

MODULAR HOT CELL

The modular hot cell model is a very versatile hot cell. Over 40 years of shielding design experience has led to a hot cell design that can meet any research and manufacturing requirement, while maintaining compliance with USP standards. The MHC can be configured to meet any laboratory layout with various hot cell connections, large lead glass window providing full view of the interior, air environmental control, multiple product manipulation and product retrieval options. The MHC is precisely engineered and constructed for continuous protection and reliable everyday laboratory use. The design of the MHC allows for the use of various master slave manipulators.

As a standard this cell is fitted with basic gas connections. Behind the vertical motor driven lead shielded door, the hinged 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 MHC.

 **Model VG-MHC**

KEY FEATURES

- High speed access door
- Large interior space
- Master slave manipulation system
- Integrated ion chamber shielding
- Exterior smooth finish easy to decontaminate
- Highly configurable options

**MASTER SLAVE
MANIPULATION
SYSTEM**

**LARGE LEAD
GLASS WINDOW**

**HIGHLY
CONFIGURABLE
OPTIONS**

**HIGH SPEED
ACCESS DOOR**

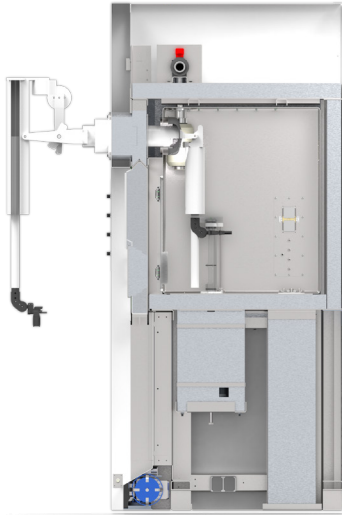
**LARGE INTERIOR
SPACE**



YOUR GUARANTEE FOR QUALITY. FOR SURE.



VON GAHLEN



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: $\pm 1600 \times 1214 \times 2650$ mm / 61*48*104 inch [W*D*H]
- Inside dimensions: $\pm 1200 \times 820 \times 970$ mm / 47*32*38 inch [W*D*H]
- Door speed: 60 mm/s / 11 FPM
- Door opening: $\pm 686 \times 576$ mm / 27*23 inch [W*H]
- Air inlet: DN40 with HEPA filter, including valve
- Air outlet: DN40, including valve
- Air exhaust: max 20 m³/h / 12 CFM
- Power connection in accordance with local requirements
- Exterior smooth finish: traffic white (RAL 9016), easy to decontaminate
- Total weight: ± 9.550 kg / 21,054 lbs



OPTIONS

- Master-slave manipulators, CRL type G-LDR
- Lead plugs instead of master-slave manipulators
- Extended gas regulation
- Storage cabinet beneath main compartment
- Solid and or liquid waste vault
- Digital pressure gauge instead of analog gauge
- Internal HEPA/Charcoal filter
- External shielded HEPA/Charcoal filter
- Ionization chamber shield for dose calibrator, 50 mm / 2 inch or 75 mm / 3 inch 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 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
- Hinged acrylic door with special seals to maintain airtight integrity
- Large lead glass window: $\pm 350 \times 300$ mm / 14*12 inch [W*H], 75 mm / 3 inch lead equivalent
- Analog gauge for displaying the internal pressure of the hot cell
- Basic gas connections: three technical gasses and one compressed air
- Side door opening: $\pm 206 \times 246$ mm / 11*12 inch [W*H]
- Two openings in front wall for master-slave manipulators, CRL type G-LDR
- Target line shielding: 75 mm / 3 inch lead
- Compression block including back shielding for custom entry of tubes and cables
- Two duplex electrical outlet inside the box, switched per duplex from control panel
- 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
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