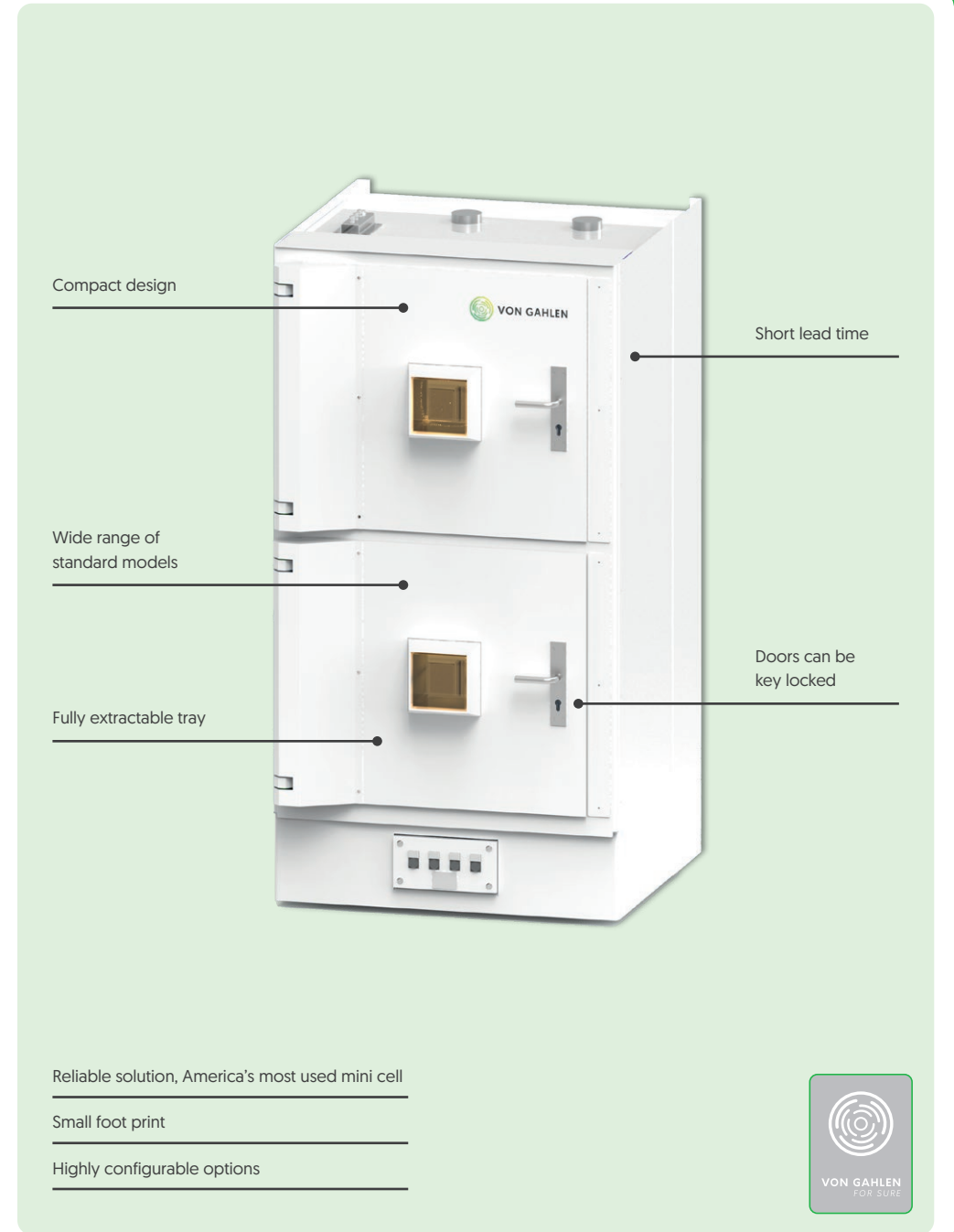


DUAL CHEMICAL ENCLOSURE

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.

Variant	DCE
Outside dimensions (W*D*H)	± 1.000*1.010*1.884 mm / 40*40*74 inch
Inside dimensions (W*D*H)	± 685*510*610 mm / 27*20*24 inch
Door opening (W*H)	± 685*610 mm / 27*24 inch
Air inlet	DN50
Air outlet	DN50
Air exhaust	Max 25 m ³ / 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



Reliable solution, America's most used mini cell

Small foot print

Highly configurable options





STANDARD FEATURES

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.

Functions

- Sliding stainless steel tray: $\pm 649 \times 394$ 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.

OPTIONAL FEATURES

- Lead glass window in front doors: $\pm 150 \times 150$ 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.

