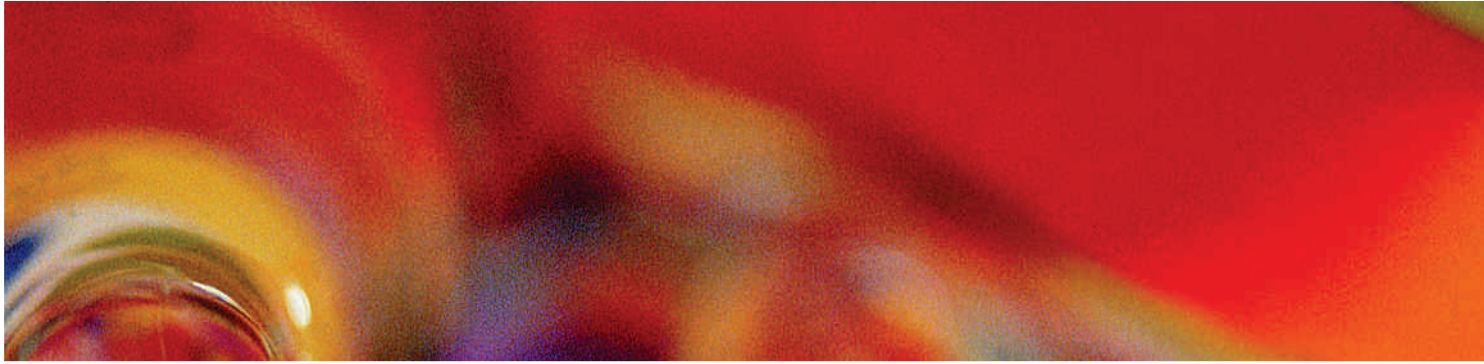




# PERSONNEL AIR SHOWER

(BOTH SIDES FLOW)

MODEL NO. - ACM-PAS-45211



## PERSONNEL AIR SHOWER

### BOTH SIDES FLOW

The **Air Showers (personnel)** from Weiber are fully self contained units, designed to provide complete decontamination solutions for various clean room applications. They are ideally installed at the entrance of a clean room or controlled environment chamber to minimize the entry of dust and particulate matters inside the clean room via the clothes and skin surfaces of the personnel. Our air showers feature programmable operating modes for flexible application and microprocessor based controller for precise supervision of the operating parameters. They use highly efficient pre-filters and HEPA filters for maintaining highly sterile working environments and an integrated fan/blower assembly to provide high velocity air streams for maximum scrubbing action against dust and particulate matters adherent on the exposed skin, clothes and material surfaces.

The unit allows both side flows, allowing the air showers to

be activated in both the directions. The user can exit through the clean room door or the grey side door, without compromising the sanctity of the clean air environment. This mode of operation prevents the egress of harmful contaminants from the clean room to the outside environment, making the unit particularly useful in pharmaceutical industries, animal research laboratories and other applications that require working with harmful and biohazardous substances.

Our air showers are prefabricated, tested and pre-wired units, offering an unmatched ease of installation and use.

The use of high quality construction materials provides a reliable and sturdy construction, whereas the microprocessor controller provides maximum application flexibility. Available in a wide range of modular designs, our air showers provide a cost effective solution to all the decontamination problems in routine clean room applications.

## KEY FEATURES

- Ergonomic design
- Versatile usage
- Clean, durable construction
- Easy to install and operate
- Available in both standard and customized configurations
- Available with calibration protocol documentation and complete self-diagnostic systems
- Programmable operation
- GMP/GLP compliant systems
- Designed to ensure minimum vibration and noise level < 60 db
- Lighting arrangement conforms to the guidelines for US federal standards.
- Highly efficient HEPA filters with around 99.99% filtration efficiency for removing particles as small as 0.3 microns and larger.
- Floor matting operated switch for sequential operation of the air shower
- Multidirectional air flow
- Adjustable air nozzles
- Permanently lubricated direct drive centrifugal motors and efficient blowers for maintaining appropriate face velocities of the air (6000 ft/min + 20 feet), while producing minimum vibrations and noise (less than 60 db). Rated at 1/5 HP
- Thermally protected high efficiency motors reduce electrical load
- Emergency buttons on both sides of the air shower to prevent accidental lock-outs

## OPERATING FEATURES

- Programmable operating modes
- Solid state programmable microprocessor based controls for various operating parameters
- Fully washable pre-filters remove around 85% of particulate matters, therefore reducing the load on HEPA filters and increasing their efficiency and life span.
- 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.



## APPLICATIONS

- Tamper proof junction box, placed on top.
- Solid state LCD timer with tamper proof closure controls the shower operation
- Emergency switch off button with audible alarm located within the shower cubicle.
- Microelectronics and semiconductor industries
- Pharmaceutical industries
- Biomedical research
- Life Sciences
- Aerospace industries
- Spray painting
- High precision manufacturing processes

## TECHNICAL SPECIFICATIONS

Constructions	Industrial grade mica clad wooden board/MS Sheet/Stainless Steel
Face velocity	6000 ft/min + 20 feet
Operation Time (Adjustable)	0-9,990 seconds
Air Flow	Multi Directional
Air Flow Control	Solid State Control Unit
Pre Filter	Washable pre-filter unit (Non-Woven-Synthetic Polyester)
HEPA Filters	Glass pleated non-woven fabric filter having 99.99% efficiency 0.3 micron particle size.



<p>Illumination</p>	<p>Top mounted fluorescent lights provide a minimum illumination of 800 lux on the work table</p>
<p>Blower Assembly</p>	<p>Centrifugal lubricated bearing type ISI marked assembly</p>
<p>Noise level</p>	<p>Noise level less than 60 db</p>
<p>Add on features</p>	<p>Sequential feature operation by door mat magnetic switch.</p>
<p>Power Requirements</p>	<p>500 watts – 950 watts (Model specific)</p>
<p>Internal Work Space</p>	<p>800 x 800 x 2000mm / 1100 x 1100 x 2100mm / 1500 x 1500 x 2100mm</p>
<p>Nominal voltage</p>	<p>220-230 Volts, 50 Hz Single Phase</p>
<p>Frequency</p>	<p>50/60</p>



An ISO 9001 : 2208 | ISO 14001 : 2008 | ISO 13485  
WHO: GMP Products | GLP Compliant Products

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