

REFRIGERATED INCUBATORS

2-DOOR & 3-DOOR EXTRA LARGE CAPACITY



CARON
Opening Doors for Scientists

PRODUCT LINE OVERVIEW

RELIABLE, BEST IN CLASS INCUBATORS

Caron's extra large capacity **Refrigerated Incubators** precisely and tightly control temperature. With the addition of a defrost package, the incubator's capacity ranges from 5°C to 70°C with optional operation down to 0°C. This wide scope makes them the ultimate choice for refrigerated storage. Our double-wide and triple-wide incubators serve a wide range of applications: laboratory refrigerators, pharmaceutical refrigerators for long term storage of drug substances, temperature critical process studies, temperature conditioning and more. Our units offer more than the typical competitive economy models.

Caron's Refrigerated Incubators are loaded with earth friendly and customer driven technical innovations. The two-door (50 cu. ft.) and three-door (75 cu. ft.) units come standard with swivel locking casters and leveling feet, which aid in installation and relocation. Our sliding shelves and tool-less removable interior are convenient for a thorough and quick cleaning of the incubator's interior.

Other standard features, such as access ports and a wide temperature range make our units easy to customize. Our large variety of optional accessories allow you to cost effectively choose the options you need (see back for options).

Caron also offers optional factory direct validation services that provide complete mapping and performance certification that satisfy FDA guidelines for qualification verification of equipment.



New! Simple, convenient controls: the intuitive control panel has a real-time clock, is easy to reach and simple to use with fewer buttons to navigate. Just touch the 7" full-color screen to put command at your fingertips. Our controls are "smart," using breadcrumb trail navigation to keep track of your location within the menus.

The built-in, icon-based status center provides vital information updates, including: alerts, alarms and information statuses, allowing for peace-of-mind, worry-free operation. All alerts, alarms and

information status icons will display in the status bar when initiated, with additional information ready to read by simply selecting the icon. Our snooze mode is a convenient new function that allows you to be reminded of alarms at a later time. Additionally, the built-in intelligence avoids nuisance alarms and the password protection feature prevents unauthorized access.

Caron is committed to designing sustainable products, which is vital to achieve a cleaner and energy independent future. Our green technologies are cutting edge, yielding proven cost savings and energy efficiency.



Unlike competitive units that run refrigeration constantly to maintain required setpoints, **gROD** only operates the refrigeration system when it is needed to maintain the temperature setpoint.

Our **115V** units require less energy to operate and the foamed, **CFC-free polyurethane foam**, contributes to high thermal retention, placing less demand on your laboratory's air conditioner.

FEATURES & BENEFITS

AT A GLANCE STANDARD FEATURES

- The Refrigerated Incubators offer a full temperature range of 5°C to 70°C. Our robust refrigeration system is reliable for years of trouble-free operation at a continuous 24/7 setpoint with no defrost cycle or temperature spikes. An optional defrost package is available for operations down to 0°C.
 - Tight temperature control ($\pm 0.2^{\circ}\text{C}$) and excellent temperature uniformity ($\pm 1.0^{\circ}\text{C}$) support reliable, repeatable results.
 - gROD™, Refrigeration on Demand, efficiently manages power consumption and saves electricity by providing refrigeration as needed.
 - 7" color touchscreen is intuitive and features easy-to-read icons and a familiar, user-friendly display that can be operated with gloves on. Visualize operating conditions even from across the room.
 - The user interface includes a configurable status center with built-in information updates, alerts and alarms to communicate a wide range of status conditions.
 - Front access to electrical board and air filter make the chamber easy to maintain.
 - In the event of a power failure, non-volatile memory allows the chamber to return to its original setpoint when power is restored.
 - Door locks are standard, protecting your chamber from unauthorized access to the interior.
 - Our tool-less removable interior uses unique stainless steel latches, making it easy to clean and reconfigure.
 - Units come standard with magnetically sealed, self-closing solid doors that are 1.5" thick and insulated for optimal chamber performance. Optional glass doors are also available.
 - 115V units will plug into a standard 20 Amp laboratory electrical outlet, reducing the amount of energy required to operate the chamber.
 - These chambers are designed with energy-efficient components, including foamed, CFC-free insulation, contributing to minimal heat loss.
 - Caron's carefully designed horizontal airflow system generates gentle, evenly distributed airflow across shelf locations. Temperature uniformity and rapid recovery are always maintained, even under heavy loads.
 - The perforated, electropolished stainless steel shelves are located on 2" centers. The adjustable shelves slide easily into place for effortless configuration.
- The cabinet interior and exterior are comprised
- of stainless steel, making them highly resistant to corrosion and easy to clean.
- Caron green door handles are aesthetically pleasing
- and enhance ergonomics.
- Both models contain two access ports (one on each side), making validation easy and providing you with convenient access to connect instrumentation.
- Multiple optional accessories are available, allowing
- you to modify the chamber to your specific application.



