spare parts by manufacturer after a years, the cost be received for replacing spare parts.

10. Transportation

Fitting ordinary transport tool, avoid to impact, collision and raid and sunlight insolate directly.

11. Storage

Packed Self-cleaner should put in good ventilation storeroom, its comparative absolute humidity is not more than 85%, surrounding air has not acid, alkaline and causticity gas.

12. Product accessories

| Name | Quantity |
|-----------------------|------------|
| Operation instruction | 1 |
| Operating manual | 1 |
| Fuse | 1 |
| Power wire | 5A 1 piece |

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