

DESCRIPTION

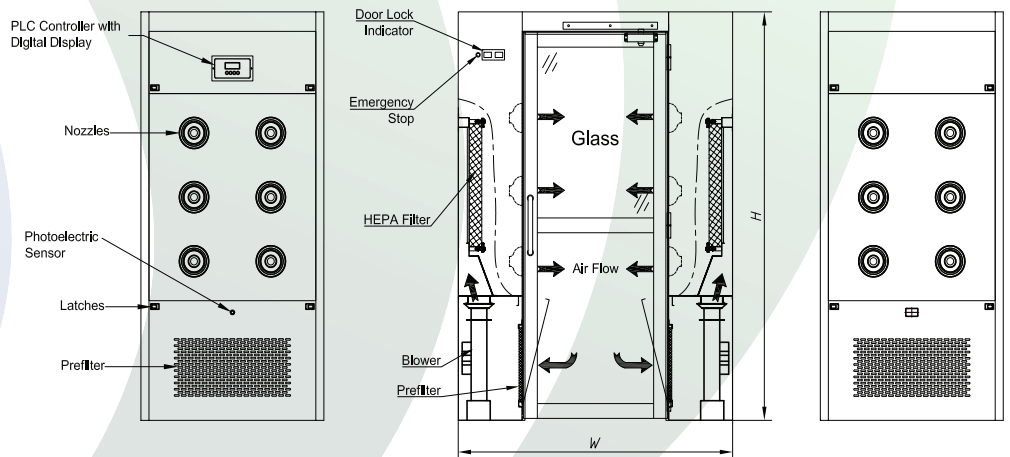
Air shower is specialized enclosed antechambers which are incorporated as entryways of cleanrooms and other controlled environments to reduce particle contamination. Air showers utilize high-pressure, HEPA or ULPA filtered air to remove dust, fibrous lint and other contaminants from personnel or goods surfaces efficiently. The forceful “cleansing” of surfaces prior to entering clean environments reduces the number of airborne particulates introduced.

When properly incorporated into cleanroom design, air showers provide an ISO-classified transition vestibule to ensure the cleanliness of the classified cleanroom . Air shower is typically placed between a gowning area and cleanroom; after production workers don't appropriate garb and personal protective equipment, they enter the air shower so that the pressurized filtered air nozzles remove any residual particles from coveralls. Once the program cycle is complete, users exit out through a second door and enter into the cleanroom. Air shower may also be installed between two cleanrooms of different ISO classifications.

AIR SHOWER



AIR SHOWER SCHEMATIC DIAGRAM



AIR SHOWER SPECIFICATIONS

Model	VAS-1D-1000	VAS-1D-2000
OD: (W x D x H mm)	2000 x 1000 x 2100	2000 x 2000 x 2100
ID: (W x D x H mm)	1300 x 912 x 2000	1300 x 1912 x 2000
Air velocity, (m/s)	15 - 25	15 - 25
No. of nozzles	12	24
Air shower cycle, (s)	Default 15s, adjustable from 10 – 99s	
No. of blowers	2	4
Material of casing	SS304 1.2mm, Cold Rolled 1.2mm c/w epoxy powder coat white.	
Material and quantity of door	Aluminium with half glass door, single swing door	
Interlock of door	The door is locked and controlled by PLC controller board.	
Power supply	240VAC / 1PH / 50Hz	415VAC / 3PH / 50Hz
Power consumption, (kW)	1.20	2.40
Capacity of person	1-2	3-4
Weight, (kg)	360	500