

# Vertical Laminar Air Flow

## Special Features

- Large front panel display and user friendly control panel
- 10° slanted view screen provides highly visible and easily accessible area
- Work area is surrounded by negative pressure , double-wall plenums for superior protection
- Sturdy construction of cabinet protects from air leakage from the working zone
- Display of Life of UV lamp, HEPA filter and temperature
- Caster wheels for ease of mobility
- Levelling jack for vibration free operation



LABTOP laminar flow chamber exist in both horizontal and vertical configurations, Laminar flow cabinets are equipped with a UV-C germicidal lamp to sterilize the cabinet and contents when not in use.

## Air Flow and Filtration

Laminar air Flow principle involves double filtration of air. Atmospheric air is drawn through pre filter and is made to pass through highly effective HEPA (High Efficiency Particulate Air) filters having efficiency rating as high as 99.99% , retaining all airborne particles of size 0.3 micron and larger. Double filtered air blows in laminar flow through the work table at designed velocity of 70 FPM-110FPM(Avg. Air flow velocity 90 FPM)

Technical Specifications For Vertical Laminar Air Flow					
<b>Working Area (mm)</b>	600×600×600	900×600×600	1200×600×600	1500×600×600	1800×600×600
<b>Air Flow</b>	Vertical				
<b>Working Table</b>	Stainless steel 304, 16 SWG				
<b>Control system</b>	PLC / Manual				
<b>Display</b>	Colour HMI with touch screen / Deferential Pressure Gauge				
<b>Size of HEPA filter (mm)</b>	600×600×76	900×600×76	1200×600×76	1500 ×600×76	900×600×76
<b>HEPA filters</b>	1		1		1
<b>Pre filters</b>	1				
<b>Illumination</b>	1×80 W				
<b>Filter efficiency</b>	99.9 %				
<b>Air Cleanliness</b>	Class 100				
<b>Particle Retention</b>	0.3 micron				
<b>Velocity</b>	90 FPM + 20 %				
<b>Illumination</b>	LED, 750 – 800 LUX				
<b>External Size with stand</b>	730×700×1975	1030×700×1975	1330×700×1975	1630×700×1975	1930×700×1975
<b>Size with packing</b>	860×830×1500	1260×830×1500	1460×830×1500	1760×830×1500	2060×830×1500
<b>Power</b>	500 W	500 W	1000 W	1000 W	1000 W
<b>Net weight</b>	110	125	150	150	190
<b>Gross weight</b>	145	175	185	185	225
<b>Voltage</b>	110 V/230 V AC				

**NB:**

P Models are with Programmable logic control (PLC)

G Models are made out