PRODUCT

Laminar Flow Cabinet

TECHNICAL DATASHEET

DESCRIPTION

Designed and manufactured in the UK, our range of Vertical Laminar Flow Cabinets offer total practicality and suitability for a huge variety of applications. The vertical laminar flow cabinet is an 1800mm wide Vertical Laminar Flow cabinet offering clean conditions to ISO Class 4 (Class 10) and full compliance to BS EN 14644. The cabinet provides sample protection with a parallel flow of clean ULPA filtered air through filters situated at the top of the cabinet.

FEATURES

- Touchscreen interface
- Pre-filter: 98% efficient at 0.5 micron
- Main filter: U15 Rated at 99.9998% efficient to 0.12 micron particulates
- ISO 4
- >0.4 m/sec downflow
- 1600m^3/hr airflow

High Quality with ULPA Filtration

The Unit uses an EV4 pre-filter and U15 ULPA filter rated at 99.9998% efficient at 0.12 microns ensuring Class 10 clean air conditions. Filter seals are under negative pressure to prevent leaks into the cabinet. The cabinets are constructed from epoxy coated Zintec mild steel to prevent corrosion with 6mm acrylic side walls and toughened glass protective front screen. All units are fitted with a side mounted double electrical socket as standard.
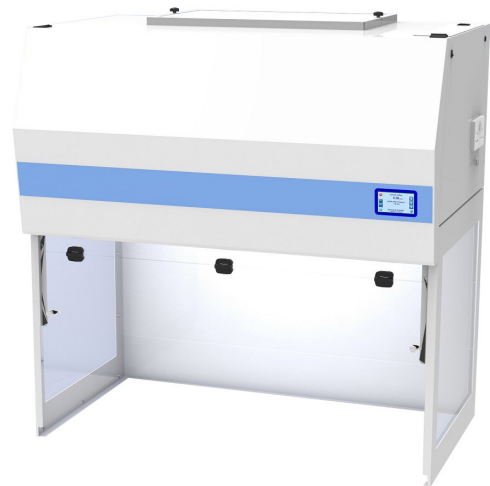
Airflow Characteristics

Air is drawn in through the pre filter at the top of the cabinet removing any particulates in the room. It will then pass through the fan before entering the plenum chamber above the main filter. The plenum chamber will ensure the air is distributed evenly before passing through the main filter. On exiting the main filter, it travels vertically down to the work surface where the air will spread towards the front exit of the cabinet.

Environmentally Friendly

The Unit also has fantastic 'green' credentials. Using just 90 watts of power during normal operation means the cabinet uses a fraction of the power consumption of rival models. In addition, the unit has some of the most attractive sound levels available – measuring at circa 54db(A).

Options

An optional UV light can be fitted along with a lightweight night door to prevent escape of any stray UV lighting. Also available as an option is a stainless steel work surface, open frame base stand to sit the cabinet on and a side mounted double electrical socket.

To request a quotation or for more information, please call **+1 512-713-0127** email **sales@integritycleanroom.com** or visit **www.integritycleanroom.com**