VON GAHLEN

DISPENSING HOT CELL

The dispensing hot cell is designed for aseptically dispensing sterile radiopharmaceutical solutions with an integrated laminar down flow providing a GMP class A environment.

This cell is a complete solution including; shielded compartment with 75 mm lead all directions and an airtight stainless steel box with rounded corners for easy cleaning.
The DPB is available in two widths and can be equipped with an airlock or with a preparation isolator on the left or right side. Either of these are connected to the main compartment with inner, airtight, lead shielded hinged doors.
These compartments help you to establish the required cascade design values needed to dispense your radiopharmaceutical solutions according to current GMP requirements.

Model VG-DPB-LDF

KEY FEATURES

- Ball tong units for handling materials in the cell
- Glove openings in the front hinged acrylic door
- Product retrieval drawer
- Ion chamber shielding with ionization chamber lift
- Exterior smooth finish easy to decontaminate
- Steel structure built to support all components, lead is not used for any structural support
- Highly configurable options
- Tailormade finished product output layout

YOUR GUARANTEE FOR QUALITY. FOR SURE.

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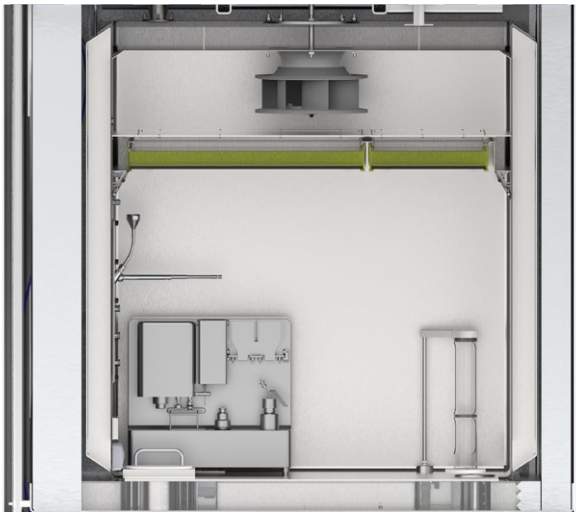

Vertical section view

Tailormade product output

OPERATOR / PRODUCT SAFETY

- 75 mm lead shielding in all walls, roof and floor
- Exterior smooth finish easy to decontaminate
- Internal stainless steel box 316L, optimal micro-surface treatment
- Interior finish complies with pharmaceutical regulations for cleaning and validation
- Air inlet: HEPA filter H13 filters (300 x 300 mm)
- Air refreshes 200 times per hour
- Built-in laminar down flow with 99,995% efficient HEPA filter
- GMP grade A area with constant temperature
- Air velocity in work zone: 0,45 m/s
- Recirculation volume: ± 550 / 800 m3/h
- Leaktightness according ISO10648-2

TECHNICAL DATA

- Outside dimensions: ± 1115 / 1470*1072*2650 mm (W*D*H)
- Inside dimensions: ± 709 / 1024*719*790 mm (W*D*H)
- Air inlet: DN65 including valve
- Designed for constant low temperature
- Air outlet: DN65, including valve
- Air exhaust: max 100 / 120 m3/h
- Flow area ± 709 / 1024*719 mm (W*D)
- Power connection in accordance with local requirements
- Exterior finish: traffic white (RAL 9016)
- Total weight: ± 7.100 / 8.600 kg
- High performance Butyl gloves
- Pass through opening 200x250 (WxH)

OPTIONS

- Preparation box (pb-b)
- Shielded air lock (sa-b)
- Preparation arilock (PA-B)
- Solid waste vault
- Open vial dose divider semi-automatic (OVDD-SA) or fully automatic (OVDD-FA)
- Closed vial dose divider semi-automatic (CVDD-SA)
- Closed vials and syringe dose dispenser (add)
- Universal support (outlet, cable pass through, arm for laptop or ion chamber control unit)
- Digital pressure gauge instead of analog gauge
- Radiation detection system including safety interlock
- Extended cover plates to specified height
- HPV preparation
- Autoclave integration

FEATURES

- Retrieval drawer for finished product vial incl. Von Gahlen Type A transport container
- Front hinged door, manually operated
- Lead glass window: ± 250*250 mm / 300*250 mm (W*H) in front door, 75 mm lead equivalent
- Hinged acrylic door with two glove ports and inflatable seals to maintain airtight integrity
- Two lead shielded sphere units with easy to use tong manipulation system
- Air velocity visible on HMI
- Particle counter preparation, incl. isokinetic probe
- Ionization chamber shield for dose calibrator, 75 mm lead
- Ionization chamber lift
- Analog gauge for measuring the internal pressure in the dispensing compartment
- Analog gauge for measuring the internal pressure in the retrieval drawer
- LED internal light fixtures, switchable from control panel
- Duplex electrical outlet inside hot cell, switchable from HMI
- Control with touch screen HMI
- Compression block including back shielding for custom entry of tubes and cables
- Steel structure built to support all components, lead is not used for any structural support
- Analog gauge for measuring the pressure drop over the down flow filter

MORE INFO?
Please contact
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Or visit
www.vongahlen.com

TÜV NEDERLAND ISO 9001