

# Self-cleaning Transfer Window

The self-cleaning transfer window allows for the transfer of materials and equipment within a Class A environmental environment. Items undergo self-cleaning within the window before entering a higher cleanroom area. The self-cleaning transfer window is equipped with a UV germicidal lamp and can also be equipped with an ozone sterilization system upon request.



## PRODUCT DESCRIPTION

### Working Principle

The dual-door interlock system can reduce cross-contamination.

### Installation Method

Ground installation or wall installation

### Applicable Industries

Microelectronics, scientific laboratories, precision instruments, pharmaceuticals, microbiological research



PAO Injection Port  
& Testing Port



Differential  
Pressure Gauge



Controller

# PRODUCT FEATURES

## 1 Electromagnetic Interlock

Electromagnetic interlocking design to prevent simultaneous opening of doors, effectively blocking cross-contamination while maintaining pressure differentials.

## 2 Integrated Arc Design

The integrated arc design eliminates dead corners, reducing dirt accumulation and facilitating easier cleaning, thus meeting hygiene standards.

## 3 Negative Pressure Design

The double-layer negative pressure design effectively controls airflow, ensuring isolation between the interior and external environment, thus reducing the risk of contamination.

## 4 Different Configurations Available

Multiple design options, such as corner-type, three-door type, and double-layer type, allow for flexible configuration according to various usage needs and scenarios, enhancing adaptability.

## 5 Adjustable Transfer Direction

The adjustable transfer direction and wide range of operational parameter adjustments allow the equipment to adapt to various operational environments and processes, enhancing flexibility.

## 6 Corrosion Resistance

The use of corrosion-resistant materials ensures the stability and durability of the equipment in harsh environments, reducing maintenance costs.

# PRODUCT DETAILS

Size	Customized according to requirements
Cleanliness Level	Class 100 /ISO 5
Filter Efficiency	H14(99.995% @ MPPS)
Noise	≤ 65dB
Wind Speed	0.36-0.54M/S (71-106 FPM )
Power Supply	AC 220V,50HZ
Housing Material	SUS304 stainless steel
Window Material	Double-layer black-edged tempered glass
Interlock Type	Electromagnetic Interlock

# PRODUCT PARAMETERS

INTERNATIONAL STANDARD							
Overall dimensions (L*W*D mm)	Work area size (L*W mm)	Cleanliness grade	Air outlet rated air volume (m/s)	Ultraviolet sterilization lamp (W)	Ozone concentration (ppm)	Noise (dB)	Power (kw)
700*1000*550	500*500*500	100(A)	0.45±20%	8	20-50 According to the configuration	65	0.15
800*1100*650	600*600*600			15			0.15
900*1200*750	700*700*700			15			0.15
U.S STANDARD							
Overall dimensions (L*W*D inch)	Work area size (L*W inch)	Cleanliness grade	Air outlet rated air volume (FPM)	Ultraviolet sterilization lamp (W)	Ozone concentration (ppm)	Noise (dB)	Power (kw)
28*39*22	20*20*20	100(A)	89±20%	8	20-50 According to the configuration	65	0.15
31*43*26	24*24*24			15			0.15
35*47*30	28*28*28			15			0.15

- Other specifications and models can be made according to user needs beyond the table