

# SHIELDED LAMINAIR HOOD – SPECT

The shielded laminar hood - SPECT is designed to provide a sterile and safe environment for manipulations in low energy gamma applications.

This shielded laminar hood can be equipped with a generator safe to safely store Molybdenum-Technetium generators. The hood itself provides a sterile environment for the elution, preparation and dispensing of spect isotopes labelled compounds.

## **Model VG-SLH-S**

### KEY FEATURES

- Ergonomic design: sloped front and exceptional legroom underneath the cabinet
- Available in three sizes: 1300 / 1600 / 1900 mm wide
- Lead shielding: 10 mm
- Optimally illuminated working area via dimmable non-glare LED (0-1.100 Lux)
- Sound pressure level: 49-59 dB (A) (ISO11201)
- Fully Integrated large monitor in back wall for dose calibrator read-out
- State of the art laminar hood designed according to Class II, EN1246
- Stainless steel (AISI 304) working area with bottom sink and three cover plates
- Electrically driven front sash for ease of operating and exact positioning

**FULLY INTEGRATED LARGE MONITOR IN BACK WALL FOR DOSE CALIBRATOR READ OUT**

**ELECTRICALLY DRIVEN FRONT SASH FOR EASE OF OPERATING AND EXACT POSITIONING**

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

**LARGE LEAD GLASS WINDOW**

**INTEGRATED MEASUREMENT SOLUTIONS**



**YOUR GUARANTEE FOR QUALITY. 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 820 mm
  
- Outside dimensions, exhaust flow:  
SLH1300: 1470\*870\*2475 mm (W\*D\*H), 450 ± 50 m<sup>3</sup>/h  
SLH1600: 1770\*870\*2475 mm (W\*D\*H), 550 ± 50 m<sup>3</sup>/h  
SLH1900: 2070\*870\*2475 mm (W\*D\*H), 650 ± 50 m<sup>3</sup>/h
  
- Internal workspace dimensions, weight with 10 mm shielding:  
SLH1300: 1260\*620\*640 mm (W\*D\*H), 850 kg  
SLH1600: 1560\*620\*640 mm (W\*D\*H), 950 kg  
SLH1900: 1860\*620\*640 mm (W\*D\*H), 1050 kg
  
- Generator vault with 50 mm shielding 1085 kg
- Working height: 838 mm (sitting position)
- Air velocity in work zone: 0,45 m/s, Grade A
- Power connection: 230 V, 50 Hz, 16 A

## SOFTWARE/CONTROL

- Green / red LED illuminating the safety glass and the working area to indicate the current status and alarms related to the functioning of the cabinet
- Touch display; Intuitive use and easy to use menu navigation in several languages with PIN code protected user profiles
- All safety-related parameters are displayed as large graphical images
- Integrated 22" monitor in back wall, format 16:9

## OPERATOR / PRODUCT SAFETY

- Microbiological safety cabinet, Class II, EN12469 certified
- Lead shielding 10 mm on table, side walls and back wall up to 1000 mm above table level
- Ergonomic design: sloped front and exceptional legroom underneath the cabinet

- Moveable barrier inside hood: 363 mm (W) including lead glass window 10 mm Pb equivalent 300\*400 mm (W\*H) (effective)
- Motion sensors register movements of people and the resulting disrupted airflow near the work opening and creates a clear warning signal

## FUNCTIONS

- Built-in laminar down flow unit with 99,995% efficient H14 filter
- Interior and exterior finish complies with pharmaceutical regulations for cleaning and validation
- High load per cover plate: 60 kg
- Two pieces single power socket 230V inside cabinet
- one double USB connection and one double CAT6 connection
- Filter test connection point
- Electrically driven front sash for ease of operating and exact positioning
- Front sash with multi-layer safety glass with UV – light absorbing interlayer

## OPTIONS

- Shielded lead glass in movable barrier 6 mm Pb equivalent, replacing the 10 mm Pb equivalent
- 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
- Generator vault shielded with 25, 50 or 75 mm lead

- Universal support (outlet, cable pass through, arm for laptop or ion chamber control unit)
- Various interfaces, media connections and particle monitoring in back wall
- UV-C sterilization system with timer function via touch screen
- Extended cover plates to specified height

**MORE INFO?**  
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Or visit  
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