

SYNTHESIS HOT CELLS

The synthesis box model is designed to house most commercially available synthesis units meeting cGMP guidelines. It provides two shielded compartments with shielding of 75 mm lead in all directions. An internal stainless steel box with sufficient radius in all corners for cleaning and an extractable tray for easy and ergonomical access to the module making it a user friendly synthesis box design. The air inlet is Hepa filtered, air is taken from the front side.

The front doors consists of 2 doors each, the primary hinged lead shielded door and a secondary acrylic door with special seals maintains airtight integrity. As a standard these synthesis boxes are equipped with: shielded target line (from floor level to compartment bottom), power connections and basic gas connections.

Several options like lead glass windows, charcoal filters on exhaust, different gas connections and a laptop support are available for the SB2S.

 **Model VG-SB2S**

KEY FEATURES

- cGMP compliant (Class B air inside compartment)
- Steel structure built to support all components, lead is not used for any structural support
- Highly configurable options

**FULLY
CUSTOMIZABLE**

**ELECTRICALLY SECURED
FRONT DOOR LOCKS**

**FULLY
EXTRACTABLE
TRAY**

**HIGHLY
CONFIGURABLE
OPTIONS**

**SHIELDED TARGET
LINE FROM FLOOR
LEVEL TO HOT CELL**



YOUR GUARANTEE FOR QUALITY. FOR SURE.



OPERATOR / PRODUCT SAFETY

- 75 mm lead shielding in all walls, roof and floor
- Interior finish complies with pharmaceutical regulations for cleaning and validation
- Internal stainless steel box 316L, optimal micro-surface treatment
- Steel structure built to support all components, lead is not used for any structural support

TECHNICAL DATA

- Outside dimensions: $\pm 1200 \times 1030 \times 2650$ mm (W*D*H)
- Inside dimensions: $\pm 742 \times 715 \times 548$ mm (W*D*H) per box
- Hinged acrylic doors with special seals to maintain airtight integrity
- Door opening: $\pm 742 \times 548$ mm (W*H)
- Air inlet: DN40 with HEPA filter, including valve
- Air outlet: DN40, including valve
- Air exhaust: 6 m³/h for Grade B
- Particle counter connection
- Basic gas connections: three technical gasses and one compressed air
- HMI control panel for all controls

- Power connection in accordance with local requirements
- Separately ventilated
- Exterior smooth finish: traffic white (RAL 9016), easy to decontaminate
- Total weight: ± 8.800 kg without extra options

OPTIONS

- Lead glass window in front door: $\pm 150 \times 150$ mm (W*H)
- Universal large diameter product transfer line system to other hot cells, 75 mm lead shielding
- Extended gas regulation
- Digital pressure gauge instead of analog gauge
- Internal HEPA/Charcoal exhaust filter
- External shielded HEPA/Charcoal filter
- Universal support (outlet, cable pass through, arm for laptop or ion chamber control unit) requires additional panel
- Radiation detection system including front door safety interlock
- Extended cover plates to specified height

FUNCTIONS

- Sliding stainless steel tray: 700*510 mm (W*D)
- Analog gauge for displaying the internal pressure
- LED internal light fixtures
- Triple electrical outlet inside hot cell, lower outlet switchable from HMI
- Compression block for custom entry of tubes and cables
- Fully shielded target lines from floor level to hot cell with 75 mm lead shielding: two gas target lines, one corrugated guiding tube for multiple liquid target lines and one waste line
- Separately ventilated compartments



MORE INFO?
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