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DASHXTM SERIES



DECONTAMINATION AIR SHOWER HUB



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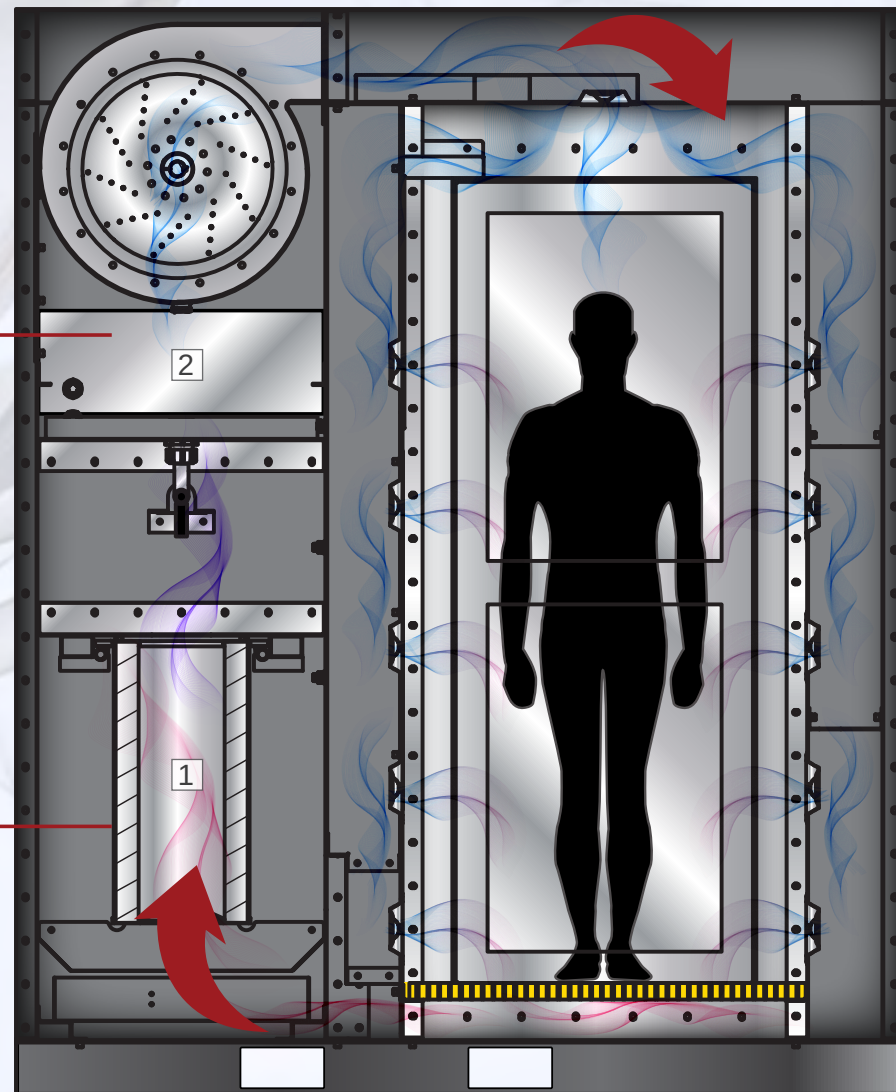
ULTIMATE SOLUTION FOR SAFE DECONTAMINATION

A great many people working in industrial companies are exposed to various airborne contaminants. When leaving their stations, those workers must inevitably dust off before moving to a clean area. As such, they will undergo a decontamination process between every break and shift change; otherwise they would contaminate the rest areas, cafeterias and locker rooms.

The DashxTM series air shower developed by Airex Industries provides workers the ability to clean themselves independently, quickly and efficiently. Also, this booth is able to capture even the finest particles during the dust-removal cycle. The particles are then eliminated from the work environment rather than just moved.

MAIN ADVANTAGES

- 1. High-Performance unit**
The high number of air change within the compartment ensures unparalleled performance.
- 2. Compliance with the standards**
The air shower is designed to meet the OSHA and CSA prescriptive requirements.
- 3. Filtration efficiency**
The MERV 16 filter cartridges and the HEPA filter make this unit extremely safe.



At any time, the cleaning sequence can be stopped by pressing an emergency button. One is accessible inside the booth, and one is accessible outside of it.



