REFRIGERATED INCUBATORS

CARON®

7001-10 / 7001-25 / 7001-33
7001-50 / 7001-75

YOUR FLEXIBLE & REPEATABLE TEMPERATURE TEST OPTION

Purpose-designed chambers, engineered for real-world conditions and product loads, and built for a wide range of protocols.

Caron's wide-range refrigerated incubators are designed for heavy loads and fast test turnaround. Uniform airflow and high-capacity heating and refrigeration systems create a space you can fill up with samples, and still experience the same robust performance as in an empty unit.

A 5 to 70°C temperature range *(0°C optional)* provides the environment to perform a wide range of highly demanding test protocols, ranging from pharmaceutical and medical device testing, packaging and product shelf life, and materials conditioning.

DEPENDABLE TECHNOLOGY

Purpose-designed for constant use.

- Durable all stainless steel interior resists corrosion for long unit life.
- Unique 3-minute tool-free interior removal makes units easy to maintain and keep clean.
- Scratch-resistant powder-coated steel or stainless steel exterior prevents rust and is easy to keep clean.*

* Powder coated steel on 10/25/33 cu.ft. sizes. Stainless steel on 50/75 cu.ft. units.

PERFORMANCE IS THE PRIORITY

Created for-real-world research even when that's a large-scale job.

- Validatable performance, even when full, using back to front ducted airflow system.*
- Dependable temperature performance, even at high and low ends of the range.
- Condensation-resistant, with tightly sealed chamber and triple-pane glass door.**
- Maintains constant 5°C without a disruptive defrost "spike."
- Full Installation Qualification/Operation Qualification/Process Qualification (IQ/OQ/PQ) documentation and services available.

FACILITY FRIENDLY

Lowering cost of ownership for the long-term.

- gROD Refrigeration On Demand only turns on when needed, reducing heat load and allowing units to run on a standard electrical circuit.
- Essential features, such as casters, levelling feet, and access ports are all standard.
- Enormous options list allows you to customize units to meet your exact application.

*25, 33, 50, and 75 cu.ft models. Side to side ducted airflow on 10 cu.ft units.
**25 and 33 cu.ft. models only. Solid foam-insulated door standard on 10, 50, and 75 cu.ft. units.

MORE SIZES TO FIT YOUR FACILITY

Whether you need a compact stackable incubator, or a large triple-door unit, Caron has capacity options to fit into your floor space and product volume needs.
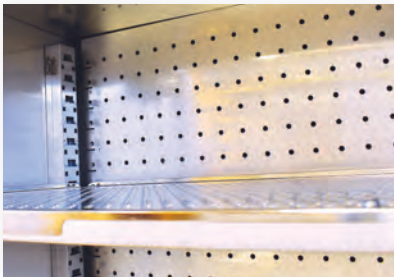
Model
7001-75

Model
7001-50

Model
7001-25

Model
7001-33

Model
7001-10

MORE OPTIONS TO FIT YOUR APPLICATION

Caron offers a wide range of accessories, customizing chambers to fit your facility's exact needs.

INTERIOR LIGHTING

POWER OUTLETS

RAMP/SOAK PROGRAMMING

OUTPUTS/RECORDERS

TRUSTED FOR TEMPERATURE TESTING

Intuitive Controls

- Easy to read 7" color touchscreen display makes operating parameters highly visible
- Intuitive breadcrumb navigation tames even complex ramp/soak protocols*
- Alert and alarm messages for upcoming maintenance or immediate notifications

Uninterruptable Performance

- Back to front airflow distributes conditioned air throughout the chamber, even with large sample volume or oversized sample sets**
- Refrigeration and heater capacity built to move large sample quantities up or down to setpoint
- Process Qualification *(PQ)* documentation available for full-load as well as empty chambers

Space Efficient Designs

- Match units to your capacity needs and available space
- Choice of stackable, roll-in, or space maximized single door, or high-capacity dual/triple door configurations
- Large single-door *(33 ft³ Models)* provides best-in-class ratio of interior capacity to footprint

* Ramp/soak programming optional.
** 25, 33, 50, and 75 cu.ft models. Side to side ducted airflow on 10 cu.ft units.