(Left) 50 cu. ft. units come standard with eight shelves and 75 cu. ft. units come standard with 12 (four shelves per section). Additional shelves, including wire rod and solid options, are available.

(Right) A variety of front and side-mounted recorders are available as options so you may customize the chambers to your application.

See back page or visit us on the web at www.caronproducts.com for more info!

SPECIFICATIONS & OPTIONAL ACCESSORIES

	7001-50-1	7001-50-2	7001-50-3	7001-75-1	7001-75-2	7001-75-3
Temperature Range	5°C to 70°C					
Temperature Control	±0.2°C					
Temperature Uniformity	±1.0°C					
Temperature Sensor	3-wire RTD					
Interior Dimensions	51" W x 28.5" D x 59" H (130 cm x 72 cm x 150 cm)			79.5" W x 28.5" D x 59" H (202 cm x 72 cm x 150 cm)		
Interior Construction	Type 304, Stainless Steel					
Exterior Dimensions	57" W x 35.1" D* x 81.5" H (145 cm x 89 cm x 207 cm)			85.5" W x 35.1" D* x 81.5" H (217 cm x 89 cm x 207 cm)		
Exterior Construction	Stainless Steel					
Work Space	50 cu. ft. (1,416 Liters)			75 cu. ft. (2,124 Liters)		
# of Shelves Standard	8			12		
Maximum Shelves	56 (28 shelf height positions)			84 (28 shelf height positions)		
Shelf Construction	Type 304, Perforated Stainless Steel, Electropolished					
Shelf Dimensions	21.6" W x 26.5" D (55 cm x 67 cm)					
Electrical	115V, 60 Hz, 16A	208/230V, 60 Hz, 12A	230V, 50 Hz, 10A	115V, 60 Hz, 16A	208/230V, 60 Hz, 12A	230V, 50 Hz, 10A
Shipping Weight	800 lbs. (363 kg.)		1,100 lbs. (499 kg.)**	1,125 lbs. (510 kg.)		1,650 lbs. (748 kg.)**

Specifications are subject to change without notice. Specifications were established at 20°C ambient with solid doors. *Add 2.75" for handle. Fits through 33.5" standard door opening with door assembly and front panel removed.

**Includes export shipping crate.

DESCRIPTION	7001-50	7001-75
Remote alarm contacts, provides NO & NC dry contacts for alarms	ALRM302	
Defrost package, for operation down to 0°C	DEFR303	
Replace solid doors with glass doors	DOOR308	DOOR309
Condensate air filter replacement kit	FLTR307	
Two internal duplex outlets (for -2, 230V units only)	OUTL303-2	OUTL304-2
Additional 1.75" access port	PORT304	
6" door mounted temperature chart recorder	RCDR316	
10" door mounted temperature chart recorder, thermal printer	RCDR318	
10" side mounted temperature chart recorder	RCDR320	
12" side mounted temperature chart recorder, thermal printer	RCDR322	
Additional perforated shelf	SHLF325	
Replace standard shelves with wire rod shelves	SHLF328	SHLF329
Replace standard shelves with solid shelves	SHLF330	SHLF331

Unmatched serviceability.

All of our units come standard with 12 months parts and labor warranty (US & Canada).

Our customer driven approach to technical service allows for continuous product support throughout the lifetime of the equipment.

Caron's optional factory-direct and factory-developed services include full on-site installation, calibration and validation. Contact the service department for pricing and information.

For a full list of accessories available, contact customer service or visit www.caronproducts.com

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