





AIR SHOWER

Air Shower is designed to supply Class 100 HEPA Filter air at high velocity it helps remove matter from personnel entering into the clean room. Air Shower works as partial clean equipment install at the position between the clean room and non-rooms to shower the personnel the matter before entering the clean area. This unit helps to remove dust effectively and and maintain the normal working status. Air Shower is available in various standard dimension also our client can be custom engineered to it any size.

These units are available in Powder Coated Mild Steel /SS 304 & Combined of Mild Steel & SS 304.



SS AIR SHOWER



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Description - AIR SHOWER
MOC SS304, 316, 316L

HEPA Filter	Imported Minipleat HEPA Filter with hot melt technology which conforms to EU-14 Grade at supply position with an efficiency rating better than 99.997% for 0.3 micron
Pre - Filter	Pre-Filter are made from Non-Woven synthetic with HDPE mesh conforms to EU-06 Grade, with an efficiency rating better than 95% down to 5 micron
Pressure Gauge	Magnehelic Gauge (0-25mmwc: 1No.) to monitor pressure drop across HEPA Filter
Lighting	LED Light with Milky White Acrylic Sheet (250 Lux) at work surface
ON/OFF Switch	Keypad ON/OFF Switch Manual for Motor Blower, LED Light & UV Light
Door	SS 304 Doors Puffing with double Walled Flushed Toughened Glass View Pannels and Door Closers
Operation Mode	Automatic as well as Manual Mode
Fresh Air Filter	Fresh Air Filter are from Non-Woven Synthetic with HDPE mesh; Conforms to EU4 Grade, with an efficiency rating better than 90% down to 5 Micron



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DOP Port	DOP test port at upstream of HEPA Filter integrity test. (With PAO Solution)
Noise Level	Less than 67dB on scale 'A' when Ambient is greater than 55dB on scale 'A'
Electrical Supply	230V AC 1-Ø 50 HZ/415V AC 3-Ø 50HZ
Vibration Level	Minimum
Control System	Interlocking System to ensure that both the doors can not open at the same time & to ensure that both doors stay locked during the time of air flow
Motor Blower Assembly	Motor Blower designed of statically” and dynamically balanced for supply of sufficient capacity and static pressure to take care of air flow requiremnt for entire life of HEPA
Emergency Operation	Emergency stop will be provided



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Time Setting for Air Shower	Time Setting for Air Shower Operation Time (set table for 30 seconds to 5 minutes)
Door Opening	Straight Entry, Straight Exit and 90 Degree Door Opening.



Optional Accessories

1. Audio Visual Alarm indicating condition of HEPA Filters.
2. Clean down time with operation hold indicator.
3. VFD based control system.
4. Photohelic Gauge / Digital Pressure Gauge to monitor of pressure drop across filter.
5. Flame Proof fitting.

Documentation

All necessary documents will be provided as per the latest prevailing standards.