SPECIFICATIONS

DIMENSIONS & WEIGHTS & SHELVING

Model	7001
Size	10
Interior Dimensions	23" W x 25.8" D x 29.8" H *(58.4 cm x 65.5 cm x 75.7 cm)*
Exterior Dimensions	44.5" W x 31.7" D*x 37" H *(112.3 cm x 82.8 cm x 92.7 cm)*
Work Space	10 ft³ *(283 Liters)*
Shelves Total	3 Standard / 15 Maximum
Shelf Dimensions	22.5" W x 25.4" D *(57.2 cm x 64.5 cm)*
Shipping Weight	455 Lbs. / 575 Lbs. *(206/261 Kg.**)*

Model	7001
Size	25
Interior Dimensions	32" W x 27" D x 52.7" H *(81.3 cm x 68.6 cm x 133.9 cm)*
Exterior Dimensions	35.5" W x 33.3" D*x 77.1" H *(90.2 cm x 84.6 cm x 195.8 cm)*
Work Space	25 ft³ *(708 Liters)*
Shelves Total	4 Standard / 25 Maximum
Shelf Dimensions	29.25" W x 24.45" D *(74.3 cm x 62.1 cm)*
Shipping Weight	735 Lbs. / 875 Lbs. *(333/397 Kg.**)*

Model	7001
Size	33
Interior Dimensions	32" W x 27" D x 65.7" H *(81.3 cm x 68.6 cm x 166.9 cm)*
Exterior Dimensions	35.5" W x 33.3" D*x 90.1" H *(90.2 cm x 84.6 cm x 228.9 cm)*
Work Space	33 ft³ *(934 Liters)*
Shelves Total	5 Standard / 31 Maximum
Shelf Dimensions	29.25" W x 24.45" D *(74.3 cm x 62.1 cm)*
Shipping Weight	825 Lbs. / 935 Lbs. *(374/424 Kg.**)*

Model	7001
Size	50
Interior Dimensions	51" W x 28.5" D x 59" H *(130 cm x 72 cm x 150 cm)*
Exterior Dimensions	57" W x 35.1" D*x 81.5" H *(145 cm x 89 cm x 207 cm)*
Work Space	50 ft³ *(1,416 Liters)*
Shelves Total	8 Standard / 56 Maximum
Shelf Dimensions	21.6" W x 26.5" D *(55 cm x 67 cm)*
Shipping Weight	800 Lbs. / 1,100 Lbs. *(363/499 Kg.**)*

*Specifications are subject to change without notice. * Add 2.75" for handle.** Includes Export Shipping Crate.*

SPECIFICATIONS

DIMENSIONS & WEIGHTS & SHELVING

Model	7001
Size	75
Interior Dimensions	79.5" W x 28.5" D x 59" H *(202 cm x 72 cm x 150 cm)*
Exterior Dimensions	85.5" W x 35.1" D* x 81.5" H *(217 cm x 89 cm x 207 cm)*
Work Space	75 ft³ *(2,124 Liters)*
Shelves Total	12 Standard / 84 Maximum
Shelf Dimensions	21.6" W x 26.5" D *(55 cm x 67 cm)*
Shipping Weight	1,125 Lbs. / 1,650 Lbs. *(510/748 Kg.**)*

*Specifications are subject to change without notice. * Add 2.75" for handle.** Includes Export Shipping Crate.*

ELECTRICAL

Model	7001		
Size	10-1	10-2	10-3
Voltage	115V	208 / 230V	230V
Frequency	60Hz	60Hz	50Hz
FLA	10.3 FLA	4.8 FLA	4.8 FLA

Model	7001		
Size	25-1	25-2	25-3
Voltage	115V	208 / 230V	230V
Frequency	60Hz	60Hz	50Hz
FLA	15.0 FLA	7.1 FLA	7.1 FLA

Model	7001		
Size	33-1	33-2	33-3
Voltage	115V	208 / 230V	230V
Frequency	60Hz	60Hz	50Hz
FLA	15.1 FLA	7.2 FLA	7.2 FLA

Model	7001		
Size	50-1	50-2	50-3
Voltage	115V	208 / 230V	230V
Frequency	60Hz	60Hz	50Hz
FLA	13.4 FLA	8.1 FLA	8.1 FLA

Model	7001		
Size	75-1	75-2	75-3
Voltage	115V	208 / 230V	230V
Frequency	60Hz	60Hz	50Hz
FLA	14.3 FLA	8.5 FLA	8.5 FLA

SPECIFICATIONS

GENERAL

Model	7001	
Size	10 / 25 / 33	50 / 75
Temperature Range	5°C to 70°C*	
Temperature Control	±0.1°C	±0.2°C
Temperature Uniformity	±0.3°C	±1.0°C
Temperature Sensor	3-wire RTD	
Interior Construction	Type 304 / Stainless Steel	
Exterior Construction	Powder Coated Cold Rolled Steel	Stainless Steel
Shelf Construction	Type 304 / Perforated Stainless Steel / Electropolished	

