



ENVIRONMENTAL CHAMBERS

CARON®



7000-10 / 7000-25 / 7000-33
7000-50 / 7000-75

FOR WHEN YOU'RE SERIOUS ABOUT STABILITY

Purpose-designed chambers, for ICH Q1A and other demanding test protocols. Caron's 7000 Series Chambers are engineered for real-world conditions and product loads.



It's not enough, in an era of compressed drug development cycles and process cost-control, to only meet spec when the chamber is empty.

Caron has created a reference standard in drug, product, and materials testing, with a family of chambers that offer validatable performance regardless of application or capacity utilization.



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 standard single electrical circuits.
- gVapor® heatless humidification further reduces heat load and energy usage.
- 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 need.



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 and humidity performance, even at high and low ends of the range.
- Condensation-resistant, with tightly sealed chamber and triple-pane glass door.*
- Controls down to 5°C, without a disruptive defrost "spike."
- Full Installation Qualification/Operation Qualification/Process Qualification (IQ/OQ/PQ) documentation and services available.



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.

*25 and 33 cu.ft. 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 chamber, or a large triple-door unit, Caron has capacity options to fit into your floor space and application volume requirements.



MORE OPTIONS TO FIT YOUR APPLICATION

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



SERIOUS STABILITY



Intuitive Controls

- Easy to read 7" 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



Humidity Options

- Easy unit install, even for facilities without purified water supply or nearby floor drain
- Multiple water feed and drain options
- Efficient gVapor humidification saves water, compared to conventional boiler systems



Space Efficient Designs

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

* Ramp/soak programming optional.

SPECIFICATIONS

DIMENSIONS / WEIGHTS / SHELVING

Model Size	7000 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 ft ³ (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	495 Lbs. / 600 Lbs. (With Export Shipping Crate)

Model Size	7000 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 ft ³ (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	775 Lbs. / 875 Lbs. (With Export Shipping Crate)

Model Size	7000 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 ft ³ (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	800 Lbs. / 1,100 Lbs. (With Export Shipping Crate)

Model Size	7000 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 ft ³ (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. (With Export Shipping Crate)

Specifications are subject to change without notice. * Add 2.75" for handle.

SPECIFICATIONS

DIMENSIONS / WEIGHTS / SHELVING

Model Size	7000 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 ft ³ (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. (With Export Shipping Crate)

Specifications are subject to change without notice. * Add 2.75" for handle.

ELECTRICAL

Model Size	10-1	7000 10-2	10-3
Voltage	115V	208 / 230V	230V
Frequency	60Hz	60Hz	50Hz
FLA	11.0FLA	5.1FLA	5.1FLA

Model Size	25-1	7000 25-2	25-3
Voltage	115V	208 / 230V	230V
Frequency	60Hz	60Hz	50Hz
FLA	15.6FLA	7.5FLA	7.5FLA

Model Size	33-1	7000 33-2	33-3
Voltage	115V	208 / 230V	230V
Frequency	60Hz	60Hz	50Hz
FLA	15.7FLA	7.5FLA	7.5FLA

Model Size	50-1	7000 50-2	50-3
Voltage	115V	208 / 230V	230V
Frequency	60Hz	60Hz	50Hz
FLA	15.0FLA	8.9FLA	8.9FLA

Model Size	75-1	7000 75-2	75-3
Voltage	115V	208 / 230V	230V
Frequency	60Hz	60Hz	50Hz
FLA	16.0FLA	9.5FLA	9.5FLA

SPECIFICATIONS

GENERAL		
Model Size	10 / 25 / 33	7000 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	
Humidity Range	20-95% RH**	
Humidity Control	±2%***	
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. **2% to 95% operational range available. *** ±3% when setpoint is above 90% RH.

