

3.5 Secuflow low volume bench mounted fume cupboards

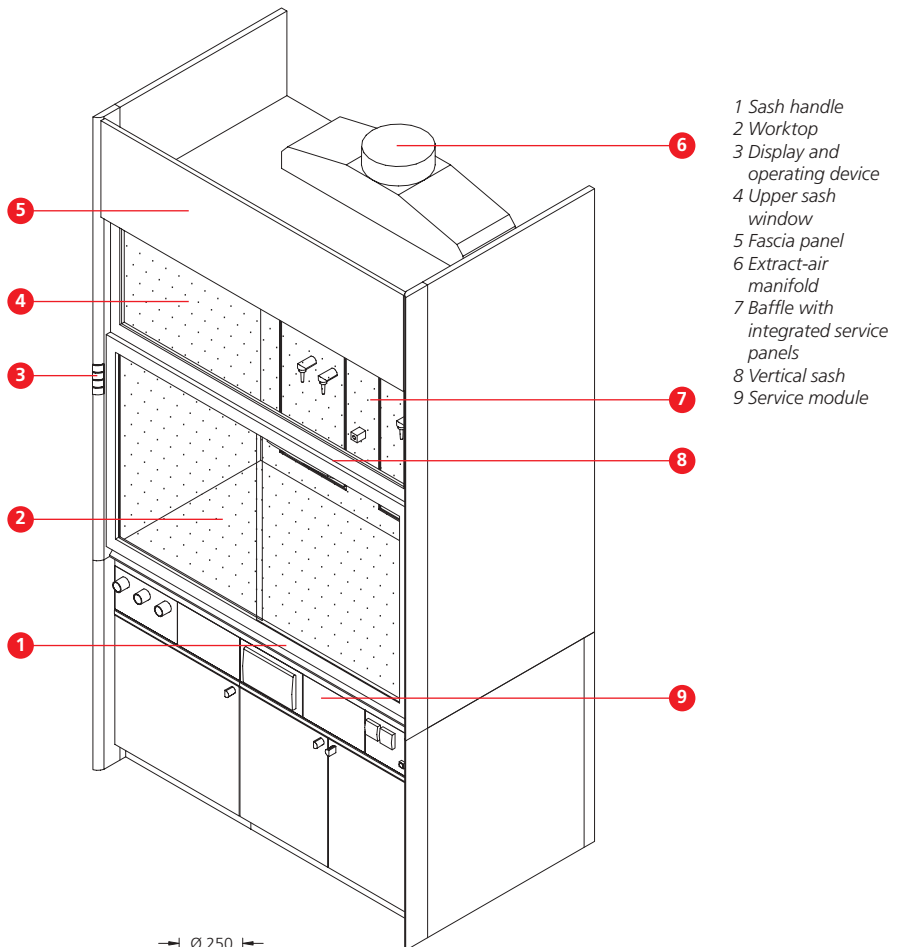
Secuflow low volume bench mounted fume cupboard EN 14175

Over and above the requirements of EN 14175, our Secuflow fume cupboards with integrated supportive flow technology provide maximum economy and safety with lower extract air volumes and therefore lower power consumption. General purpose fume cupboards according to EN 14175 prevent fumes, aerosols and dusts escaping into the laboratory in dangerous quantities or concentrations.

