



IMPROVE: SAFETY, RELIABILITY & PRODUCTIVITY,

Model R0

Laboratory Automation & Robotic System Enclosures

for operator protection



FEATURES

- Provides operator protection with doors closed and/or open (qualification based on number of doors that can be open at any time)
- Alternate front access options available, such as horizontal sliding windows
- Excellent all-round visibility of the enclosed system
- Audible and visual alarm indication for low airflow
- Door condition status alarm
- Display/lighting showing status of enclosed robotic system (with option for status lighting above control display position)



Caron is accredited to
BS EN ISO 9001: 2008



Caron systems are CE marked

Caron manufactures from UL approved components

Choose Caron's Model R0 for ultimate protection in any setting



Safe and Efficient Robotics Operation with Caron's R0 Enclosure

Caron manufactures and installs Model R0 enclosures to protect operators from potentially hazardous processes and to create a physical barrier between the operator and automation equipment.

Get Maximum Access with Minimal Risk

Access to the interior of the enclosure during operation is possible through sliding doors, and for out-of-process access, the bi-fold door arrangement can be fully opened. The control panel provides audible and visual alarm indication of low airflow, and the upper and lower main access doors are locked down during operation with T-handles. This enclosure's air flow is a 100% pass-through system, with air in and air out (single pass airflow).

Standard & Custom Finished Cabinets

Caron is highly flexible and we offer enclosure options and finishing to suit your robotics system and the contained process.

Breathe Easy with Model R0's High-Performance Airflow System

The high-performance airflow system draws air into the front open aperture or through air slots within the front aperture when the doors are closed.

The Model R0 is maintained at a slightly negative pressure, drawing air from the environment into the enclosure to protect the operator from the release of harmful substances. The air is filtered through the HEPA and/or Chemcap filtration system mounted in the roof of the enclosure.

The Model R0 cabinets are designed to operate at a minimum face velocity of 0.4m/s with one door open.

The pre-filtration eliminates particles up to 5.0µm with 92% efficiency, and the HEPA filtration eliminates particles up to 0.3µm with 99.995% efficiency. Carbon filtration is also available as an option to remove solvent and acid vapours.



Built to Last, Built for Flexibility

Caron offers a range of options and extras for their Model

RO enclosures, including a computer shelf on flexible arm, carbon filtration, storage and shelving options, a control panel, horizontal sliding door option, waste tips and plates chutes and ventilated container

These options and extras allow customers to customize the Model RO to their specific needs and requirements.

The Model RO enclosures are constructed from high-quality materials and are designed to be self-levelling and mobile, with lockable castors. The largest component of the enclosure can fit through a standard laboratory doorway, making it easy to assemble on site. Caron is committed to providing essential protection solutions for laboratory automation and operator safety. Choose Caron for your protection needs.

Technical Specifications

Model	External dims mm (WxDxH)	Internal dims mm (WxDxH)	Inflow air velocity min m/s
RO1808	1800 x 1280 x 2463	1720 x 1200 x 1184	>0.4
RO220L	2200 x 1280 x 2463	2120 x 1200 x 1184	>0.4
RO260M	2600 x 1280 x 2463	2520 x 1200 x 1184	>0.4

Cabinet supplied with lighting: 2 x 18W sealed fluorescent amps >480lux, electrical sockets: x2. Sound level: <60dBA.

Cabinets available for power supply: 230V, AC, 50Hz, 13Amp, 1Ø and 110V, AC, 60Hz, 20Amp, 1Ø.

Options

- Carbon filtration
- Computer shelf on flexible arm
- Storage and shelving to suit
- Variety of door options
- Waste tips and plates chute and ventilated container

Choose Caron for Unmatched Performance, Quality, and Safety in Hazardous Process Protection. Order now and take advantage of our commitment to quality and customer satisfaction.