ACCESSORIES

ON-SITE INSTALLATION	
Part No.	Description
ALRM302	Remote Alarm Contacts / Provide NO/NC Dry Contacts
BOTL301	Carboy Water Fill Bottle and Cap / 9.5 L. Includes Tubing and Fittings
CSTR301	4 Swivel Casters / 2 Locking / 2 Non-Locking (10 ft ³ Models)
DOOR310	Light Tight Door Cover for 708 L / Factory Installed at the Time of Order or Retrofitted in the Field by a Qualified Technician (25 ft ³ Models)
DOOR312	Light Tight Door Cover for 934 L / Factory Installed at the Time of Order or Retrofitted in the Field by a Qualified Technician (33 ft ³ Models)
LTCH301	One-Handed Door Latch (25/33 ft ³ Models)
LTCH302	One-Handed Door Latch with Integral Key Lock (25/33 ft ³ Models)
OUTP302	Universal Analog Output (0-5V, 4-20mA) / Two Connections for Monitoring Temperature and Humidity
PUMP301	Drain Water Pump
RCDR317	6" Door Mounted Temp/Humidity Chart Recorder / Ink Printer
RCDR319	10" Door Mounted Temp/Humidity Chart Recorder / Thermal Printer
RCDR321	10" Side Mounted Temp/Humidity Chart Recorder / Ink Printer
RCDR323	12" Side Mounted Temp/Humidity Chart Recorder / Thermal Printer

ACCESSORIES

FACTORY INSTALLATION

Part No.	Description
COAT313	Electrostatically Coated Evaporator Coils (25/33 ft ³ Models)
COAT315	Electrostatically Coated Evaporator Coils (10 ft ³ Models)
COAT317	Electrostatically Coated Evaporator Coils (50 ft ³ Models)
COAT319	Electrostatically Coated Evaporator Coils (75 ft ³ Models)
DEFR308	Defrost Package / Operation Down to 0°C (50/75 ft ³ Models)
DEFR306	Defrost System / Operation Down to 0°C (25/33 ft ³ Models)
DEFR307	Defrost System / Operation Down to 0°C (10 ft ³ Models)
DOOR308	Replace Solid Doors with Glass Doors (50/75 ft ³ Models)
DOOR309	Replace Solid Doors with Glass Doors (50/75 ft ³ Models)
DLOG301	Data Logging and Storage to USB Flash Drive
DRYR110	Noise Suppression Kit for Heatless Dryer (DRYR301 Required)
DRYR301	Heatless Dryer Package / Allows Humidity Operation at 2%RH
LGHT320	Light Package with (4) 24 W Fluorescent Lights / 2 Lights Per Bank 2 Banks / Day/Night Timer (10 ft ³ Models)
LGHT321	Light Package with (6) 24 W Fluorescent Lights / 2 Lights Per Bank 3 Banks / Day/Night Timer (25 ft ³ Models)
LGHT322	Light package with (8) 24 W Fluorescent Lights / 2 Lights Per Bank 4 Banks / Day/Night Timer (33 ft ³ Models)
LGHT323	Interior LED Lighting with Day/Night Timer (10 ft ³ Models)
LGHT324	Interior LED Lighting with Day/Night Timer (25/33 ft ³ Models)
OUTL331	One Internal Outlet / 115V 60H / NEMA 5-15 (10/25/33 ft ³ , -1/-2 Models)
OUTL332	One Internal Outlet / 230V 50Hz / CEE 7/16 (10/25/33 ft ³ , -3 Models)
OUTL333	One Internal Outlet / 230V 50Hz / BS1363A (10/25/33 ft ³ , -3 Models)
OUTL334	One Internal Outlet / 230V 50Hz / AS/NZS 3112 (10/25/33 ft ³ , -3 Models)
OUTL335	One Internal Outlet / 230V 60Hz / NBR 14136 (10/25/33 ft ³ , -2 Models)
OUTL336	Three Internal Outlets / 115V 60 Hz / NEMA-5-15 (25/33 ft ³ , -1 -2 Models)
OUTL337	Three internal Outlets / 230V 50Hz / CEE 7/16 (25/33 ft ³ , -3 Models)
OUTL338	Three Internal Outlets / 230V 50Hz / BS1363A (25/33 ft ³ , -3 Models)
OUTL339	Three Internal Outlets / 230V 50Hz / AS/NZS 3112 (25/33 ft ³ , -3 Models)
OUTL340	Three Internal Outlets / 230V 60Hz / NBR 14136 (25/33 ft ³ , -2 Models)
OUTL351	One Internal Outlet (115V, 50/75ft ³ , -1 Models)
OUTL352	Three Internal Outlets, 115V 60Hz, NEMA 5-15 (50/75ft ³ , -2 Models)
OUTL353	Three Internal Outlets, 230V 50Hz, CEE 7/16 (50/75ft ³ , -3 Models)
OUTL354	Three Internal Outlets, 230V 50Hz, BS1363A (50/75ft ³ , -3 Models)
OUTL355	Three Internal Outlets, 230V 50Hz, AS/NZS 3112 (50/75ft ³ , -3 Models)
OUTL356	Three Internal Outlets, 230V 50Hz, NBR 14136 (50/75ft ³ , -2 Models)
PORT301	Additional 2" Access Port (10/25/33 ft ³ Models)
PORT303	Fresh Air Port (10 ft ³ Models)