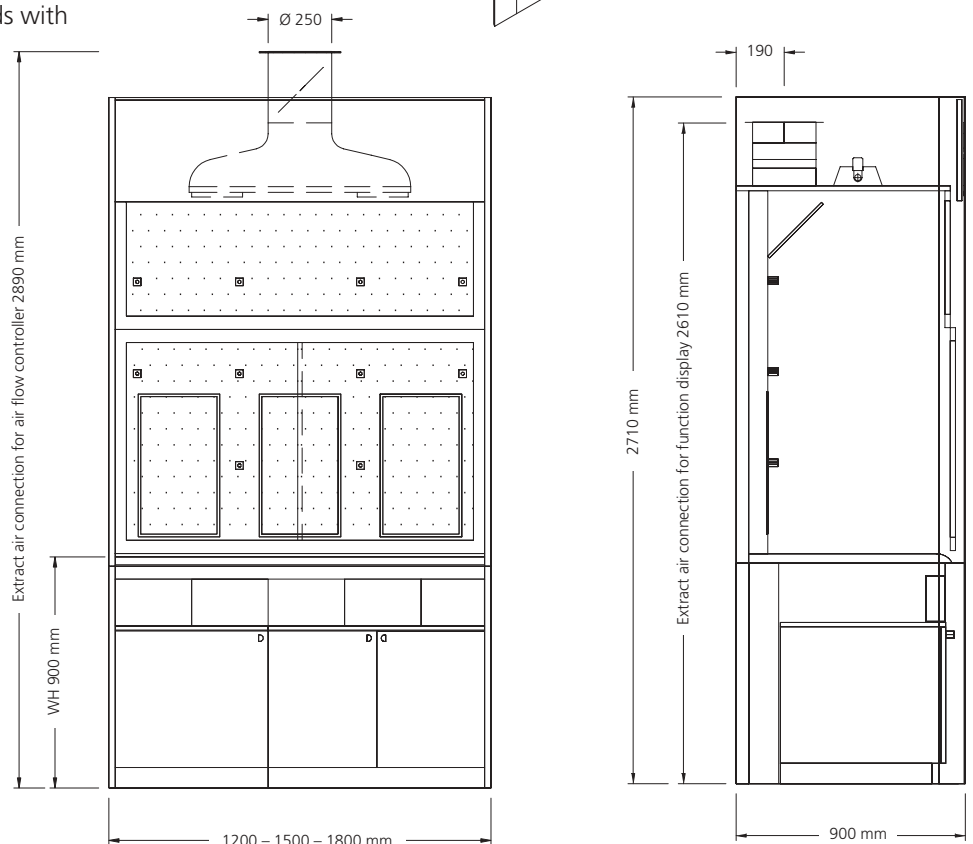
The following substances are not approved for use in Secuflow bench mounted fume cupboards:

- Radioactive substances
- Microorganisms
- Genotype modified substances

Secuflow bench mounted fume cupboards are not suitable for pulping works. This instruction also applies to Secuflow bench mounted fume cupboards with ceramic liner.



- 1 Sash handle
- 2 Worktop
- 3 Display and operating device
- 4 Upper sash window
- 5 Fascia panel
- 6 Extract-air manifold
- 7 Baffle with integrated service panels
- 8 Vertical sash
- 9 Service module



Technical data

Data			
Widths (mm)	1200	1500	1800
Height (mm)	2710	2710	2710
Depth (mm)	900	900	900
Clear internal height in the workspace (mm)	1440	1440	1440
Clear internal width in the workspace (mm)	1150	1450	1750
Weight in kg (without installations)	250	300	350
Scaffold points for Ø 13mm	7	10	10
Service panels	2	3	3
Light switch, lighting	Standard	Standard	Standard

You will find further information on the Secuflow bench mounted fume cupboard with supportive flow technology in printed form in our Secuflow brochure and for download in the Internet at www.waldner-lab.com

Variants	
Worktops	Technical ceramic material, polypropylene, stainless steel, epoxy resin, tiles, stoneware compound worktop
Internal lining	Melamine resin, technical ceramic material, polypropylene, solid grade laminate
Glazing of the side panel	Left and/or right side possible, not on version with internal lining in technical ceramic material
Cable through-put in the solid side panel	Left and/or right side, possible with all internal lining variants
Underbench units	(see section 4: Storage space - underbench unit for fume cupboards)
Electrical supply	Internal and/or external sockets
Water supply	Take-off valves for water, gases, pure gases and high purity gases
Drip cup on the service panel	Polypropylene, technical ceramic material
Lighting	In ex-proof version
Electrical/RCCB	Optional
Sash controller SC	Optional

Ventilation technics variants (see section 3.14)	
Function display	FAZ*
Constant airflow damper	Air flow controller AC
Variable airflow damper	Air flow controller AC
Cross slide acquisition	Only with variable air flow controller AC

* Control system for the regulation of air exchange rates must be at a distance of at least 250 mm from the soffit for the collection duct to avoid interference with the FAZ measurement.

Air data <i>mc6</i> – EN 14175 for Secuflow bench mounted fume cupboards	
Dimensions (mm)	Minimum value according to EN 14175 (m ³ /h)
1200x900x2710	360
1500x900x2710	450
1800x900x2710	540

All air quantity figures relate to a sash opening height of 500 mm and the recommended trace gas maximum values from the German industry body BG Chemie.

On the use of on-site extract air control systems and other product rules, the air quantities may vary. For this reason the operating limits must be agreed with Waldner in advance.

A maximum extract pressure of 600 Pa should not be exceeded.

The minimum extract volume must not drop below 300 m³/h per running metre fume cupboard width according to EN 14175 and should therefore not be used as the basis for the design of the ventilation system.

We are of course always available at any time to answer any questions during the planning or implementation of your project.