

REACH-IN CO₂ INCUBATORS

6024, 6026, 6044 & 6046 SERIES



CARON
Opening Doors for Scientists

CUSTOMER DRIVEN DESIGN

RELIABLE, LARGE CAPACITY REACH-IN CO₂ INCUBATORS



The interior is easily removed without tools! This feature includes a unique stainless steel latch that snaps interior components in place. The entire interior is removed in a matter of minutes.



The caster/leveling foot combination comes standard.

Caron's Reach-In CO₂ Incubators provide the ideal environment for small to large scale, high volume cell culture. Our large capacity units come in 25 and 33 cu. ft. sizes with standard and refrigerated versions available.

Our CO₂ Incubators are designed to provide the most stable and accurately controlled environment for your cell cultures. Our design goes further than competitive models that offer the basic technologies to create cell culturing conditions.

Our Reach-In units utilize controlled systems to create the ultimate conditions for your research. RTD controlled temperature, **gVapor™** controlled humidity and an Infrared (IR) CO₂ Sensor work together to not only accurately control conditions,

but to aid in recovery faster than any other technologies available in large capacity cell culture incubators.

These premium incubators also offer the latest in customer convenient design and in energy efficient technology. Caron's entire line of large capacity incubators are the only Reach-In CO₂ incubators to provide modern customer driven technologies to aid in maximizing your research volume.

These large capacity units come standard with unique features, including: energy-efficient components, swivel casters and leveling feet, a tool-less removable interior, an automatic, rapid overnight decontamination cycle, lockable control panel and more!

FEATURES & BENEFITS

AT A GLANCE STANDARD FEATURES

- The Model 6024 and 6044 have a temperature range of 10°C above ambient to 60°C. Temperature is controlled with a drift-resistant RTD temperature sensor, providing stable temperature control over long periods of time.
- Our earth friendly **gVapor™** creates controlled humidity. It delivers humidity vapor as-needed without wasting energy or generating heat, eliminating the need for a water pan.
- An IR sensor is utilized to maintain a CO₂ range of 0 to 20%. Caron's IR sensor quickly recovers CO₂ after door openings and provides an ultra-stable environment where your cell cultures will thrive.
- The rapid decontamination cycle cleans the incubator overnight, minimizing downtime.
- Caron's gentle horizontal airflow system generates evenly distributed airflow across all shelf locations. Maximum uniformity and rapid recovery are maintained, even under heavy loads.
- The interior consists of polished stainless steel, which is highly resistant to corrosion, and aids in an easy and effective cabinet wipe-down when needed.
- The adjustable shelves are readily arranged to meet your application's needs and slide out, making samples at the back of the chamber easy to access.
- Our "tool-less" interior design allows you to remove the interior components effortlessly for routine cleaning or to set up multiple configurations.
- A heated, triple-pane glass door minimizes condensation for a clear view of your product and aids in fast temperature recovery.
- The control panel is lockable to minimize the possibility of unauthorized access to the controls.
- Units come standard with leveling feet and casters, which make installation and relocation easy.
- A wide range of accessories are available, allowing you to customize the incubator for your application.



25 cu. ft. Model 6026 shown with shakers and optional accessory SHKR301, two-tier Shaker Support System.

REFRIGERATED CO₂ INCUBATORS MODEL 6026 & 6046

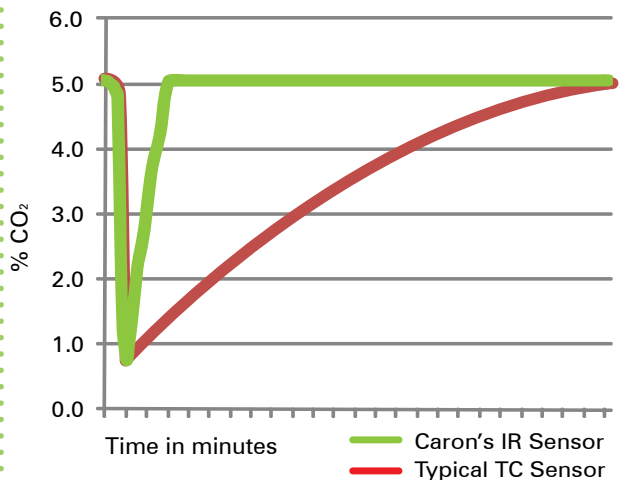
- Caron's large capacity refrigerated CO₂ incubators are designed for more demanding applications with all of the features and benefits listed above.
- The Refrigerated CO₂ Incubators, Model 6026 and 6046, have a temperature range of 5°C to 60°C, for applications where the heat generated by shakers or stirrers must be removed.
- Models 6026 and 6046 feature Caron's earth friendly **gROD™**, Refrigeration on Demand, to efficiently manage power consumption and save energy.

