

# SHIELDED LAMINAIR HOOD – PET

The shielded laminar hood - PET is designed to provide a sterile and safe environment for manipulations in high energy gamma applications. This shielded laminar hood provides a sterile environment for the elution, preparation and dispensing of PET isotopes labelled compounds.

 **Model VG-SLH-P**

## KEY FEATURES

- Available in three sizes: 1300 / 1600 / 1900 mm wide
- Lead shielding: 35 or 50 mm
- Optimally illuminated working area via dimmable non-glare LED
- Large monitor in back wall for dose calibrator read-out
- State of the art laminar hood
- 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 moveable body shield for optimal ergonomics

**OPTIMALLY ILLUMINATED  
WORKING AREA VIA DIMMABLE  
NON-GLARE LED**

**LARGE LEAD  
GLASS WINDOW**

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



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

**INTEGRATED  
MEASUREMENT  
SOLUTIONS**

**YOUR GUARANTEE FOR QUALITY. FOR SURE.**



## TECHNICAL DATA

- Outside dimensions, exhaust flow:  
SLH1300: 1510\*900\*2475 mm (W\*D\*H), 450 ± 50 m<sup>3</sup>/h  
SLH1600: 1810\*900\*2475 mm (W\*D\*H), 550 ± 50 m<sup>3</sup>/h  
SLH1900: 2110\*900\*2475 mm (W\*D\*H), 650 ± 50 m<sup>3</sup>/h
- Internal workspace dimensions:  
SLH1300: 1260\*620\*640 mm (W\*D\*H)  
SLH1600: 1560\*620\*640 mm (W\*D\*H)  
SLH1900: 1860\*620\*640 mm (W\*D\*H)
- Weight with 35 mm / 50 mm shielding:  
SLH1300: 2090 kg / 2880 kg  
SLH1600: 2370 kg / 3260 kg  
SLH1900: 2640 kg / 3640 kg
- Working height 838 mm [sitting position]
- Air velocity in work zone: 0,45 m/s, Grade A
- Exterior smooth finish: Signal white [RAL 9003] stand alone or traffic white [RAL 9016] in hot cell
- Combination, easy to decontaminate
- Power connection: 230 V, 50 Hz, 16 A
- Adjustable work space illumination [0-1.100 Lux]
- Monitor [22", format 16:9] in back wall

## 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 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 250\*300 mm [W\*H] (effective) 35 or 50 mm lead equivalent
- Moving measurement system registers 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 HEPA 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 waste compartment with 35 or 50 mm lead, opening in workbench with shielded lid
- Additional opening in workbench for shielded waste compartment [waste separation]
- Shielded ion chamber with 50 or 75 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]
- 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?**  
Please contact  
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Or visit  
[www.vongahlen.com](http://www.vongahlen.com)

