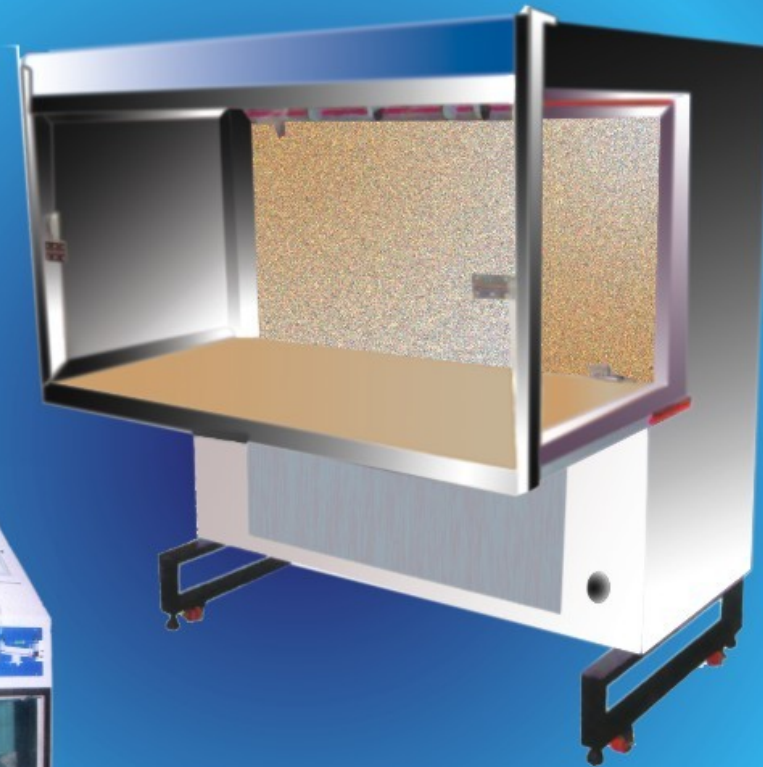




Perfect Blend of Quality & Technology

LAMINAR AIR FLOW CABINET

HORIZONTAL



VERTICAL

S.R LAB INSTRUMENTS

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LAMINAR AIR FLOW CABINET

The SRL Make Laminar Air Flow Cabinet provides a class 100 air flow in the work area for operations where products is of utmost importance. The unrestricted open front work area allows the use of equipment under biologically clean conditions.

APPLICATIONS :

The Laminar Air Flow Cabinet is designed to provide a high degree of protection for process products In laboratories and production facilities. Many critical applications in the medical, pharmaceutical, nuclear-power, and micro electronic fields demand an ultra-clean work environment which is free from biological and particulate contamination.

OPERATION :

Ambient Air is drawn in through pre-filter and is introduced in the work zone through the hepa filter. The average velocity in the work zone is maintained between 0.4 and 0.5 m/s. Air cleanliness in the work zone is better than class 3.5 (100) in accordance with **US FED STD 209 E**

CONSTRUCTIONS :

The cabinets are fabricated out of thick board duly sunmica clad or mild steel cabinet duly epoxy coated. The work table is made of thick board which is sunmica clad at Top or S. S Table top will be provided as optional accessories . All joints are sealed with silastic sealant. Side panels are provided of thick transparent acrylic sheets. The unit is fitted with pre-filter and is made to pass through highly effective HEPA (high efficiency particular air) filter having efficiency rating as high as 99.997% with hot, DOP, thus retaining all air-borne particles of size : 0.3 micron and larger. Using a dynamic machine, the blower and motor assembly is statically and dynamically balanced. Blowers are mounted on vibration isolation mounts to minimize vibration. The working is illuminated by flourescent lightings fitted to the unit. Height of the working table provides comfortable " Sit Down" working position for the operation to work on 220/230 volts AC. Supply.

SPECIFICATION :

Air Velocity	Between 0.4 to 0.5 m/s +-20%
HEPA Efficiency	99.997% at 0.3 microns with DOP test
Pre-filter	Washable with an arrestance up to 90% at 5 microns
Sound Level	Less than 65 dB (A)
Light Intensity	Lux 900 - 1300 Lux
Cleanliness Federal	Standard 209 E Class 100
Power Supply	220 V Single phase 50 Hz

OPTIONAL :

S. S Table Top.
U. V Lights attachment
Front Acrylic Door
Gas / Vacuum Cock
Castor wheels at the Bottom

TECHNICAL SPECIFICATION

VERTICAL LAMINAR FLOW		HORIZONTAL LAMINAR FLOW	
MODEL	SIZE IN FT	MODEL	SIZE IN FT
VL-2A	2 X 2	HL-2A	2 X 2
VL-3B	3 X 2	HL-3B	3 X 2
VL-4C	4 X 2	HL-4C	4 X 2

Due to continuous development & improvements in design, we reserve the right to change the specification without notice.