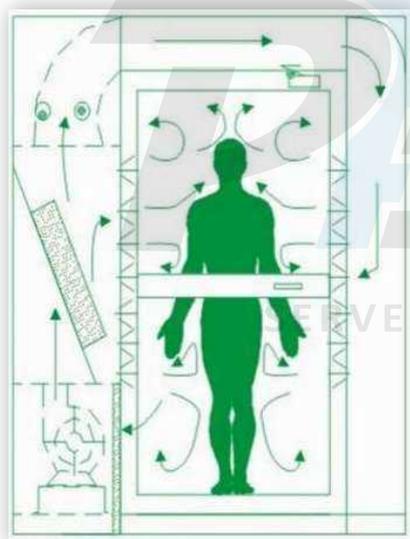


## AIR SHOWER



An air shower is a self-contained decontamination system installed at the entry/exit of cleanrooms and controlled environments. It uses high-velocity filtered air jets to remove dust, lint, and other contaminants from personnel or materials before entering clean areas.

### KEY FEATURES

#### Structural Features

- **Modular Design** – Easy to install, relocate, or expand.
- **Durable Construction** – Stainless steel or powder coated MS body for long life.
- **Interlocking Doors** – Prevents both doors from opening simultaneously, avoiding contamination.
- **Transparent Viewing Windows** – For monitoring inside activity.

#### Air Handling Features

- **High-Velocity Air Jets** – 18–30 m/s to effectively dislodge dust/particles.
- **Adjustable Nozzles** – Multi-angle air nozzles for full body coverage.
- **HEPA/ULPA Filters** – Ensures removal of 99.97% particles  $\geq 0.3$  microns.
- **Pre-Filters** – Captures larger particles, extending HEPA life.
- **Automatic Air Shower Cycle** 0–60 seconds programmable.

#### Control & Safety Features

- **PLC / Microprocessor Control System** – For precise cycle timing and monitoring.
- **LED Display / Indicators** – Shows operation status and cycle time.
- **Emergency Stop Button** – For safety and quick exit.
- **Magnetic Interlocking** – Ensures one-door-at-a time operation.

## USER-FRIENDLY FEATURES

- **Hands-Free Operation** – Automatic sensors for entry/exit.
- **Low Noise & Vibration** – Quiet operation for comfort.
- **Energy-Efficient Motor Blowers** – Reduces power consumption.

## APPLICATIONS

- Pharmaceutical industries
- Biotechnology labs
- Microelectronics & semiconductor manufacturing
- Food & beverage production
- Research facilities
- Aerospace & defense cleanrooms

## AVAILABLE SIZES

MODEL	INTERNAL SIZE (WxDxH) mm	EXTERNAL SIZE (WxDxH) mm	CAPACITY
PTE-AS-800 A	900 X 1000 X 2000	1400 X 1100 X 2150	1-2 Person
PTE-AS-800 B	900 X 1500 X 2000	1400 X 1600 X 2150	2-3 Person
PTE-AS-800 C	900 X 2000 X 2000	1400 X 2100 X 2150	3-4 Person
PTE-AS-800 D	900 X 2500 X 2000	1400 X 2600 X 2150	4-5 Person
PTE-AS-800 E	900 X 3000 X 2000	1400 X 3100 X 2150	5-6 person
PTE-AS-800 F	900 X 3500 X 2000	1400 X 3600 X 2150	6-7 person
PTE-AS-800 G	900 X 4000 X 2000	1400 X 4100 X 2150	7-8 Person
PTE-AS-800 H	900 X 4500 X 2000	1400 X 4600 X 2150	8-9 Person

## OPTIONAL ADD ONS

- L Shaped, Z shaped or any other shapes for air shower are available
- Air tunnels are also available
- Biometric Device
- Double door
- Customization Sizes on request are available