

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
- Downdraft Tables
- VLF Modules
- Service & Maintenance of Clean Air Equipment



Laminar Flow Cabinets

Contact us today for more information on our extensive range of clean air products, at **Contained Air Solutions Ltd.**

Visit us: www.containedairsolutions.co.uk

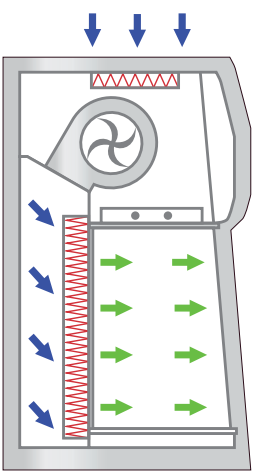
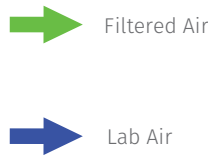
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Horizontal Laminar Flow

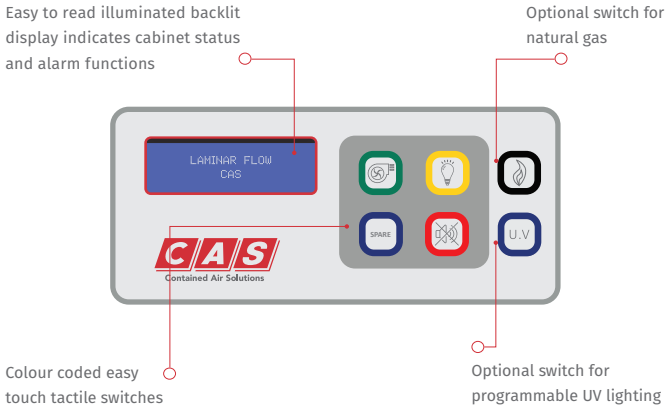


HLF: Air flow diagram



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



Applications

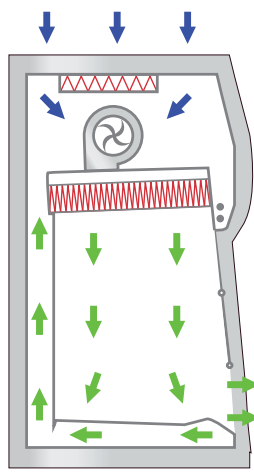
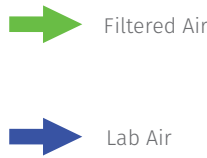
- General and routine hospital pharmacy operations including preparation of IV and TPN bags
- Laboratory tissue culture work where sterility of the work is essential
- Pharmaceutical handling of liquids or powders where sterility is essential but the operation presents no hazard to the operator
- Manufacture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



Vertical Laminar Flow

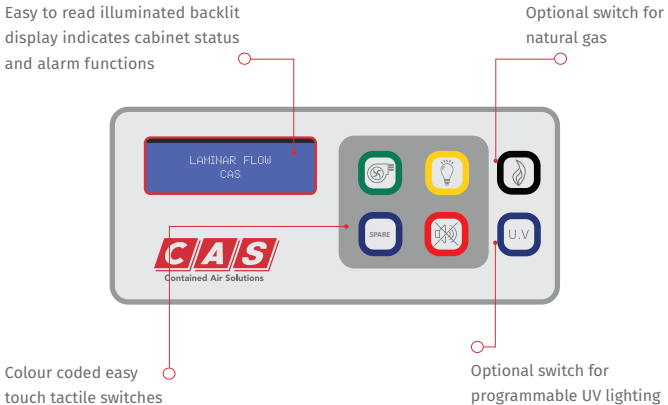


VLF: Air flow diagram



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



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