*Specifications are subject to change without notice. * 0°C to 70°C operational range available.*

ACCESSORIES

ON-SITE INSTALLATION

Part No.	Description
ALRM302	Remote Alarm Contacts / Provide NO/NC Dry Contacts
CSTR301	4 Swivel Casters / 2 Locking / 2 Non-Locking *(10 ft³ Models)*
DOOR310	Light Tight Door Cover / Factory Installed at the Time of Order or Retrofitted in the Field *(25 ft³ Models)*
DOOR312	Light Tight Door Cover / Factory Installed at the Time of Order or Retrofitted in the Field *(33 ft³ Models)*
LTCH301	One-Handed Door Latch *(25/33 ft³ Models)*
LTCH302	One-Handed Door Latch with Integral Key Lock *(25/33 ft³ Models)*
OUTP301	Universal Analog Output *(0-5V, 4-20mA)* / One Connection for Monitoring Temperature
PUMP301	Drain Water Pump
RCDR316	6" Door Mounted Temp Chart Recorder / Ink Printer
RCDR318	10" Door Mounted Temp Chart Recorder / Thermal Printer
RCDR320	10" Side Mounted Temp Chart Recorder / Ink Printer
RCDR322	12" Side Mounted Temp Chart Recorder / Thermal Printer

ACCESSORIES

FACTORY INSTALLATION

Part No.	Description
COAT312	Electrostatically Coated Evaporator Coils *(25/33 ft³ Models)*
COAT314	Electrostatically Coated Evaporator Coils *(10 ft³ Models)*
COAT316	Electrostatically Coated Evaporator Coils *(50 ft³ Models)*
COAT318	Electrostatically Coated Evaporator Coils *(75 ft³ Models)*
DEFR306	Defrost System / Operation Down to 0˚C *(25/33 ft³ Models)*
DEFR307	Defrost System / Operation Down to 0˚C *(10 ft³ Models)*
DEFR308	Defrost System / Operation Down to 0°C *(50/75 ft³ Models)*
DOOR308	Replace Solid Doors with Glass Doors *(50 ft³ Models)*
DOOR309	Replace Solid Doors with Glass Doors *(75 ft³ Models)*
DLOG301	Data Logging & Storage to USB Flash Drive
LGHT320	Light Package with *(4)* 24 W Fluorescent Lights / 2 Lights Per Bank 2 Banks / Day/Night Timer *(10 ft³ Models)*
LGHT321	Light Package with *(6)* 24 W Fluorescent Lights / 2 Lights Per Bank 3 Banks / Day/Night Timer *(25 ft³ Models)*
LGHT322	Light package with *(8)* 24 W Fluorescent Lights / 2 Lights Per Bank 4 Banks / Day/Night Timer *(33 ft³ Models)*
LGHT323	Interior LED Lighting with Day/Night Timer *(10 ft³ Models)*
LGHT324	Interior LED Lighting with Day/Night Timer *(25/33 ft³ Models)*
OUTL331	One Internal Outlet / 115V 60H / NEMA 5-15 *(10/25/33 ft³, -1/-2 Models)*
OUTL332	One Internal Outlet / 230V 50Hz / CEE 7/16 *(10/25/33 ft³, -3 Models)*
OUTL333	One Internal Outlet / 230V 50Hz / BS1363A *(10/25/33 ft³, -3 Models)*
OUTL334	One Internal Outlet / 230V 50Hz / AS/NZS 3112 *(10/25/33 ft³, -3 Models)*
OUTL335	One Internal Outlet / 230V 60Hz / NBR 14136 *(10/25/33 ft³, -2 Models)*
OUTL336	Three Internal Outlets / 115V 60 Hz / NEMA-5-15 *(25/33 ft³, -1 -2 Models)*
OUTL337	Three internal Outlets / 230V 50Hz / CEE 7/16 *(25/33 ft³, -3 Models)*
OUTL338	Three Internal Outlets / 230V 50Hz / BS1363A *(25/33 ft³, -3 Models)*
OUTL339	Three Internal Outlets / 230V 50Hz / AS/NZS 3112 *(25/33 ft³, -3 Models)*
OUTL340	Three Internal Outlets / 230V 60Hz / NBR 14136 *(25/33 ft³, -2 Models)*
OUTL351	One Internal Outlet *(115V, 50/75ft3, -1 Models)*
OUTL352	Three Internal Outlets, 115V 60Hz, NEMA 5-15 *(50/75ft³, -2 Models)*
OUTL353	Three Internal Outlets, 230V 50Hz, CEE 7/16 *(50/75ft³, -3 Models)*
OUTL354	Three Internal Outlets, 230V 50Hz, BS1363A *(50/75ft³, -3 Models)*
OUTL355	Three Internal Outlets, 230V 50Hz, AS/NZS 3112 *(50/75ft³, -3 Models)*
OUTL356	Three Internal Outlets, 230V 50Hz, NBR 14136 *(50/75ft³, -2 Models)*
PORT301	Additional 2" Access Port *(10/25/33 ft³ Models)*
PORT303	Fresh Air Port *(10 ft³ Models)*

