

Air Shower



Air Showers are self contained chambers installed at entrances to clean rooms and other controlled environments. They minimize particulate matter entering or exiting the clean space. Personnel and materials entering or exiting the controlled environment are "scrubbed" by high velocity HEPA-filtered air jets with velocities of 20-22m/s (5500-6000fpm). Contaminated air is then drawn through the base within the unit, filtered and recirculated.

Material of Construction: All Air Showers are available in the following materials of construction depending upon customer's choice.

- Wooden with laminated finish sheet
- G.I. with Powder Coated finish
- Fully Stainless Steel with satin finish (Gr-304 / Gr-316)

SPECIFICATIONS – FEATURES OF AIR SHOWER:

- Filter- HEPA (High Efficiency Particulate Air) type, PSL challenged, zero probed. Minimum efficiency of 99.99% at 0.3 microns. HEPA filter mounted on exit side of shower in top section.
- Prefilter - Bonded polyfiber media minimizes surface-loading. Low wall return to HEPA filter at top unit. Quick release grille.
- Airflow -Air velocity at nozzle is minimum 6000FPM. 360 degree adjustable air nozzles
- Motor/blower compartment has hinged access panels. Return air plenums are painted.
- Door interlocks operate on magnetic system.
- Anodized aluminum doors with clear toughened glass windows. 5-30 second adjustable operation.
- Electrical & Power Requirements - 230V or 415V, 3 Ph. - Junction box on side & bottom for power supply.
- Motor/Blower Assembly - High efficiency motors to reduce electrical load. Motors thermally protected. – Motors / Blowers are selected to maintain constant required airflow rate up to twice the initial static pressure.
- Lighting -Recessed 2 pin fluorescent lighting. 30w.
- Controls - Shower operation controlled with Emergency off / button with audible alarm installed inside shower. Built-in relays from motors, locks and timers. Sequential operation

Model	ATS-AS-900	ATS-AS-1200	ATS-AS-1500
Working Area	3' x 3'x 6.5'	4' x 3' x 6.5'	5' x 3' x6.5'
Material of Construction	Wooden	Wooden	Wooden
Material of Construction	GI with Powder Coated	GI with Powder Coated	GI with Powder Coated
Materials of Construction	SS with satin finish GR-304/316	SS with satin finish GR-304/316	SS with satin finish GR-304/316

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