



Air Jacketed CO2 Incubator



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ACMAS Technologies Inc.

CE An ISO 9001:2000 Company

Air Shower



OBROMAX™ with its laborious and consistent planning is among the leading manufacturers of laboratory and research based scientific equipment. OBROMAX™ has developed a wide range of high quality scientific and laboratory equipment by using latest and modern technologies. OBROMAX™ with its technical knowledge and modern technologies like computer and Ethernet connectivity also provides GMP/GLP compliant systems with complete documentation if required. Further customization is also possible as per customer's requirement.

Salient features:

- Customer satisfaction is priority
- Modern technologies
- Complete Documentation (as per requirement)
- Customizable
- GMP/GLP compliant systems
- Post sale services
- Discount & Warranty Policies

OBROMAX Air showers being a source of controlled environment enhances performance of a laboratory or a clean room by removing surface contamination or decontaminating the Clothing of personnel working.

Our air showers are fully self contained unit and fully equipped to provide complete decontamination solutions to the laboratory or a clean room or manufacturing area from personnel entering the working space.

Air Showers are used for cleaning working gowned personnel before entering a clean environment; they can also be used to remove particulates as workers leave hazardous work areas before going out into the general public, or preventing cross contamination when moving from one work space into another depending on one way or two way Air Shower.

Some applications are:

- Parma laboratory for drugs production,
- Basic And Applied Science Research Laboratories
- Electronics or Micro-Electronic Fabrications and manufacturing unit
- Semi-Conductor Production Lines
- Life sciences
- Aerospace industries

Construction:

- Made up of epoxy powder coated Mild steel or SS 304 or SS 316 (as per requirement)
- Anodised Aluminium doors with clear acrylic windows
- Provided with the blower bearing ISI mark on its motor.
- Centrifugal lubricated bearing type ISI marked assembly
- Fitted with fully washable synthetic pre-filter and HEPA filters made up of mini pleated non woven fabric having efficiency better than 99.99% at cold DOP and 99.97% at hot DOP.
- Adjustable air nozzles

Air shower Filtration system:

- Air is forced by the ISI marked blower through HEPA filter
- Filtered air is ejected through nozzles at high velocities into the chamber and disperses all particulate matter on all surfaces.
- Dispersed particulate matters migrate with the air stream towards the lower areas in the air shower chamber. Air enters the blower supply plenum through pre-filter installed at the base of the chamber.
- The air is continuously filtered and re-circulated.
- It is a self contained device and does not exchange air with the environment.

Operating Features

- Programmable operating modes
- Solid state programmable microprocessor based controls for various operating parameters
- Floor matting operated switch for sequential operation of the air shower
- Emergency buttons on both sides of the air shower to prevent accidental lock-outs
- Indicator lights on both sides of the air shower for regulation of traffic within the cubicle
- Interlocked doors minimize any chances of contamination
- Door interlocks operate on the magnetic system
- Hinged motor/blower compartment access panels made of coated aluminium
- Tamper proof junction box, placed on top
- Emergency switch off button with audible alarm located within the shower cubicle

Technical Specifications

Pre Filter	Washable pre-filter unit (Non-Woven Synthetic Polyester)
HEPA Filters	Glass pleated non woven fabric filter with around 99.99% filtration efficient for removing 0.3 microns sized particles
Operation Time (Adjustable)	0-9,990 seconds
Face velocity	6000 ft./min + 20 feet
Air Flow Control	Solid State Control Unit
Illumination	Top mounted fluorescent 800 lux
Noise level	>60 dB
Add on features	Sequential feature operation by door mat magnetic switch.
Power Requirements	500 watts - 950 watts (Model specific)
Nominal voltage	220-230 Volts, 50 Hz Single
Air flow	Multidirectional

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