ACCESSORIES

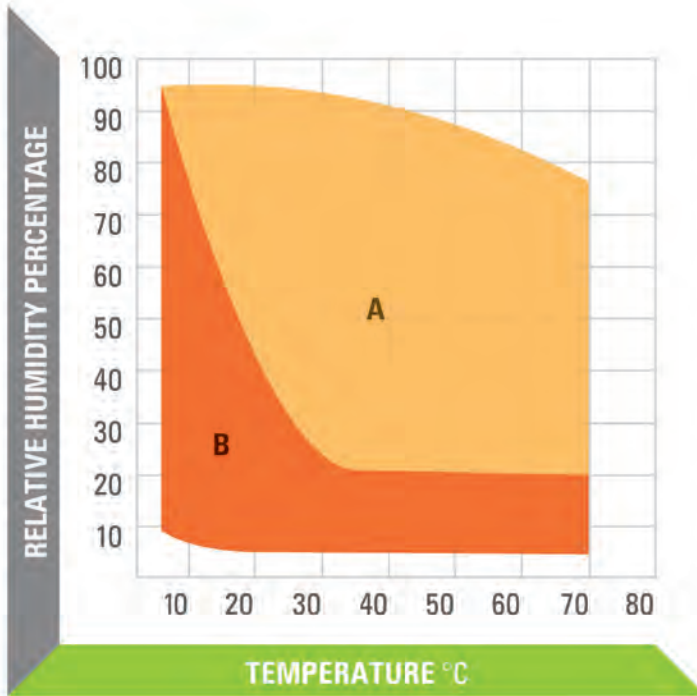
FACTORY INSTALLATION

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

CUSTOMER INSTALLATION

Part No.	Description
CRSY102	Condensate Recirculating System
CRSYKIT	Tubing and Fitting Kit to Connect CRSY102 to 2 Chambers
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 either SHLF323, SHLF324, SHLF313, or SHLF318)
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)
SHLF323	Support Pilasters (2), for SHLF 303 Heavy-duty shelf kit (25 ft ³ Models)
SHLF324	Support Pilasters (2), for SHLF 303 Heavy-duty shelf kit (33 ft ³ Models)
SHLF325	Additional Perforated Shelf / 2 Shelf Tracks (50/75 ft ³ Models)
STCK301	Stacking Kit (10 ft ³ Models)
CART102	Heavy-duty aluminum base, 48" x 30" x 24" / Includes locking casters and undershelf for additional storage

CHAMBER OPERATING RANGE



- A** Standard RH Operating Range
- B** Dryer Package RH Range

CARON®