BEST IN CLASS FEATURES

CONTROLLED HUMIDITY AND IR SENSOR PROVIDE PRECISE CONDITIONS



Model 6044, 33 cu. ft. unit shown with extra shelving.



Typical CO₂ response to a thirty second door opening.

gVapor™ Controlled Humidity

- The Reach-In CO₂ Incubator series utilizes Caron's earth-friendly **gVapor™** humidity, which controls humidity to a user selectable setpoint.
- **gVapor™** eliminates the need for a water pan, therefore eliminating standing water and reducing the risk of contamination.
- Unlike conventional water pan incubators which rely solely on evaporation, **gVapor™** rapidly recovers humidity by injecting it as needed. Humidity recovery is up to 5X faster than typical water pan systems.
- By controlling humidity to a specific setpoint, **gVapor™** allows the CO₂ incubator to control humidity at elevated levels without creating condensation.
- An optional earth friendly water recycling/purification system (Model CRSY102-1) is available to provide the ideal water source for the incubator. The system can utilize tap water and purify it for use in the incubator.

IR CO₂ Sensor

- Caron's CO₂ incubators utilize a single beam, dual-wavelength IR CO₂ sensor to obtain the most accurate CO₂ reading inside the incubator. It is the leading, proven technology in the field of CO₂ measurements.
- A Thermal Conductivity (T/C) sensor, which is affected by temperature and humidity, is the method for measuring CO₂ in most competitive models. Our IR sensor only reads CO₂, offering unmatched precise control and stability over wide temperature and relative humidity ranges.
- The IR sensor is silicon based, making it durable in demanding applications and giving it a long, reliable operating life.
- Adjusting CO₂, temperature or humidity setpoints does not require any type of re-calibration of the IR sensor, unlike T/C sensors, which need re-calibrated any time a setting is changed.

DECON CYCLE

A LOOK AT CARON'S RAPID, OVERNIGHT DECONTAMINATION CYCLE

Safe cell and tissue cultures

Caron's design incorporates the latest technologies to prevent contamination and to keep your cell cultures safer than ever.

The entire interior of the incubator is constructed of high grade polished stainless steel. All of the interior metalwork components are easily removed without the use of tools. The unique "tool-less" removable interior allows for simplified routine incubator cleaning.

Decontamination cycle

While every precaution is taken to avoid susceptibility to contamination, an easy to use, maintenance free decontamination cycle is standard for added peace of mind.

Our incubators utilize a time-tested, effective method of decontamination. Caron's 90°C moist heat decon cycle is a scientifically proven method for safe and effective decontamination.

Unlike dry heat decontamination cycles, extreme temperatures are not required to decontaminate. Decontamination cycles requiring high temperatures to eliminate contaminants cause unnecessary strain on an incubator's interior components.

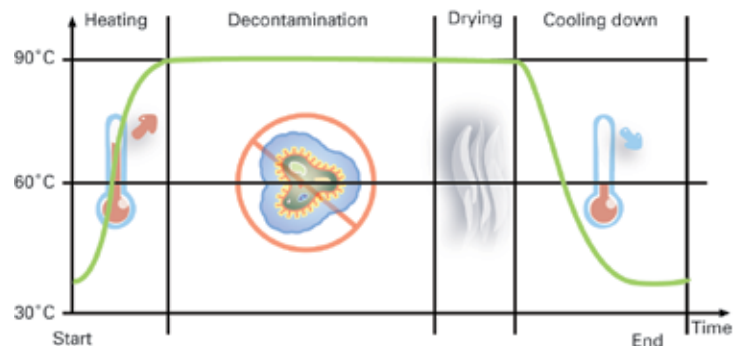
Caron's design further simplifies and accelerates conventional moist heat cycles by adding a drying phase, making it the fastest 90°C moist heat decontamination cycle on the market.

