

## Vertical Laminar Air Flow Cabinet

### Introducing the Vertical Laminar Air Flow by Cominus Scientific

Enhance the safety and purity of your laboratory environment with the Vertical Laminar Air Flow system with Viral Burn Out Unit by Cominus Scientific. Designed with precision and cutting-edge technology, this unit ensures optimal protection and cleanliness for your critical processes.

This piece-of-art has temperature compensated airflow sensor for supervising all cabinet functions. Digital read-out with alpha-numeric display should indicate all input, status and alarm functions. Let's explore the features that make this system a standout choice for your laboratory needs:

- **H14 Rated HEPA Filter:** Our Vertical Laminar Air Flow system comes equipped with an H14 rated HEPA filter, which effectively captures particles as small as 0.3 microns with an efficiency of 99.99%. This high-performance filter guarantees the removal of airborne contaminants, providing you with a pristine working environment.
- **Durable Construction:** The front door and side panels of the unit are crafted from robust polycarbonate material. Not only does this ensure excellent visibility and illumination, but it also offers exceptional strength and durability. The polycarbonate construction adds an extra layer of protection for your valuable experiments.



**Powerful Motor:** Equipped with a high-speed 1440 RPM motor, this system ensures efficient and consistent airflow throughout the working area. The motor operates silently, maintaining a quiet working environment while still delivering exceptional performance.

**Pre-Filter:** The included pre-filter acts as the first line of defence against larger particles and contaminants. It effectively captures dust, hair, and other debris, extending the lifespan of the HEPA filter and minimizing maintenance requirements.

**IS 304 Grade Stainless Steel Worktable:** The Vertical Laminar Air Flow system features a worktable made of IS 304 grade stainless steel. This sturdy and corrosion-resistant material provides a hygienic and easy-to-clean surface for your experimental setup, ensuring optimal cleanliness and longevity.

**UV Lamp:** Our system incorporates a UV lamp to provide an additional layer of protection against airborne microorganisms. This germicidal lamp emits ultraviolet light, effectively neutralizing bacteria, viruses, and fungi, further safeguarding your experiments and personnel.

**Low Noise & Vibration Free:** Sound level is less than 60 dbA.

**Real-time monitoring of HEPA filter efficiency.**

**Experience the highest level of air purity and safety with the Vertical Laminar Air Flow system by Cominus Scientific. Backed by cutting-edge features, durable construction, and excellent warranty coverage, this system is the ideal choice for laboratories, research facilities, and cleanrooms. Invest in the reliability and performance that your critical processes deserve.**

## Technical Specifications: -

Model	CM-VLFC-03	CM-VLFC-04	CM-VLFC-06
<b>Working Dimensions (ft)</b>	3 x 1.5 x 1.5	4 x 2 x 2	6 x 3 x 3
<b>Direction of Flow</b>	Vertical	Vertical	Vertical
<b>Particle Retention (micron)</b>	0.3 micron and above	0.3 micron and above	0.3 micron and above
<b>MOC for Worktable</b>	Type 304 stainless steel, 1.5 mm (0.06") 16-gauge, type 304, with 4B Finish	Type 304 stainless steel, 1.5 mm (0.06") 16-gauge, type 304, with 4B Finish	Type 304 stainless steel, 1.5 mm (0.06") 16-gauge, type 304, with 4B Finish
<b>MOC of Body</b>	Made of 1.2 mm (0.06") 16-gauge electro-galvanized steel with white oven-baked epoxy antimicrobial powder coated finish.	Made of 1.2 mm (0.06") 16-gauge electro-galvanized steel with white oven-baked epoxy antimicrobial powder coated finish.	Made of 1.2 mm (0.06") 16-gauge electro-galvanized steel with white oven-baked epoxy antimicrobial powder coated finish.
<b>Type of Display</b>	LED	LED	LED
<b>UV Lamp</b>	Yes	Yes	Yes
<b>LED Fittings</b>	Yes	Yes	Yes
<b>Cleanliness</b>	ISO Class 5 as per ISO 14644-1	ISO Class 5 as per ISO 14644-1	ISO Class 5 as per ISO 14644-1
<b>Front Door and Side Panels MOC</b>	Polycarbonate	Polycarbonate	Polycarbonate
<b>Inclined Manometer (mm)</b>	0-25 mm Range	0-25 mm Range	0-25 mm Range
<b>Castor Wheels</b>	Yes	Yes	Yes
<b>Filter</b>	HEPA Filter with 99.99% efficiency and H14 Ratings	HEPA Filter with 99.99% efficiency and H14 Ratings	HEPA Filter with 99.99% efficiency and H14 Ratings
<b>Power Supply</b>	210 - 230V / 50-60 Hz, Single Phase	210 - 230V / 50-60 Hz, Single Phase	210 - 230V / 50-60 Hz, Single Phase
<b>Pre-Filter</b>	5 micron & above retention and 95% of efficiency	5 micron & above retention and 95% of efficiency	5 micron & above retention and 95% of efficiency
<b>Motor Type</b>	Single phase, 1440 RPM motor will be enclosed in PU coated GI casing.	Single phase, 1440 RPM motor will be enclosed in PU coated GI casing.	Single phase, 1440 RPM motor will be enclosed in PU coated GI casing.
<b>Warranty</b>	1 Year	1 Year	1 Year

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