ACCESSORIES

FACTORY INSTALLATION

Part No.	Description
PORT304	Additional 2" Access Port *(50/75 ft³ Models)*
PORT305	Fresh Air Port *(25/33 ft³ Models)*
RAMP301	Ramp/Soak Programming / 5 Profiles / 10 Steps Each / 50 Steps Total
SHLF311	Wire Rod Shelf Kit *(4)* / Replaces Standard Shelving *(25 ft³ Models)*
SHLF312	Solid Shelf Kit *(4)* / Replaces Standard Shelving *(25 ft³ Models)*
SHLF313	Heavy-Duty Perforated Shelf Kit *(4)* / Replaces Standard Shelving *(25 ft³ Models)*
SHLF314	Wire Rod Shelf Kit *(3)* / Replaces Standard Shelving *(10 ft³ Models)*
SHLF315	Solid Shelf Kit *(3)* / Replaces Standard Shelving *(10 ft³ Models)*
SHLF316	Wire Rod Shelf Kit *(5)* / Replaces Standard Shelving *(33 ft³ Models)*
SHLF317	Solid Shelf Kit *(5)* / Replaces Standard Shelving *(33 ft³ Models)*
SHLF318	Heavy-Duty Perforated Shelf Kit *(5)* / Replaces Standard Shelving *(33 ft³ Models)*
SHLF328	Wire Rod Shelf Kit *(8)* / Replaces Standard Shelving *(50 ft³ Models)*
SHLF329	Wire Rod Shelf Kit *(12)* / Replaces Standard Shelving *(75 ft³ Models)*
SHLF330	Solid Shelf Kit *(8)* / Replaces Standard Shelving *(50 ft³ Models)*
SHLF331	Solid Shelf Kit *(12)* / Replaces Standard Shelving *(75 ft³ Models)*
SHLF340	Heavy-Duty Perforated Shelf Kit *(4)* / Replaces Standard Shelving *(50 ft³ Models)*
SHLF341	Heavy-Duty Perforated Shelf Kit *(6)* / Replaces Standard Shelving *(75 ft³ Models)*

ACCESSORIES

CUSTOMER INSTALLATION

Part No.	Description
CART102	Lab Equipment Cart / 48" x 30" x 24" *(10 ft^3 Models)*
SHLF300	Additional Perforated Shelf Kit / 2 Shelf Tracks *(25/33 ft^3 Models)*
SHLF301	Additional Wire Rod Shelf Kit / 2 Shelf Tracks *(25/33 ft^3 Models)*
SHLF302	Additional Solid Shelf Kit / 2 Shelf Tracks *(25/33 ft^3 Models)*
SHLF303	Additional Heavy-Duty Perforated Shelf Kit *(25/33 ft^3 Models)* *(Requires SHLF323/324 or SHLF313/SHLF318)*
SHLF323	Rear Pilaster Kit / Required for Installation of SHLF303 *(25 ft^3 Models)*
SHLF324	Rear Pilaster Kit / Required for Installation of SHLF303 *(33 ft^3 Models)*
SHLF304	Additional Perforated Shelf Kit / 2 Shelf Tracks *(10 ft^3 Models)*
SHLF305	Additional Wire Rod Shelf Kit / 2 Shelf Tracks *(10 ft^3 Models)*
SHLF306	Additional Solid Shelf Kit / 2 Shelf Tracks *(10 ft^3 Models)*
SHLF307	Heavy-Duty Reinforced Floor *(10 ft^3 Models)*
SHLF325	Additional Perforated Shelf / 2 Shelf Tracks *(50/75 ft^3 Models)*
SHLF338	Heavy-Duty Perforated Shelf Kit / 2 Shelf Tracks *(50/75 ft^3 Models)*
STCK301	Stacking Kit *(10 ft^3 Models)*
TABL102	SS Work Table / 48" x 30" x 24" *(10 ft^3 Models)*