Inside Emergency Button



Outside Emergency Button

FILTRATION PRINCIPLE

3

HOW THE DASHX SERIES AIR SHOWER WORKS

Once inside the air shower, the worker presses the unit's start button. Once in action, the orbital nozzles jet a safe, high-velocity airstream to dislodge the embedded dust from the worker. The particles are then drawn through the screen located on the floor level and then directed to the primary filter section consisting of MERV 16 filter cartridges. The residual fine particulates that pass through the filter cartridges are directed to the secondary filter section, where they are intercepted by a HEPA-type filtration media. That purified air is then moved by the blower to again be jetted through the orbital nozzles.

FILTRATION EFFICIENCY

Primary filter section

This compartment contains three 8-oz spun bond MERV 16 filter cartridges with PTFE coating. This type of filtration media has a filtration efficiency of 99.4% @ 0.08 microns. This section is also equipped with a 70-PSI pulsed air jet unclogging system that maintains the airflow within the machine. The filter-cleaning is managed manually using a push-button on the control panel. A manometer indicating the differential pressure of the filters enables the worker to determine whether the air shower requires unclogging.

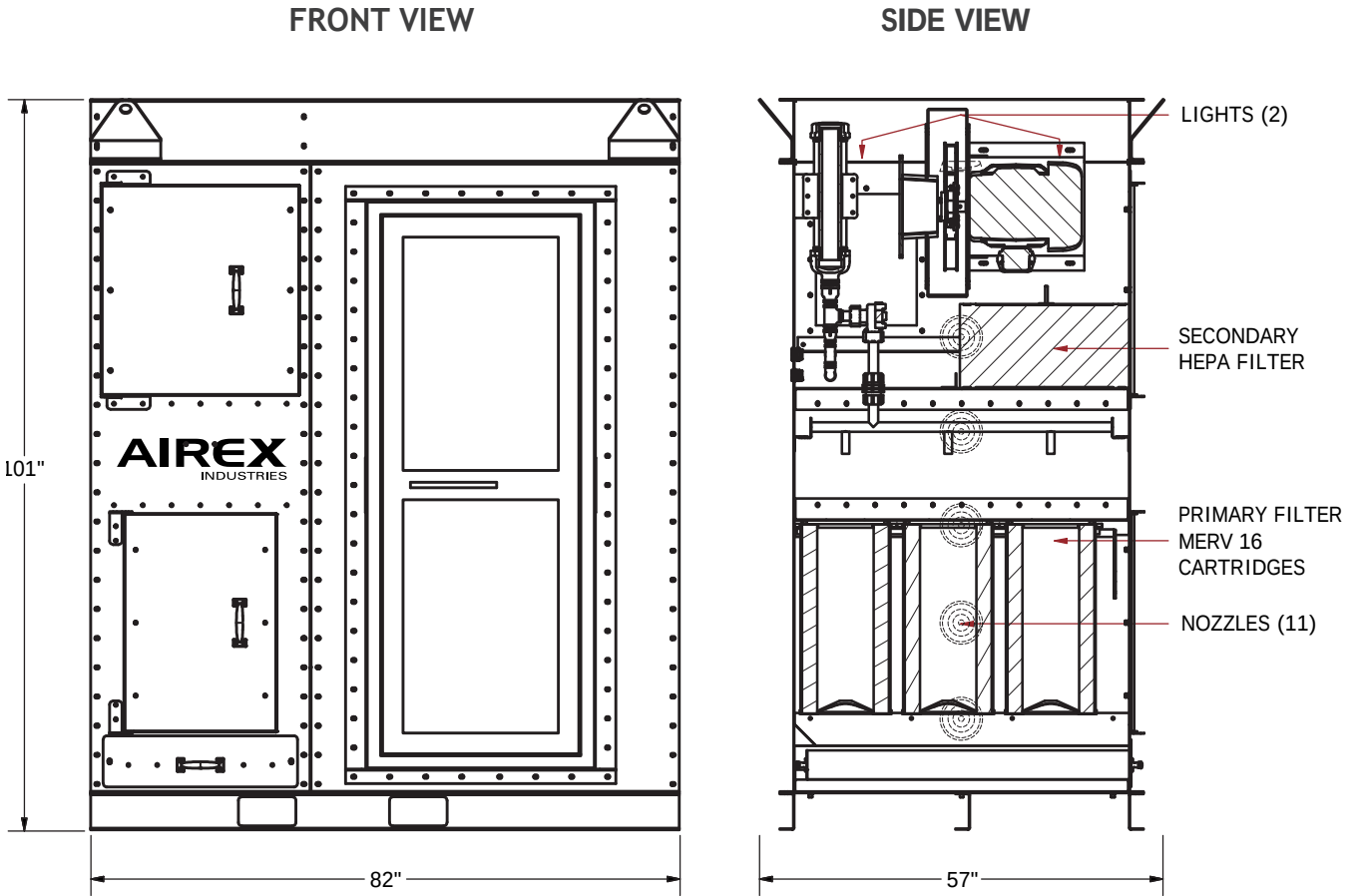
Secondary filter section

