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

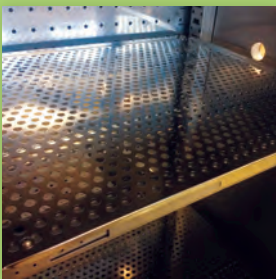**Lowering cost of ownership for the long-term.**

- 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.

Model **7000-75**

Model **7000-50**

Model **7000-25**

Model **7000-33**

Model **7000-10**

MORE OPTIONS TO FIT YOUR APPLICATION

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

DRYER PACKAGE

POWER OUTLETS

RAMP/SOAK PROGRAMMING

OUTPUTS/RECORDERS

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	7000
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	495 Lbs. / 600 Lbs. *(With Export Shipping Crate)*

Model	7000
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	775 Lbs. / 875 Lbs. *(With Export Shipping Crate)*

Model	7000
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	800 Lbs. / 1,100 Lbs. *(With Export Shipping Crate)*

Model	7000
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. *(With Export Shipping Crate)*

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

SPECIFICATIONS

DIMENSIONS / WEIGHTS / SHELVING

Model	7000
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. *(With Export Shipping Crate)*

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

ELECTRICAL

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

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

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

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

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

SPECIFICATIONS

GENERAL

Model Size	7000 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	
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 ft³ 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 ft³ 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 ft³ Models)*
LTCH301	One-Handed Door Latch *(25/33 ft³ Models)*
LTCH302	One-Handed Door Latch with Integral Key Lock *(25/33 ft³ 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

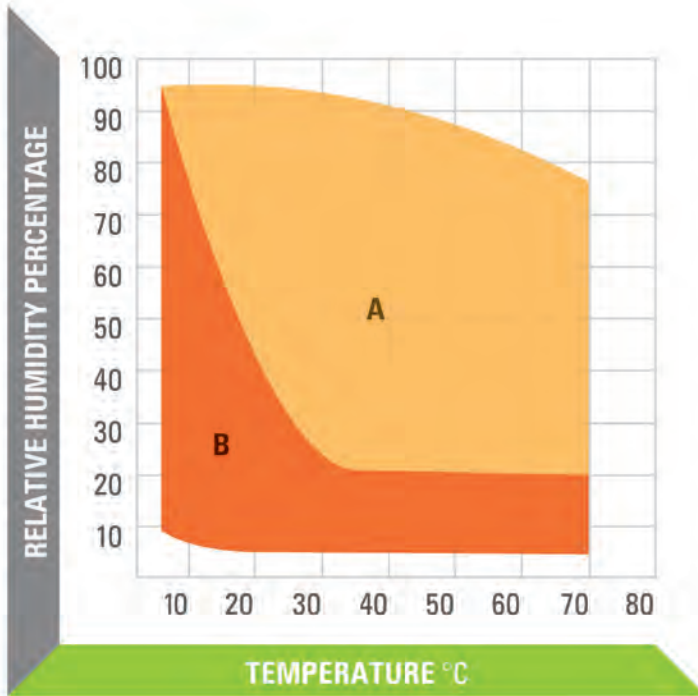| Part No.	Description
COAT313	Electrostatically Coated Evaporator Coils *(25/33 ft³ Models)*
COAT315	Electrostatically Coated Evaporator Coils *(10 ft³ Models)*
COAT317	Electrostatically Coated Evaporator Coils *(50 ft³ Models)*
COAT319	Electrostatically Coated Evaporator Coils *(75 ft³ Models)*
DEFR308	Defrost Package / Operation Down to 0°C *(50/75 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)*
DOOR308	Replace Solid Doors with Glass Doors *(50/75 ft³ Models)*
DOOR309	Replace Dolid Doors with Glass Doors *(50/75 ft³ 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 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 *(3)* / 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 *(4)* / 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)*

CUSTOMER INSTALLATION

Part No.	Description
CRSY102	Condensate Recirculating System
CRSY KIT	Tubing and Fitting Kit to Connect CRSY102 to 2 Chambers
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 either SHLF323, SHLF324, SHLF313, or SHLF318)*
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)*
SHLF323	Support Pilasters (2), for SHLF 303 Heavy-duty shelf kit *(25 ft³ Models)*
SHLF324	Support Pilasters (2), for SHLF 303 Heavy-duty shelf kit *(33 ft³ Models)*
SHLF325	Additional Perforated Shelf / 2 Shelf Tracks *(50/75 ft³ Models)*
STCK301	Stacking Kit *(10 ft³ 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®