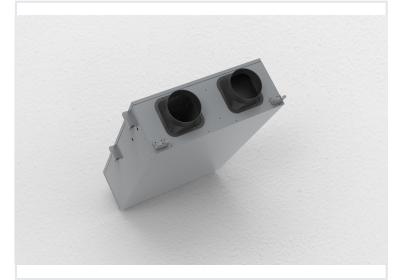
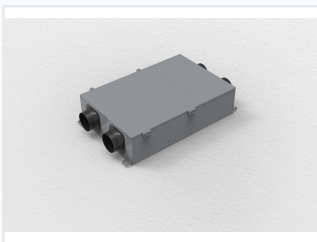


# Bidirectional Air Disinfection Sterilization System

This system is designed for household use, featuring multiple circular air ducts for intake and exhaust. It disinfects and sterilizes air to ensure a healthier indoor environment.



## ADDITIONAL IMAGES



## Overview

### Advanced Bidirectional Air Sterilization

This bidirectional flow disinfection and sterilization system provides a comprehensive solution for indoor air quality, combining fresh air ventilation with internal circulation. It features high-efficiency H13 filtration and optional photo plasma technology to eliminate 99.9% of dust and bacteria. Designed for ceiling installation, it ensures a micro-positive pressure environment while recovering heat to maintain energy efficiency and comfort.

## Key Features

### Core Features

- Bidirectional flow disinfection and sterilization
- Micro positive pressure maintenance
- Full heat recovery with bacteriostatic and flame retardant imported paper
- Intelligent control with automatic operation based on environment
- Optional internal circulation to prevent winter condensation
- Choice of DC or AC motor based on specific requirements

## Technical Specifications

### Model Comparison

Model	Dimensions (H×W×D)	Fresh Air Volume	Power	Noise Level	Application Area
HFSQ-150DH-CNX	940 x 580 x 245 mm	150 m³/h	130W	d48B (A)	60-100j
HFSQ-250DH-CNX	940 x 580 x 245 mm	250 m³/h	230W	d44B (A)	100-170j
HFSQ-350DH-CNX	970 x 620 x 245 mm	350 m³/h	300W	d48B (A)	140-230j

## Performance Metrics

### Filtration Efficiency

**99.9 %**

0.3 $\mu$ m Particle Removal

### Air Volume Range

**100 m<sup>3</sup>/h**

Min Air Volume

**350 m<sup>3</sup>/h**

Max Air Volume

## Installation & Power

### Installation Type

Ceiling Type

### Power Supply

AC220 / 50Hz

## Filtration & Sterilization

### Filter Grade

H13 High-efficiency Filter

### Sterilization Technologies

H13 HEPA, Photo Plasma (Optional), Ozone-Free, Heat Recovery