A second filtration area equipped with a HEPA-type glass microfibre media ensures the users' health and safety. The residual fine dust is therefore collected by the secondary filter, which has a filtration efficiency of 99.97% @ 0.3 microns.

1 3 MERV 16 cartridges with a filtration efficiency of 99.4% @ 0.08 micron.

2 Microfiberglass HEPA type filter with a filtration efficiency of 99.97% @ 0.3 micron.

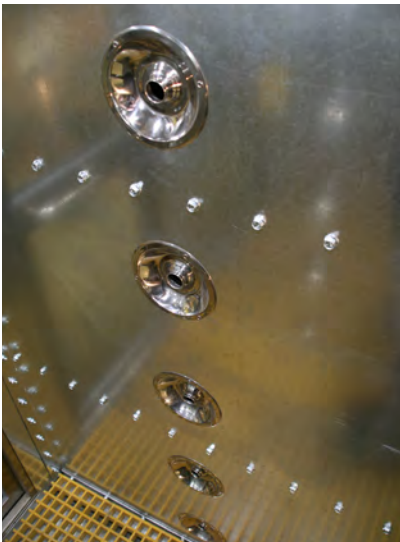
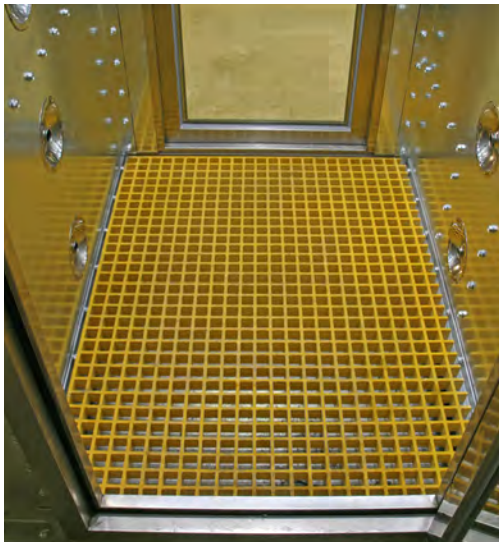
SPECIFICATIONS



LIGHTS

INSIDE CABIN

NOZZLES



SPECIFICATIONS	
Overall dimensions (rounded)	82" x 57" x 101"
Interior booth dimensions	56" x 47" x 83"
Weight	2,550 lb approx.
Construction	12-gauges
Dust drawer capacity	2.3 pi³
Doors	Stainless steel glass
Overhead light	LED 120 Volts
Nozzle type	Adjustable stainless steel
Nozzle outlet velocity (FPM)	16,000
BLOWER	
Type	Backward inclined wheel
Airflow (PCM)	1,000
Motor (HP)	7.5
Available voltage	600/460/230 (3/60)
Noise level (dB)	-16
PRIMARY FILTER SECTION - MERV 16 CARTRIDGES	
Dimensions	26" H x 12-¾" Ø
Number of pleats	130
Pleat depth	2"
Total filtering area	94 pi²
Medium composition	8 oz Spun Bond + PTFE
Efficiency	99.4% @ 0.08 micron
Unclogging	Manual - Reverse pulse jet
Air tank pressure	70 PSI
SECONDARY FILTER SECTION - HEPA	
Dimensions	24" x 24" x 12"
Maximum flow rate without efficiency loss (PCM)	2,000
Medium composition	Microfiber glass
Efficiency	99.97% @ 0.3 micron