

Features



- Designed to produce better than Class 5 Cleanliness Conditions to BS EN ISO 14644:1999
- HEPA filtration to H-14, 99.995% MPPS efficiency equal to 99.999% DOP efficiency (EN 1822-1)
- Latest EC energy efficient fans providing maximum performance with minimal energy use
- Ultra low energy LED lighting housed behind an opal diffuser providing lighting levels >750 Lux
- Body manufactured using premium quality mild steel with fully welded or sealed joints
- All internal and external surfaces white powder coated finish RAL 9016
- Worksurface manufactured in grade 316 stainless steel, welded with a minimum 240S polished finish
- Noise levels <60 dBA
- Clear toughened glass side screens for maximum working visibility
- Pre-filter panel located in top panel and accessed from front
- Unidirectional airflow providing sterile working conditions almost immediately on start up
- Natural Gas Solenoid (optional feature)
- Main controls are mounted behind the membrane on the rear of the front hinged panel incorporating main PCB control panel including accurate airflow sensors
- Blue back lit LCD screen provides at a glance cabinet status including HEPA filter pressure, positioned directly above the main working area for easy access
- DOP Test Ports are provided for smoke injection during routine testing
- Variable speed fans to maximise filter lifetime
- Wide range of available sizes
- Larger models available for specialised applications
- Integrated easy touch tactile control membrane, easy wipe clean with the following control buttons:
 - Fan on/off switch
 - Alarm Mute
 - Lights on/off switch
 - Programmable UV Lighting
- Standard compliance to BSEN 14644 Class 3, 4 or 5
EC GMP Grade A Class F to BS 5295 Class 100 (Federal Standard 209E)

Sizes - Standard sizes for both Horizontal & Vertical Laminar flows include 1200, 1500 & 1800mm wide, special sizes and configurations available.

Options and Accessories

- Electrical sockets
- UV Germicidal light
- Digital airflow velocity measurement
- All stainless steel construction
- Support frame fitted with levelling feet or lockable castors
- Electrically operated variable height stand with available travel from 750mm to 1050mm working height
- Service taps (vacuum, lab gases etc)
- Stainless steel hanging rail

Other CAS Products & Services

- Class 1 Microbiological Safety Cabinets
- Class 2 Microbiological Safety Cabinets
- Class 3 Microbiological Safety Cabinets
- Pharmaceutical Isolators
 - Positive Pressure
- Pharmaceutical Isolators
 - Negative Pressure
- Class 2 Robotic Enclosures
- Dwindraft Tables
- VLF Modules
- Service & Maintenance of Clean Air Equipment

CAS



Laminar Flow Cabinets

Fax: +44(0)161 655 8865

CAS

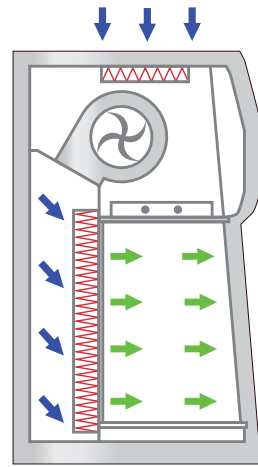
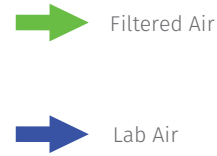


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Horizontal Laminar Flow



HLF: Air flow diagram

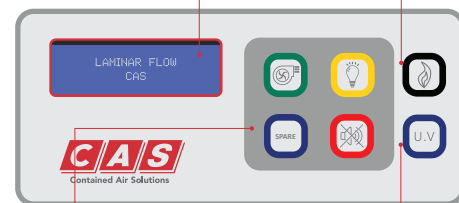


The horizontal range of laminar flow cabinets utilise air taken from the laboratory, which is drawn inwards through a high efficiency pre-filter trapping larger particles before the air is then passed through a HEPA filter. The air is then discharged over the work area in a horizontal unidirectional stream providing a sterile working environment.

Display and Membrane Diagram

Easy to read illuminated backlit display indicates cabinet status and alarm functions

Optional switch for natural gas



Colour coded easy touch tactile switches

Optional switch for programmable UV lighting



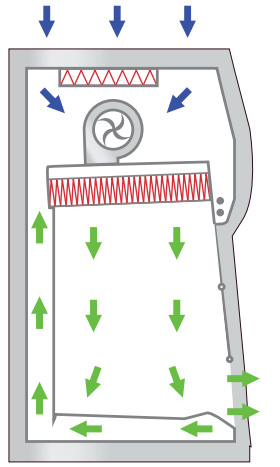
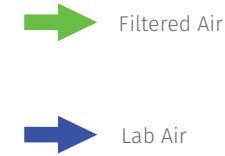
Applications

- General and routine hospital pharmacy operations including preparation of IV and TPN bags
- Laboratory tissue culture work where sterility of the work is essential
- Pharmaceutical handling of liquids or powders where sterility is essential but the operation presents no hazard to the operator
- Manufacture and assembly of micro - electronic components in a sterile environment

Vertical Laminar Flow



VLF: Air flow diagram



The vertical range of laminar flow cabinets utilise air taken from the laboratory, which is drawn inwards at high level and passes through a high efficiency pre-filter trapping larger particles, the air is then passed through a HEPA filter. The filtered air is then discharged over the work area in a unidirectional stream providing a sterile working environment.

Display and Membrane Diagram

Easy to read illuminated backlit display indicates cabinet status and alarm functions

Optional switch for natural gas



Colour coded easy touch tactile switches

Optional switch for programmable UV lighting



Applications

Multi Purpose Clean Air Workstation designed to provide better than Class F (BS 5295) Class 100 (Federal Standard 209E) and BSEN 14644 (Class 3, 4 & 5) air quality in working zone



WolfLabs

Pricing on any accessories shown can be found by keying the part number into the search box on our website.

The specifications listed in this brochure are subject to change by the manufacturer and therefore cannot be guaranteed to be correct. If there are aspects of the specification that must be guaranteed, please provide these to our sales team so that details can be confirmed.

www.wolflabs.co.uk

Tel : 01759 301142

Fax : 01759 301143

sales@wolflabs.co.uk

Please contact us if this literature doesn't answer all your questions.