



VON GAHLEN

# SHIELDED FUME HOOD – R&D SPECT

The shielded fume hood - R&D SPECT is designed for safe manipulation of radioactive materials. It provides complete and safe personnel protection for the operator with a sliding lead glass window and lead shielding of 10 mm thick in the walls and workbench.

Model VG-SFH-S

## KEY FEATURES

- Ergonomic design: sloped front
- High performance low flow hood (Energy Efficiency)
- Available in three sizes : 1000 / 1300 / 1600 mm wide
- Lead shielding: 10 mm
- Internal liner: special resin (composite material specifically designed for use as internal liner in laboratory fume hoods)
- Manually driven front sash, equipped with counter weight for ease of operating and exact positioning
- When sash is raised above 457 mm [18.0"], it will automatically and gently fall back to the safe level unless held in place

HIGH PERFORMANCE LOW FLOW HOOD (ENERGY EFFICIENCY)

ERGONOMIC DESIGN: SLOPED FRONT

SHIELDED WASTE COMPARTMENT WITH 10 OR 25 MM LEAD, OPENING IN WORKBENCH WITH SHIELDED LID

LARGE LEAD GLASS WINDOW

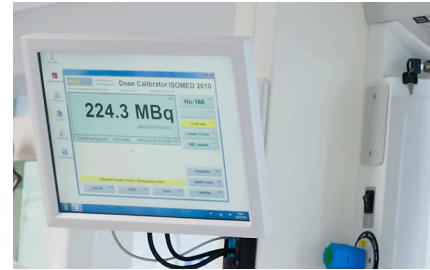
INTEGRATED MEASUREMENT SOLUTIONS



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FOR SURE



### TECHNICAL DATA

- Exterior finish Traffic white (RAL 9016), easy to decontaminate
- Electrical cabinet is fully serviceable from the front
- Minimal door width for installation of the hood is 940 mm
- Outside dimensions, exhaust flow [face velocity 0,3 m/s-sash opening 450mm]:  
SFH1000: 1370\*950\*2650 mm [W\*D\*H], 540 m<sup>3</sup>/h  
SFH1300: 1670\*950\*2650 mm [W\*D\*H], 780 m<sup>3</sup>/h  
SFH1600: 1980\*950\*2650 mm [W\*D\*H], 870 m<sup>3</sup>/h
- Internal workspace dimensions, weight 10 mm shielding:  
SFH1000: 1000\*675\*1230 mm [W\*D\*H], 1250 kg  
SFH1300: 1300\*675\*1230 mm [W\*D\*H], 1300 kg  
SFH1600: 1600\*675\*1230 mm [W\*D\*H], 1350 kg
- Working height: 838 mm (standing position)
- Power connection: 230 V, 50 Hz, 16 A
- Exhaust outlet diameter 305 mm (12.0")

### OPERATOR / PRODUCT SAFETY

- Lead shielding on table, side walls and back wall up to 1000 mm above table level
- Ergonomic design: sloped front
- Moveable barrier hood: 400 mm [W] including lead glass window 350\*440 mm [W\*H] (effective) 10 mm equivalent
- Easy cleaning inside the hood
- Removable front panel facilitates easy access to lighting and other electrical components mounted above the hood work chamber

### FUNCTIONS

- Interior and exterior finish complies with pharmaceutical regulations for cleaning and validation
- High load per cover plate: 60 kg
- Four individual pieces single power socket 230V in front of cabinet
- Typical light intensity on work surface is >1076 lux (>100 foot candles)

### OPTIONS

- Shielded waste compartment with 10 or 25 mm lead, opening in workbench with shielded lid
- Additional opening in workbench for shielded waste compartment (waste separation)
- Shielded ion chamber with 10 or 25 mm lead suitable for ISOMED ion chamber
- Modification of ion chamber shield to house other ion chamber systems (Capintec, Atomlab)
- Electric ionization chamber lift
- Foot pedal control for ionization chamber lift
- Universal support (outlet, cable pass through, arm for laptop or ion chamber control unit)
- Airflow monitoring at sash opening and alarm (Sentinel XL Airflow Monitor)
- Gas connections inside hood, regulating valve in front panel: specify O, N, Ar, compressed air, vacuum
- SS316 worktop
- Automatic sash positioning system
- Extended cover plates to specified height

MORE INFO?  
Please contact  
[sales@vongahlen.com](mailto:sales@vongahlen.com)  
Or visit  
[www.vongahlen.com](http://www.vongahlen.com)