This new feature occurs at the end of the decon cycle and pumps HEPA filtered air into the incubator. The result is a clean, dry incubator with no additional clean up required! The drying cycle quickly cools the incubator in the final phase of the maintenance free, overnight decon cycle.



Model 6024 shown with standard shelving.

By simply pressing "Decon" switch, the incubator rapidly cleans the unit overnight. Messy incubator wipe down is eliminated.



SPECIFICATIONS & OPTIONAL ACCESSORIES

Model	6024-1	6024-2	6024-3	6026-1	6026-2	6026-3	6044-1	6044-2	6044-3	6046-1	6046-2	6046-3
Temperature Range	10°C above ambient to 60°C			5°C to 60°C			10°C above ambient to 60°C			5°C to 60°C		
Temperature Control	±0.1°C											
Temperature Uniformity	±0.3°C											
Temperature Sensor	RTD											
Humidity Range	Ambient to 95%RH											
Humidity Control	±3% RH											
Humidity Sensor	Capacitive											
CO ₂ Range	0-20% CO ₂											
CO ₂ Control	±0.1% CO ₂											
CO ₂ Sensor	Infrared CO ₂ Sensor											
Interior Dimensions	32" W x 27" D x 52.7" H (81.3 cm x 68.6 cm x 133.9 cm)						32" W x 27" D x 65.7" H (81.3 cm x 68.6 cm x 166.9 cm)					
Interior Construction	Type 304, 2B Finish Solid Stainless Steel											
Exterior Dimensions	35.5" W x 33.3" D* x 77.1" H (90.2 cm x 84.6 cm x 195.8 cm)						35.5" W x 33.3" D* x 90.1" H (90.2 cm x 84.6 cm x 228.9 cm)					
Exterior Construction	Powder Coated Cold Rolled Steel											
Work Space	25 cu. ft. (708 liters)						33 cu. ft. (934 Liters)					
# of Shelves	4 Standard; 25 Maximum						5 Standard; 31 Maximum					
Shelf Construction	Type 304, Perforated Stainless Steel, Electropolished											
Shelf Dimensions	29.25" W x 24.45" D (74.3 cm x 62.1 cm)											
Electrical	115V 60 Hz 13A	208/ 230V 60 Hz 7A	230V 50 Hz 7A	115V 60 Hz 16A	208/ 230V 60 Hz 10A	230V 50 Hz 8A	115V 60 Hz 13A	208/ 230V 60 Hz 7A	230V 50 Hz 7A	115V 60 Hz 16A	208/ 230V 60 Hz 10A	230V 50 Hz 8A
Shipping Weight lbs.	725		825**	725		875**	775		1,050**	800		1,100**
Shipping Weight kg.	329		374**	329		397**	352		476**	363		499**

Specifications are based on 20°C ambient and standard voltage. Specifications are subject to change without notice.

*Add 2.75" for handle. **Includes Export Shipping Crate.

ALRM301	Remote alarm relay
BOTL301	Side mounted carboy
DLUX303	Deluxe controller provides analog outputs and communications
GASG301	Built-in CO ₂ gas guard allows two CO ₂ tanks to connect to a unit
OUTL301	One internal duplex outlet
RCDR302	Built-in temperature and humidity recorder, 6", 7 day, 24 hour
RCDR304	Built-in temperature and humidity recorder, 10", 7 day, 24 hour
SHLF300	Additional standard perforated shelf kit
SHKR301	Shaker support system for Model 6026 capable of supporting two 150 lbs. shakers
SHKR302-1	Shaker support system for Model 6046 capable of supporting two 150 lbs. shakers
SHKR303-2	Shaker support system for Model 6046 capable of supporting three 150 lbs. shakers



Optional Condensate Recirculating System, Model CRSY102. It purifies and recycles tap water for the incubator.

For additional accessories, visit www.caronproducts.com.

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