



# 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.
- Simple, yet effective, atomizer-based controlled humidification eliminates the complexity and replacement costs of steam boilers and ultrasonics, while providing superior RH recovery performance.
- 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.



# MORE OPTIONS TO FIT YOUR APPLICATION

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





# 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 ft<sup>3</sup> Models) provides best-in-class ratio of interior capacity to footprint (4 ft<sup>3</sup>/sq.ft / 1.22 cu.m/sqm)

\* 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 Size	7001 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 Size	7001 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 Size	7001 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 Size	7001 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 Size	7001 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 Size	10-1	7001 10-2	10-3
Voltage	115V	208 / 230V	230V
Frequency	60Hz	60Hz	50Hz
FLA	11.0FLA	7.0FLA	5.5FLA
Model Size	25-1	7001 25-2	25-3
Voltage	115V	208 / 230V	230V
Frequency	60Hz	60Hz	50Hz
FLA	15.6FLA	9.3FLA	7.8FLA
Model Size	33-1	7001 33-2	33-3
Voltage	115V	208 / 230V	230V
Frequency	60Hz	60Hz	50Hz
FLA	15.6FLA	9.3FLA	7.8FLA
Model Size	50-1	7001 50-2	50-3
Voltage	115V	208 / 230V	230V
Frequency	60Hz	60Hz	50Hz
FLA	12.6FLA	9.8FLA	6.3FLA
Model Size	75-1	7001 75-2	75-3
Voltage	115V	208 / 230V	230V
Frequency	60Hz	60Hz	50Hz
FLA	14.2FLA	10.6FLA	7.1FLA

# 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 (25ft³ 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
COAT301	Electrostatically Coated Evaporator Coils (25/33 ft³ Models)
COAT303	Electrostatically Coated Evaporator Coils (10 ft³ Models)
COAT308	Electrostatically Coated Evaporator Coils (50 ft³ Models)
COAT309	Electrostatically Coated Evaporator Coils (75 ft³ Models)
DEFR303	Defrost System / Operation Down to 0°C (50/75 ft³ Models)
DEFR304	Defrost System / Operation Down to 0°C (10 ft³ Models)
DEFR305	Defrost System / Operation Down to 0°C (25/33 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)
OUTL303	Two Internal Duplex Outlets (230V, 50-2 Models Only)
OUTL304	Two Internal Duplex Outlets (230V, 75-2 Models Only)
OUTL305	One Internal Outlet / 115V 60H / NEMA 5-15 (10/25/33 ft³, -1/-2 Models)
OUTL306	One Internal Outlet / 230V 50Hz / CEE 7/16 (10/25/33 ft³, -3 Models)
OUTL307	One Internal Outlet / 230V 50Hz / BS1363A (10/25/33 ft³, -3 Models)
OUTL308	One Internal Outlet / 230V 50Hz / AS/NZS 3112 (10/25/33 ft³, -3 Models)
OUTL309	One Internal Outlet / 230V 60Hz / NBR 14136 (10/25/33 ft³, -2 Models)
OUTL310	Three Internal Outlets / 115V 60 Hz / NEMA-5-15 (25/33 ft³, -1 -2 Models)
OUTL311	Three internal Outlets / 230V 50Hz / CEE 7/16 (25/33 ft³, -3 Models)
OUTL312	Three Internal Outlets / 230V 50Hz / BS1363A (25/33 ft³, -3 Models)
OUTL313	Three Internal Outlets / 230V 50Hz / AS/NZS 3112 (25/33 ft³, -3 Models)
OUTL314	Three Internal Outlets / 230V 60Hz / NBR 14136 (25/33 ft³, -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 ft³ Models)
SHLF300	Additional Perforated Shelf Kit / 2 Shelf Tracks (25/33 ft³ Models)
SHLF301	Additional Wire Rod Shelf Kit / 2 Shelf Tracks (25/33 ft³ Models)
SHLF302	Additional Solid Shelf Kit / 2 Shelf Tracks (25/33 ft³ Models)
SHLF303	Additional Heavy-Duty Perforated Shelf Kit (25/33 ft³ Models) (Requires SHLF323/324 or SHLF313/SHLF318)
SHLF323	Rear Pilaster Kit / Required for Installation of SHLF303 (25 ft³ Models)
SHLF324	Rear Pilaster Kit / Required for Installation of SHLF303 (33 ft³ Models)
SHLF304	Additional Perforated Shelf Kit / 2 Shelf Tracks (10 ft³ Models)
SHLF305	Additional Wire Rod Shelf Kit / 2 Shelf Tracks (10 ft³ Models)
SHLF306	Additional Solid Shelf Kit / 2 Shelf Tracks (10 ft³ Models)
SHLF307	Heavy-Duty Reinforced Floor (10 ft³ Models)
SHLF325	Additional Perforated Shelf / 2 Shelf Tracks (50/75 ft³ Models)
SHLF338	Heavy-Duty Perforated Shelf Kit / 2 Shelf Tracks (50/75 ft³ Models)
STCK301	Stacking Kit (10 ft³ Models)
TABL102	SS Work Table / 48" x 30" x 24" (10 ft³ Models)



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