

## Reverse Laminar Flow Booth

It is also known as Sampling or Dispensing Booth. It is used to control hazardous emissions of powder, dust or vapor during powder dispensing, drum tipping, product sampling, without risk to the operator or environment, and are available in wide modular range of sizes. They are constructed from stainless steel in fully ducted designs.

### Standard features:

The work area is separated from the external environment by the following devices:

- ✦ The reverse laminar flow booth is formed by a stainless steel; AISI 304 scotch brite finished self-supporting structure, for easy cleaning.
- ✦ A negative pressure inside the booth prevents the escape of fine powder from the work area towards the external environment.
- ✦ A physical barrier like flexible PVC strip curtain is provided. Downward airflow provides full protection to operator and product.
- ✦ A perforated diffuser panel made of stainless steel shields the upper filtration area.



### Specifications :

1	Name of Equipment	Dispensing/ Sampling booth /Reverse Laminar flow
2	Material of construction	Stainless Steel 304 1.2 mm thickness Double paneled
3	Velocity	100 FPM at 6" from the face of HEPA Filter.
4	Internal Finish	Mirror
5	Main Body Finish	Matt
6	Design	Modular in 2 pieces
7	Classification	14644-1 ISO Class 5 / As per IEST - RP - CC002.2
8	Noise Level	65 + /- 5 Db at 1 Meter from the RLAF
9	Stages of filtration	1) Pre Filter = 20 $\mu$ with an efficiency of 80% 2) Inner Pre-Filter = 10 $\mu$ with an efficiency of 85% (Washable HDPE media in SS 304 Frame) 3) Mini pleat HEPA Filter Encased in Aluminum Frame down to 0.3 $\mu$ with an efficiency of 99.995% 4) Exhaust Mini pleat HEPA Filter Encased in GI frame down to 0.3 $\mu$ with an efficiency of 99.995% (Microbial treated media) (HEPA Filter Of FFM Italy)
10	Configuration	Approximately 10% of the air volume exhausted as sterile air back into the environment and approximately 90% of the air is re-circulated inside the work area.
11	Inner Area	Complete Stainless Steel 304
12	HEPA Filter Grill	SS 304 grills duly perforated and polished
13	Motor Blower Assembly	"Godrej" make variable speed motor mounted on PU coated FRP Blowers with Black gloss coated Aluminum Impellers
14	Speed Controller	Microprocessor based feather touch switches. 3- step speed
15	Fluorescent lighting	CFL lamps with electronic chokes
16	Ultra Violet Lighting	Philips make
17	Switches	Microprocessor based feather touch switches
18	Pressure gauge	Magnehelic gauge (Dwyer Make)
19	Sockets	5/15 Amps Points for external equipment
20	Front Curtain	PVC Strip Curtains (0.5 mm thickness) provided to guide the flow.
21	Services	For easy servicing all cabinet components, including HEPA filters are easily accessible from the front to allow for rapid service and minimal work disruption during preventative maintenance and recertification
22	Power Supply & Service	All services from Front. <b>Single phase 230V, 50Hz power supply</b>
23	Optional Accessories	Flame proof electrical fittings Work table for balance

**Standard sizes available:** 3'x2', 4'x2', 6'x2', 4'x3', 6'x3', 4'x4', 6'x4' as well as custom-made sizes.