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FOR SURE

SHIELDED LAMINAR HOOD

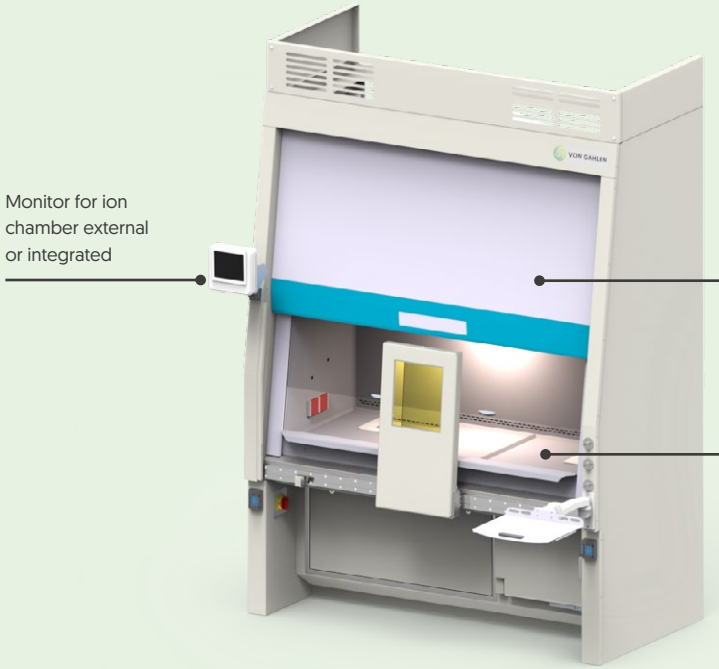
The shielded laminar hood is designed for aseptic preparations like compounding, elution, dispensing, testing and QC control of radiopharmaceuticals with an ISO Class 3 work zone. This hood will provide a safe environment for the protection of the product, operator and environment.

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., volatile 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	1.543*1.085*2.650	1.848*1.085*2.650	2.153*1.085*2.650
Outside dimensions (mm) (W*D*H) Type B2	1.608*1.085*2.650	1.913*1.085*2.650	2.218*1.085*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
Weight @10 mm shielding (Kg)	1.500	1.700	1.900
Weight @35 mm shielding (Kg)	3.500	3.900	4.300
Weight @50 mm shielding (Kg)	4.500	4.900	5.300
Type A2 (recirculating) Exhaust @0,53 m/s face velocity and 305 mm sash (m^3/hr)	710	890	1.065
Type B2 (full exhaust) Exhaust @0,53 m/s face velocity and 305 mm sash (m^3/hr)	1.476	1.824	2.173



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The images shown are for illustrative purposes only. The actual product may vary in design, color, and specifications.

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 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 isokinectic probe.

Air handling / distribution

- Average air velocity in work zone: inflow 0,53 m/s, downflow 0,36-0,54 m/s.
- Sound pressure level: 57-66 dB (A).
- Built-in laminar downflow unit with 99,999% efficient ULPA filter.

Cleaning

- Interior finish complies with pharmaceutical regulations for cleaning and validation.
- Stainless steel (AISI 316) working area with bottom sink and large radius 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: Intuitive use with 3D illustrations and easy-to-use menu navigation.
- Working height: 838 mm (sitting position).
- Optimally illuminated working area via dimmable non-glare LED (0-1.200 Lux).

Utilities

- One duplex power socket inside the cabinet.
- Two RJ45 connections.
- Two USB-A connections.
- Filter test connection point.
- Front sash with multi-layer safety glass with UV – light absorbing interlayer.
- The electrical cabinet is fully serviceable from the front.

OPTIONAL FEATURES

- Shielded waste compartment with 50 mm lead, opening in workbench with shielded lid (weight approx. 790 Kg).
- Shielded ion chamber with 50 mm lead suitable for our commonly used Dose calibrators (weight approx. 370 Kg).
- Ionization chamber lift system, foot pedal operated (instead of manual dipper).
- Universal support (outlet, cable pass-through, arm for laptop or ion chamber control unit / Laptop).
- UV-C sterilization system with timer function via touchscreen.
- Clean room integration, incl. required cover panels.
- The generator vault is shielded 50 mm lead and equipped with two elevators for two technetium generators. Integrated beneath the working table on the left side, the vault's weight is approx. 1.100 Kg.
- Preparation for LCD screen in back wall (screen not included).

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