

DUAL CHEMICAL ENCLOSURE

The dual chemical enclosure model is a perfect combination of value and functionality. Designed for radioisotope manufacturing, the DCE consists of two stacked compartments that can hold most synthesis models currently available. The DCE has 75 mm of lead shielding in all directions, also between upper and lower compartment. It has multiple pass-throughs into both compartments for data cables, utility lines and cyclotron target lines. The electrical control box is mounted on the lower front side of the cell. The DCE can be added to existing cell configuration for expanding radioisotope synthesis capabilities.

Several options such as lead glass windows, gas connections, internal back shields and even an additional third compartment on top are available to customize your synthesis box.

Model VG-DCE

KEY FEATURES

- Reliable solution, America's most used mini cell
- Small foot print
- Highly configurable options
- Also available as USP version
- Fully extractable tray

COMPACT DESIGN

WIDE RANGE OF STANDARD MODELS

FULLY EXTRACTABLE TRAY

SHORT LEAD TIME

DOORS CAN BE KEY LOCKED



YOUR GUARANTEE FOR QUALITY. FOR SURE.





VON GAHLEN



OPERATOR / PRODUCT SAFETY

- 75 mm / 3 inch lead shielding in all walls, roof and floor
- Smooth interior finish
- Internal stainless steel box 316L
- Steel structure built to support all components, lead is not used for any structural support

TECHNICAL DATA

- Outside dimensions: $\pm 1000*1010*1884$ mm / 40*40*74 inch (W*D*H)
- Inside dimensions: $\pm 685*510*610$ mm / 27*20*24 inch (W*D*H)
- Door opening: $\pm 685*610$ mm / 27*24 inch (W*H)
- Air inlet: DN50
- Air outlet: DN50
- Air exhaust: max 25 m³/h / 15 CFM per compartment
- Electrical control box mounted on the lower front side of the hot cell
- Power connection in accordance with local requirements
- Exterior smooth finish: traffic white (RAL 9016), easy to decontaminate
- Total weight: ± 6.400 kg / 14,125 lbs

OPTIONS

- Lead glass window in front doors: $\pm 150*150$ mm / 6*6 inch (W*H), 75 mm / 3 inch lead equivalent
- Basic gas connections: three technical gasses and one compressed air
- Extended gas regulation (additional panel required)
- Analog gauge for measuring the internal pressure (additional panel required)
- Digital pressure gauge instead of analog gauge (additional panel required)
- Internal HEPA/Charcoal exhaust filter
- External HEPA/Charcoal exhaust filter including 25 mm / 1 inch lead shielding
- Internal back shields for air inlet and -exhaust
- External back shields for air inlet and -exhaust, installation depth: + 55 mm / 2 inch
- Radiation detection system
- Extended cover plates to specified height
- Third compartment

FUNCTIONS

- Sliding stainless steel tray: $\pm 649*394$ mm / 26*15 inch (W*H)
- Max useful height on tray is 575 mm / 22^{1/2} inch (H)
- LED internal light fixtures, switchable from front
- One duplex electrical outlet inside hot cell, per compartment
- Two 50 mm / 2 inch diameter openings in each of the roof, floor and dividing floor for customer supplied control cables
- A total of four 50 mm / 2 inch diameter lead plugs for openings in roof and floor
- Fully shielded target lines from floor level to hot cell, 75 mm / 3 inch lead



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

