

## Powder Dispensing(Sampling Booth)



Sampling Booths with its open-fronted design, this type of system provides ease of access for product, operator and environment. Reverse laminar flow powder dispensing booths (Also called powder containment booths) protects the operators from toxic chemicals / raw materials used for manufacturing of tablets, medicines, capsules etc from external contamination during the process of weighing or measuring. It is ideal where a high degree of flexibility is desired. Containment is achieved by air movement. Our downflow booths are workstation are available in a variety of air-handling models. When the Booths is operating under normal conditions air is pulled through the main working chamber to exhaust grills, normally situated in the rear of the Booths, suppressing air-borne dust away from the operators breathing zone. Downflow Booths and Workstation provide a safe, controlled working environment and are called upon to carry out a wide range of operations.

- Designed in accordance with WHO-GMP
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- Suitable to accommodate to floor & table top for keeping weight machine

Material of Construction: All Powder Dispensing / Sampling Booths are available in the following materials of construction depending upon customer's choice.

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

### Dispensing and Sampling Booths Specifications

Type	Front Open
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Direction of flow	Vertical
Material of Construction	SS304 / SS316 or G I Powder Coated
Cleanliness	Class 100 as per US FED STD 209E (IS 14644-1)
Equivalent Velocity pressure in mm of WG	15 mm in filter plenum
Particle Retention	0.3 micron
Noise Level	65dB on Scale 'A' ± 5
Velocity	120 FPM ± 20%
Illumination	Fluorescent tubes diffusers
Light intensity	>900 Lux at work table
Pressure Differential	0-25 mm Magnehelic Gauge WG
Power Supply	230V Single Phase, 50 Hz
Pre-Filters	EU 3 grade, Non Oven Synthetic Media washable pre filter
Front Elevation	PVC Curtain (clear)
Intermediate Filters	3 micron & above, two layers of HDPE woven mesh and one layer of Non-woven polyester Bondex Media, 9 mm Pressure Drop, Efficiency 97%
HEPA Filters	DPG – Pleat HEPA 99.97% efficiency @ 0.3 micron rating
Blower Assembly	Statically & Dynamically balanced RPM single phase blower system various depending upon size.

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