

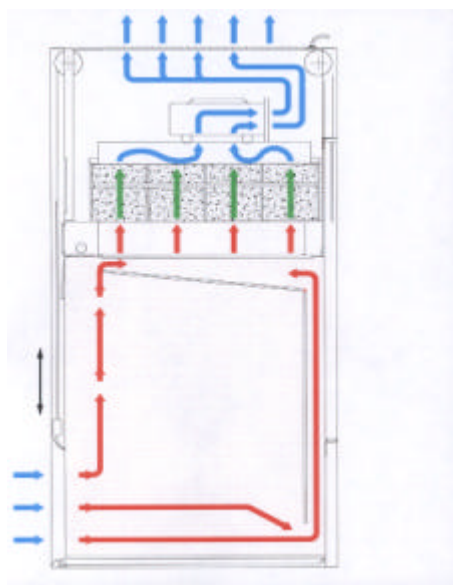
SafeAire™GS1000-1200-1500-1800 Filtration Fume Cupboards

- Suspended Counterweighted gliding Safety Glass Sashes to BS:7258:1994
- Optional Stands or Trolleys or Benches With ventilated underbench cupboards and services
- Automatic VAV (Variable Air Volume control) ensures constant face velocities at all sash height openings maintaining high fume containment factors
- Multilayered Filter Systems (see Guide)
 - Main & Security Carbon Filters
 - Carbon & HEPA Filters
- Auxiliary Extraction Devices ensure effective extraction and uniform airflow
- Tested & Certified to BS:7258:1994 Parts 1 & 4 for fume-containment, to DIN:12924 and BS:7989:2001



SafeAire™ GS1200 Filtration Fume Cupboard

With counter-weighted suspended safety-glass sash To BS:7258:1994. Automatic VAV (Variable Air Volume Control) incorporated in electronic Timelog/PCB with LCD. Tested/Certified to BS:7989:2001 and BS:7258:1&4:1994.



Auxiliary Extraction Devices ensure effective extraction of both lighter-than-air and heavier-than-air toxic gaseous-phase compounds and particulates, effectively scavenging heavy solvent-vapours from the work-top.

Height of Freestanding GS Models

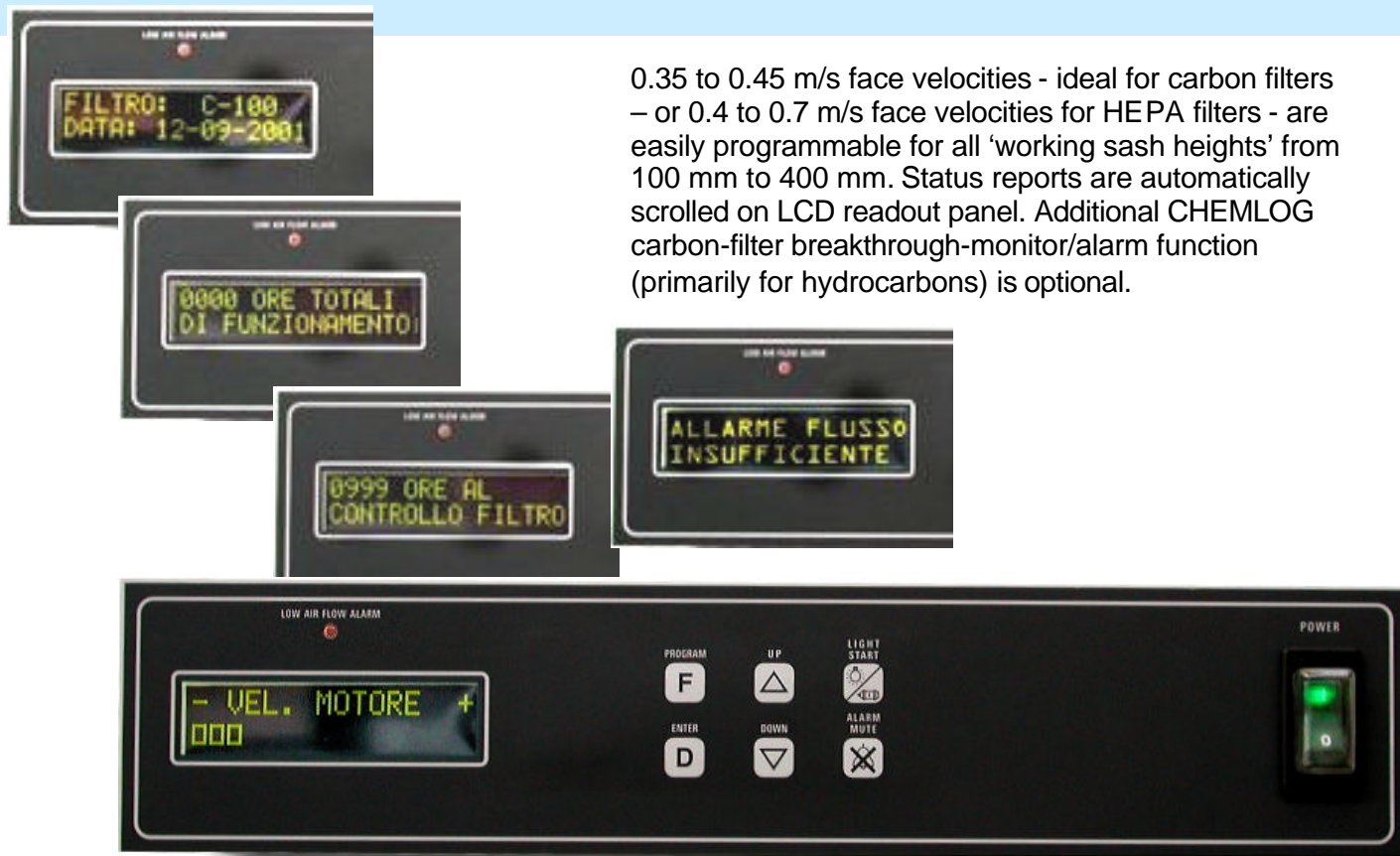
- 2.4 metre when fitted on 900mm height stands/trolleys
- 2.28 metre when fitted on sitting-work-height bench

