

SHIELDED LAMINAR HOOD

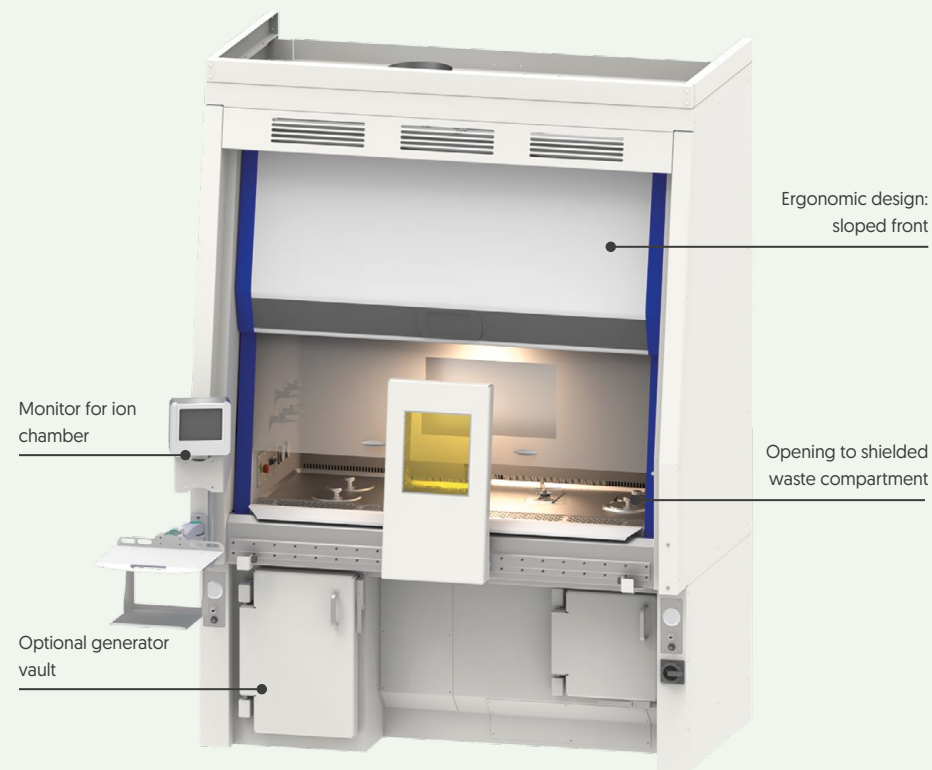
The shielded laminar hood is a Microbiological safety cabinet and designed for aseptic preparations like compounding, elution, dispensing, testing and QC control of radiopharmaceuticals with an ISO Class 3 work zone. This hood will provide a safe environment for the protection of the product, operator and environment.

This shielded laminar hood can be equipped with a generator safe, designed to store up two generators safely. This laminar hood is operated in a sitting position and has a moveable body shield, including a large lead glass window, which ensures an ergonomic solution.

Designed according to Class II EN12469 and NSF/ANSI 49 in two variants: Type A2 [recirculating with room] and Type B2 [non-circulating with fixed duct when handling volatile radiopharmaceuticals, e.g., iodine or radioactive gases].

It is available in several sizes and shielding thicknesses.

Variants	VG-SLH – 4'	VG-SLH – 5'	VG-SLH – 6'
Outside dimensions (mm) [W*D*H] Type A2 & B2	1.580*1.150*2.650	1.885*1.150*2.650	2.190*1.150 *2.650
Inside dimensions (mm) [W*D*H] Type A2	1.220*625*720	1.525*625*720	1.830*625*720
Inside dimensions (mm) [W*D*H] Type B2	1.263*623*720	1.568*623*720	1.873*623*720
Max Weight @10 mm shielding without options [Kg]	1.850	1.950	2.250
Max Weight @35 mm shielding without options [Kg]	3.100	3.350	3.800
Max Weight @50 mm shielding without options [Kg]	3.950	4.300	4.850
Type A2 (recirculating) Exhaust @ 0,53 m/s face velocity and 203 mm sash (m3/hr)	492	608	724
Type B2 (full exhaust) Exhaust @ 0,53 m/s face velocity and 203 mm sash (m3/hr)	1.893	2.340	2.787





STANDARD FEATURES

Radiation protection

- Lead shielding on the table, side walls, and back wall up to 1.000 mm above working table level.
- Moveable body shield for optimal reach, including a large lead glass window.
- Lead glass window shielding capacity is body shield lead wall equivalent.

Sample & product handling

- Microbiological safety cabinet, Class II, EN12469 and NSF 49 certified.
- Available in A2 (recirculating with room) and B2 (full exhaust with fixed duct).
- Real-time airflow sensor, with alert.
- Preparation for isokinetic probe

Air handling/ distribution

- Average air velocity in work zone: inflow 0,53 m/s, downflow 0,36-0,5 m/s.
- Sound pressure level: <68 dB [A].
- Built-in laminar downflow unit with 99,999% efficient HEPA H14 filter.
- Exhaust filter H14

Cleaning

- Interior finish complies with pharmaceutical regulations for cleaning and validation.
- Stainless steel [AISI 316] working area with drip pan and large chamfered corners for easy cleaning.
- Exterior finish coating traffic white [RAL 9016], easy to clean.

System operation/ control

- Ergonomic design: sloped front and exceptional legroom underneath the cabinet.
- Touch display of hood: Intuitive use with 3D illustrations and easy-to-use menu navigation.
- Working height based upon sitting position.
- Optimally illuminated working area via dimmable nonglare LED (Minimal 750 Lux).

Utilities

- Power sockets inside the cabinet.
- One RJ45 connections on left hand inside and right hand inside.
- One USB-A connections on left hand inside and right hand inside.
- Frontal connectors for USB and RJ45 (on outside)
- Sample tube for FIT test
- Front sash with multi-layer safety glass with UV – light absorbing interlayer.

OPTIONAL FEATURES

- Shielded waste compartment with 25 or 50 mm lead, opening in workbench with shielded lid (weight approx. 510 Kg with 50 Lead).
- Shielded ion chamber with 25 or 50 mm lead suitable for our commonly used Dose calibrators (weight approx. 370 Kg with 50 mm lead).
- Movable body shield with extra shielding (total of 35 or 50 mm)
- Ionization chamber lift system, foot pedal operated (instead of manual dipper).
- Laptop support (including outlet and cable pass-through).
- Printer support
- UV-C sterilization system with timer function
- 2 or 4 Brass gas fixtures on/off from the inside, supporting quality 5.0.
- 2 or 4 Stainless-steel gas fixtures on/off from the inside, supporting quality 5.0.
- Raising cover panels to ceiling level
- The generator vault is shielded 50 mm lead and equipped with two elevators for two generators. Integrated beneath the working table on the left side, the vault's weight is approx. 1.100 Kg. (minimal required hood width for this option is 5')
- 22" LCD screen in back wall (screen protected by glass plate)
- Exhaust collar for fixed exhaust connection (A2 only)
- Inflow collar for ducted air (B2 only)

