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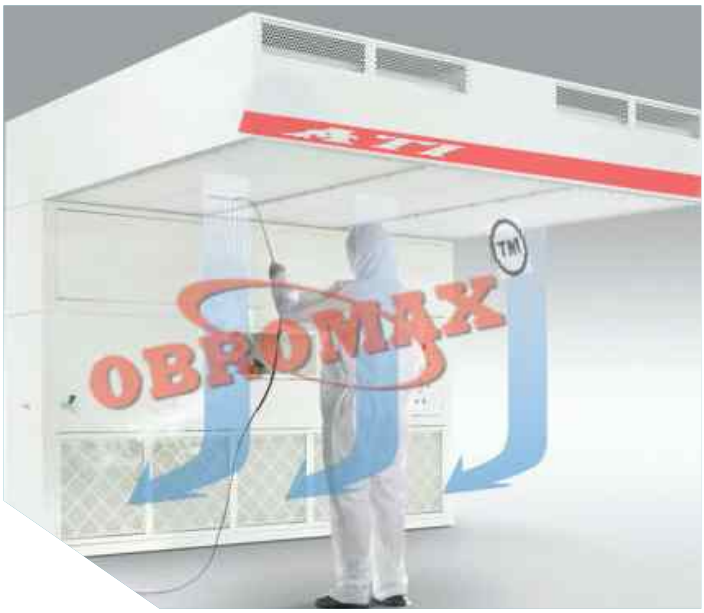
Powder Containment Booths



ACMAS Technologies Inc.

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Powder Containment Booths

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Powder containment booths (Dispensing & sampling Booth) control the emission of hazardous powder & dust and vapor that can be harmful or detrimental to health of living beings without any risk to operator or the environment during the powder dispensing or sampling processes. In the powder containment booths, down flow of HEPA filtered air prevents the airborne dust particulates form entering into the operator's breathing zone and prevents the escape of harmful dust particles into the working area. Powder containment Booths and Workstation provide a safe, controlled working environment and are called upon to carry out a wide range of operations.

Types: depending on powder dispensing or sampling processes these booths can be of two types

- Sampling Booth
- Dispensing Booth

Down flow Sampling Booth: controls the hazardous emission of powder during powder sampling processes and prevents the personnel working for sampling processes, from the contaminants. Containment is achieved by air movement. The material that is going to be sampled may belongs to following categories

- Pharmaceutical products (initial, intermediate and final) i.e. manufacturing of tablets, medicines, capsules etc.
- Primary and secondary packaging materials; and
- Cleaning and sanitizing agents, compressed gases and
- Other processing agents.

Down flow Dispensing Booth: control the hazardous emission of powder during powder dispensing processes and prevents the worker doing dispensing processes from the harmful powder contaminants. These dispending processes involve the volumetric delivery of dry powders and solids. The down flow of HEPA filtered air in the dispensing booth prevents the airborne dusts particulates from entering into the operator's working zone or breathing area.

Applications areas of the Powder containment booths:

These booths are mainly concerned with the industries involving in powder forming chemicals that can be hazardous and some others too.

- Pharmaceutical industries
- Chemical industries
- Cosmetic industries
- Metallurgy
- Research and Development laboratories etc.

Salient Features:

- Designed in accordance with GMP standards
- CE marked
- 3-Stage Filtration like Prefilter , Fine Filter , HEPA filter
- Heavy duty Low noise ISI marked motor blower assembly
- Robust construction

Material of Construction:

Note: construction is customizable as per customer's need or requirement. (following is our standard model further customization is possible in any manner)

Outer body: Corrosion free Powder coated GI or MS sheet

Inner body: made up of SS-304 (SS-316 is optional)

Technical matrix

Note: *(further customization is possible; below mentioned is our standard model)

Dimensions		According to customer's requirement
Type		Front open with PVC door
Construction	Outer body	Powder coated MS sheet
	Inner body	SS-304 (SS-316 optional)
Particle retention		0.3 microns
Noise level		< 65 dB
Velocity		120 FPM + 20%
Light	Illumination	Fluorescent tubes
	Intensity	850 Lux
Pressure Differential		0-25 mm Magnehelic Gauge
Cleanliness		Class 100
Pre-filter		Non woven Synthetic Media washable pre filter
HEPA filters		99.97% efficiency @ 0.3 micron rating
Blower assembly		ISI marked single phase blower system (depends on size)
Power supply		230V Single Phase, 50 Hz

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