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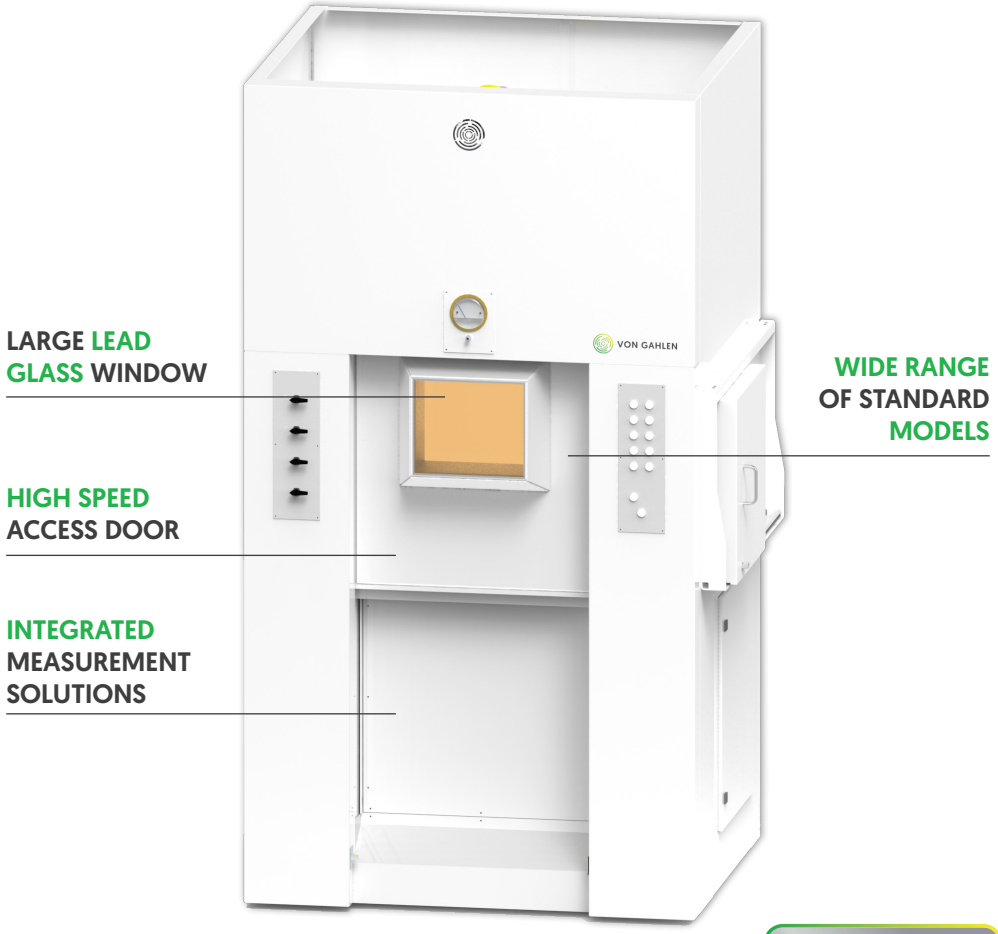
RESEARCH HOT CELL

The research hot cell model is a very versatile hot cell. Over 40 years of shielding design experience has lead to a hot cell design that can meet any research and manufacturing requirements, while maintaining compliance with cGMP standards. The HCR can be configured to meet any laboratory layout with various hot cell connections, a large lead glass window providing full view of the interior and air environmental control. The HCR is precisely engineered and constructed for continuous dependable protection and reliable everyday laboratory use.

As a standard this cell is fitted with basic gas connections. Behind the vertical motor driven lead shielded door, the acrylic door maintains airtight integrity. The main compartment is shielded with 75 mm of lead on all sides. The internal stainless steel box with rounded corners is easy to clean.

Several options such as various gas taps, laptop support and ion chamber lift are available for the HCR.

Model VG-HCR



KEY FEATURES

- High speed access door
- Large interior space
- Integrated ion chamber shielding
- Exterior smooth finish easy to decontaminate
- Highly configurable options
- Also available as USP version

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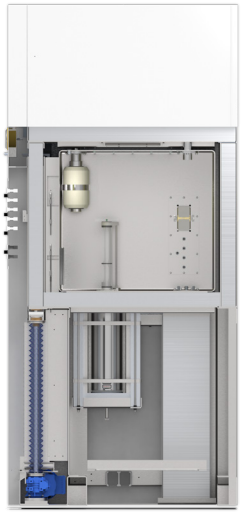

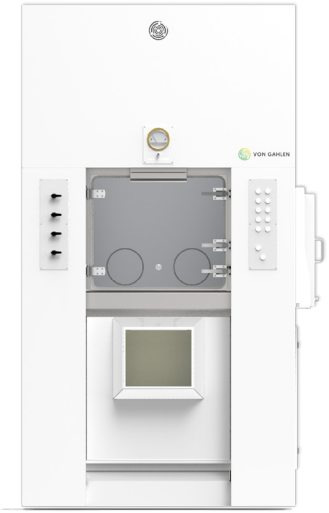

OPERATOR / PRODUCT SAFETY

- 75 mm lead shielding in all walls, roof and floor
- Internal stainless steel box 316L, optimal micro-surface treatment
- Interior finish complies with pharmaceutical regulations for cleaning and validation
- Low voltage control panel for all controls

TECHNICAL DATA

- Outside dimensions: ± 1600*1214*2650 mm (W*D*H)
- Inside dimensions: ± 1200*820*744 mm (W*D*H)
- Door speed: 60 mm/s
- Door opening: ± 686*576 mm (W*H)
- Air inlet: DN40 with HEPA filter, including valve
- Air outlet: DN40, including valve
- Air exhaust: max 20 m^3/h
- Power connection in accordance with local requirements
- Exterior smooth finish: traffic white (RAL 9016), easy to decontaminate
- Total weight: ± 8.000 kg

OPTIONS

- Extended gas regulation
- Storage cabinet beneath main compartment
- Solid / Liquid Waste Vault
- Laminar Flow Insert
- Digital pressure gauge instead of analog gauge
- Internal HEPA / Charcoal exhaust filter
- External shielded HEPA / Charcoal filter
- Ionization chamber shield for dose calibrator, 50 mm or 75 mm lead
- Ionization chamber lift
- Foot pedal control for ionization chamber lift
- Universal support (outlet, cable pass through, arm for laptop or ion chamber control unit)
- Glove ports in shielded front door (and in acrylic door) with hinged plugs
- Glove ports in acrylic door
- Radiation detection system including safety interlock on front door
- Extended cover plates to specified height

FUNCTIONS

- Vertical motor driven lead shielded door with safety interlocks in front wall
- Acrylic door with special seals to maintain airtight integrity
- Large lead glass window: ± 350*300 mm (W*H), 75 mm lead equivalent
- Analog gauge for displaying the internal pressure of the hot cell
- Basic gas connections: three for technical gasses and one for compressed air
- Side door opening: ± 206*246 mm (W*H)
- Target line shielding: 75 mm lead
- Compression block including back shielding for custom entry of tubes and cables
- Two duplex electrical outlet inside hot cell, switched per duplex
- External duplex electrical outlet under hot cell
- Internal light fixtures, switchable from control panel
- Steel structure built to support all components, lead is not used for any structural support

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

ISO 9001