CAR⊙N

IMPROVE: SAFETY, RELIABILITY & PRODUCTIVITY,

Model RC

Laboratory Automation
& Robotic Enclosures

For operator and sample/process protection

FEATURES

- Offers in-process operator and product protection with access through 325mm high sliding windows.

- Comes with a programmable control system that displays the status of the enclosure and controls the airflow balance, with an hour counter.

- Exterior mounted display shows the status of the enclosure

- Caron enclosures provide great visibility of the enclosed system.

- Audible and visual alarm signals low airflow and door open warning.

- Display/lighting showing status of enclosed robotic system (with option for status lighting above control display position)

UK CA

ISO 9001
Certificate No. GB2001386

Caron is accredited to

BS EN ISO 9001: 2008

CE   Caron systems are CE marked

Caron manufactures from UL approved components

Choose Caron's RC Class II type enclosure for ultimate protection in any setting.

FILTRATION USED IN RC CLASS II ENCLOSURES

The RC Class II Enclosures are equipped with pre-filtration which eliminates particles of 5.0μm or larger to an efficiency of 92% as per BS EN ISO 779 standards.

Exhaust air filtration is accomplished through HEPA filtration (H14 Standard), which eliminates particles 0.3μm or larger to an efficiency of 99.995%. The downflow laminar air flow is maintained through the use of SINGLE HEPA filtration (H14 Standard). The filtration system used in the RC Class II Enclosures is customizable, with options for HEPA or ULPA filtration.

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The lower door's sliding windows (325mm high) provide easy access while also ensuring operator and sample/process protection through high velocity inflow air (minimum 0.40 m/s U.K. spec 0.51 m/s U.S. spec).

What sets our RC Class II enclosures apart is the customizable design options and rear wall plenum and front access.

Caron's unique 'split innovation' in the fan housing works to make your workspace safe and secure.

At Caron, we understand the importance of a tailored solution

That's why we offer both standard and custom finished cabinets to fit your unique robotics system and contained process needs. Our flexible approach ensures that you get the best solution for your application.

Select the access options that best suit your needs. Personalize your enclosure with the required cable/tubing connections and the color of your choice. Caron goes the extra mile to ensure you experience seamless integration of your robotic system into your enclosure.
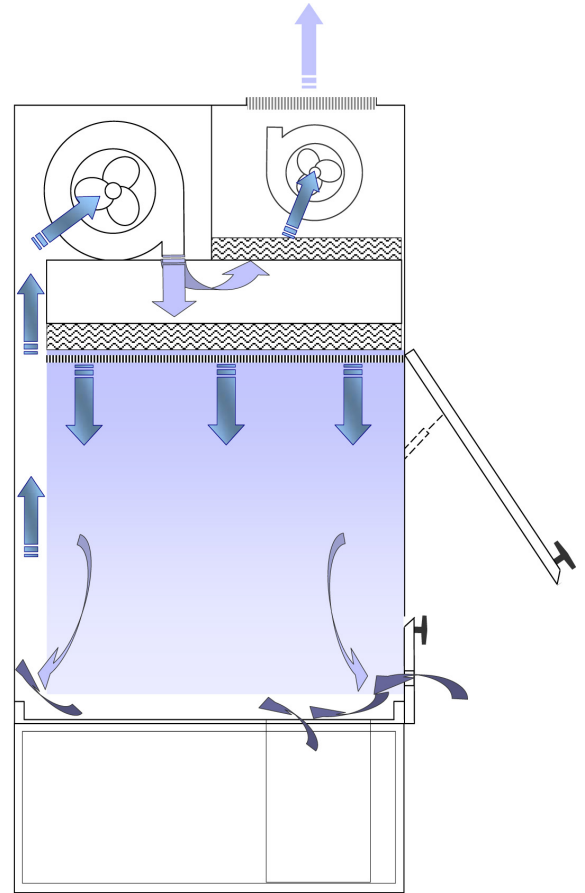
ADVANCED CONTROL SYSTEM

The programmable control system in the RC Class II type enclosure provides you with complete control over the airflow system balance. The exterior display shows the status of the enclosed robotic system and the audible and visual alarm indicators alert you to any changes in the airflow or if the door is open.

ADDITIONAL FEATURES

- **Computer shelf on a flexible arm**

- **Additional electrical sockets to fit the robotic system**

- **Integrated robot system safety switches**

- **Under-bench storage, shelving, and cupboards to fit**

- **Universal control panel with linked UV lighting and timed on/off control**

- **Ventilated waste tips and plate containers**

LAMINAR FLOW

Our enclosure features a carefully designed airflow system to minimize turbulence caused by the presence of the robot and arm movement. **High inflow velocities ensure that the laminar airflow within the enclosure remains intact and protects personnel at all times.**

MEETS GLOBAL STANDARDS

Caron's RC Class II type enclosure is designed to meet international standards for biological safety. It has been tested and certified to meet the stringent requirements of NSF Standard 49 (Category A2) and EN 12469: 2000. These standards ensure that the enclosure provides adequate protection against the release of hazardous biological agents, making it suitable for use in a variety of Class II biohazard applications.

Model	External dims mm (WxDxH)	Internal dims mm (WxDxH)
RC180P	1800 x 1400 x 2570	1720 x 1200 x 1063
RC220Q	2200 x 1400 x 2570	2120 x 1200 x 1063
RC260R	2600 x 1400 x 2570	2520 x 1200 x 1063
RC300S	3200 x 1400 x 2570	2920 x 1200 x 1063*

* 1263 with optional height extension

Sound level: <65dBA. Lighting: 2 x 18W sealed fluorescent amps >480lux. Cabinets available for power supply: 230V, AC, 50Hz, 13Amp, 1Ø and 110V, AC, 60Hz, 20Amp, 1Ø

Available Accessories

Description	Part Number
Adjustable Feet, M12 (6 pc)	ADF01/02
Computer Monitor Arm	CMA01/01
Door Switches (Upper doors)	DRS01/01
Emergency Stop Button	ESB02/01
Incubator Stand and Brackets	ISB01/01
Status, dry contacts for alarm	STS01/01
Status light stack, RGY	STS02/01
Tip Box and Chute	TBC02/01
Bin for Tip Box	TBC11/01
Transfer Port, side, customer located	TPF03/01
Transfer Port Tunnel, side, custom located (requires TPF03/01)	TPF04/01
Under Bench Draw Unit	UBD02/01
Fumigation Panel Kit, Height Extensions, and High Pressure Laminate half-shelfs are also available, but unit dependent	