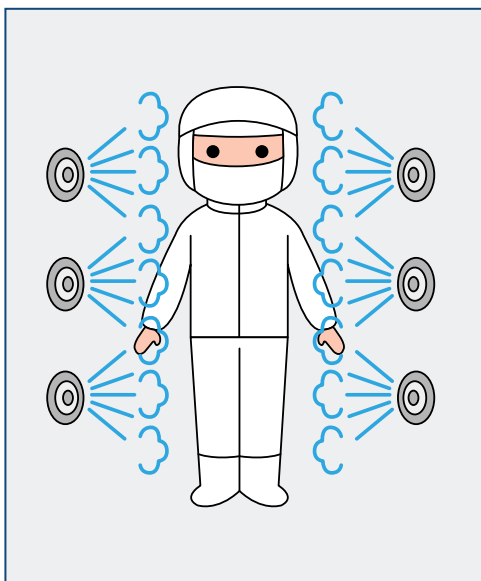


# AIR SHOWER

Clean in Details, Control at Entry



# INTRODUCTION



## Air Shower

Air showers are essential transition units installed between non-clean and clean zones. Prior to entry, all personnel/materials must pass through the air shower, where high-velocity HEPA-filtered air jets remove surface particulates, effectively preventing contaminants from being carried in. Featuring electronically interlocked front and rear doors, these units function as airlocks to reliably isolate unfiltered air and maintain cleanroom environmental quality.

# STRUCTURAL COMPOSITION

## Enclosure Structure



Material: High-quality cold-rolled steel plate (powder-coated) or SUS304 stainless steel plate

Process: CNC shearing, bending, and welding; surface treated with pickling, phosphating, and electrostatic powder coating.

Features: Robust construction, smooth surface, aesthetically pleasing, and durable.

## Door System



Type: Full-glass door with SUS304 stainless steel frame

Configuration: Standard with imported door closer.

Features: Transparent and aesthetically pleasing, with excellent sealing and corrosion resistance.

## Control System



Control method: Electronic interlock system

Interface: LCD display

Sensing method: Infrared photoelectric sensor for automatic air shower activation

Function: Ensures door interlocking and safety protection during the air shower process

## Internal Structure & Air Shower System



Internal material: SUS304 stainless steel liner and base plate

Nozzle configuration: Adjustable multi-angle stainless steel nozzles for optimized airflow coverage

Fan system: Equipped with high-airflow, low-noise centrifugal fans

## Air Shower Passage Design

Type: One-way passage

Activation: Automatically initiates air shower after entering from the non-clean area and closing the door

Safety: Prevents unauthorized entry into the clean area without air shower



# DATA SHEET

Model	JASZJ-1A	JASZJ-1B	JASZJ-2B	JASZJ-LS
Filtration efficiency	≥99.9%@ 0.5μm			
Number of nozzles	6	12	18	24
Airflow	1000	2000	3000	4000
Power supply	AC 380V 3Φ,50Hz			
Weight	300	500	600	900
Max. power consumption	0.55 kW	1.1 kW	1.1 kW	1.5 kW
Enclosure	304 stainless steel or premium steel plate with baked paint finish			
Base Frame	SUS304 stainless steel			
External dimensions ( W × D × H ) mm	1200 × 1000 × 2100	1500 × 1000 × 2100	1400 × 1500 × 2100	2100 × 2000 × 2100
Passage dimensions ( W × D × H ) mm	800 × 900 × 1950	800 × 900 × 1950	800 × 1400 × 1950	1500 × 1900 × 1950
HEPA filter specifications and quantity	484 × 600 × 50 × 1	484 × 600 × 50 × 2	820 × 600 × 50 × 2	600 × 600 × 50 × 4
Fluorescent lamp specifications and quantity	12 W × 1 LED	12 W × 1 LED	12 W × 2LED	12 W × 2 LED
Number of users	Single-person, single-side blowing	Single-person, double-side blowing	Double-person, double-side blowing	Cargo air shower

# OPTIONAL ACCESSORIES



Voice prompt system



Lighting system



Ultraviolet sterilization lamp



Anti-static device



Access control card reader system

# TESTING INSTRUMENT



**Dust particle counter**



**Insulation resistance meter**

500 V, 0 M $\Omega$ -500 M $\Omega$



**Thermal anemometer**

With accuracy  $\pm 5\%$



**Illuminance meter**

With a recommended measuring range of 0 lx - 1000 lx



**Leakage current tester**

With a recommended measuring range of 0 mA - 20 mA and accuracy  $< \pm 5\%$



**Sound level meter**

With a recommended measuring range of 40 dB(A) - 100 dB(A)



**Dielectric withstand tester**

With an output of 50 Hz, 1500 V (sinusoidal), and duration adjustable from 1 s to 60 s



**Ground resistance tester**

With a recommended measuring range of 0  $\Omega$  - 0.25  $\Omega$  and accuracy  $\pm 1\%$

# PureFlow

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