GS Model	Dimensions (wxdxh) mm		Weight +Filter
	External	Internal	
1000	1000x754x1500	950x650x850	98kg
1200	1200x754x1500	1150x650x850	126kg
1500	1500x754x1500	1450x650x850	145kg
1800	1800x754x1500	1750x650x850	180kg

Airflow		Power supply		
Face Velocity	Air Vol. m³/h	Voltage	Current	Power
0.3 – 0.6m/s	500 – 720	230V-50Hz	1.4A	0.34kW
0.3 – 0.7m/s	576 – 860	230V-50Hz	2.4A	0.56kW
0.3 – 0.6m/s	720 – 1075	230V-50Hz	2.4A	0.56kW
0.3 – 0.7m/s	864 – 1290	230V-50Hz	4A	0.85kW

'Timelog' Microprocessor Control

Incorporates programmable VAV System, Filter Management & Monitoring Log and Low-Airflow Alarm.



The SafeAire™ GS-Range of Filtration Fume Cupboards are fitted with vertically gliding, counterweighted and suspended safety glass sashes. Built in corrosion-resistant epoxy-powder-coated sturdy metal construction and featuring characteristics of ducted fume cupboards expressed in BS:7258:1994 – they provide the same high fume-containment factors. Additionally, SafeAire™ GS-Range of Filtration Fume Cupboards offer the flexibility, mobility and energy-saving aspect of filtration fume cupboards

Multiple carbon filter combinations – combined with HEPA filters if required – fitted into the unique filter-clamping system and the fact that the safety plenum provides positive pressure around the filters ensures unparalleled containment of toxic vapours, gases and particulates. Combining different grades of impregnated carbons in the Security filters with non-impregnated carbons in the Main filters allows targeting of a wide range of chemical compounds simultaneously. Security HEPA filters can also be fitted. The greatest advantages of SafeAire™ GS-range filtration fume cupboards over simple ducted fume cupboards consist in their ability to protect the environment, as well as the operator – and as ductwork is not required when used in the 'recirculatory' mode their installation and operation will prove to be far more economical and affordable than those of their ducted counterparts.

SafeAire™ GS Filtration Fume Cupboards have been adopted in the UK, Germany, Italy and other EU countries since 1991, installed in significant numbers as:

- mobile teaching fume cupboards in schools, colleges and universities.
- "Zero-Emission" fume cupboards (sometimes in the ducted mode for dissipating heat) in the pharmaceutical, chemical and plastics industries.
- "recirculatory" and "ducted" filtration fume cupboards in medical and research laboratories.
- powder handling and weighing stations (with HEPA filters) in microbiology and biosciences.
- biotechnology, micro-electronics, endoscopy disinfection, preservation/restoration labs, archives.
- joined in a row into a bank of interconnecting bench-top and walk-in/drive-in GS models are being used for large scale production facilities, at disposal of radio-nuclear waste and in pilot plants.