

INSECT GROWTH CHAMBERS

6025 & 6045 SERIES



CARON
Opening Doors for Scientists

CUSTOMER DRIVEN DESIGN

RELIABLE, BEST IN CLASS CHAMBERS



The interior is easily removed without tools! This feature includes a unique stainless steel latch that snaps interior components in place. The entire interior is removed in a matter of minutes.

Snapshot of size differences

Model	Capacity	Dimensions
6025	25 cu. ft. 708 Liters	35.5" wide 33.3" deep 77.1" high
6045	33 cu. ft. 934 Liters	35.5" wide 33.3" deep 90.1" high



Model 6045

Model 6025

Caron's full line of Insect Growth Chambers provide a unique, high volume solution for a wide variety of entomological studies. Our Insect Growth Chambers offer reliable results for insect rearing experts in numerous fields and disciplines. Many standard features are incorporated in the design to specifically support insect rearing in an environmental chamber. Because most insect growth studies, such as the rearing of the fruit fly, create acidic secretions, Caron's Insect Growth Chambers come standard with phenolic coated coils, protecting interior components and contributing to a long operating life.

Our Insect Growth Chambers come in 25 and 33 cu. ft. sizes, and are all designed to take up a minimal footprint, allowing you to most efficiently take advantage of your laboratory floor or bench space. Our carefully engineered chambers are energy efficient, lowering operating costs. Multiple optional accessories are available, allowing you to cost-effectively customize the unit according to your specific requirements.

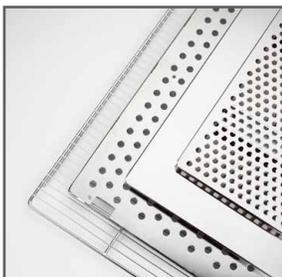
Model 6025 is our 25 cu. ft. unit. It comes standard on heavy-duty casters and is designed to roll through a standard three foot doorway without modification, making installation and relocation easy.

Model 6045 is our 33 cu. ft. unit. It comes standard on heavy-duty swivel casters for easy relocation and is designed for applications demanding large capacity. This unit boasts 33 cu. ft. of high volume testing capacity, giving you 30% more interior space than the Model 6025 in the same small footprint.

FEATURES & BENEFITS

AT A GLANCE STANDARD FEATURES

- The wide temperature range of 5°C to 70°C and humidity range from 20% to 95% offers the flexibility to simulate a wide range of environmental conditions.
- Phenolic-coated refrigeration coils resist the corrosive effects of acids inherent in the rearing of insects, such as drosophila.
- Caron's **gVapor™** delivers controlled humidity vapor on an as needed basis without wasting energy or producing heat.
- **gROD™**, Refrigeration on Demand, efficiently manages power consumption and saves electricity.
- Caron offers an optional fresh air port, which allows ambient air exchange into the chamber.
- These chambers are designed with energy-efficient components, including high R, CFC-free foam insulation. The 115V units will plug into standard laboratory electrical outlets.
- An optional waterproof LED Lighting System simulates diurnal studies. The low profile, side mounted lighting system allows full utilization of the chamber interior.
- Our optional **gLux™** Fluorescent Lighting System includes a cycle timer to simulate day/night conditions. The light banks are independently controlled for versatile interior layout. Lights illuminate the shelf from above and are modular, expandable and waterproof.
- The glass doors are heated, triple-pane and argon filled, which minimizes condensation for a clear view of your products inside.
- Dual display of temperature and humidity allows you to visualize instantaneous setpoint and operating conditions. Setpoints are easily adjusted by simply pressing the up or down arrow keys.
- The stainless steel shelves are adjustable and perforated, making them easy to clean and highly resistant to corrosion. These shelves also slide, making it is easy to locate all product inside.
- The interior is comprised of corrosion-resistant stainless steel and is easily removed without tools for routine cleaning or re-configuration.
- Our ergonomic, limolicious door handle is an attractive, modern design, and allows you to easily access the inside of your chamber.
- The control panel is intuitive, allowing you to easily make adjustments and setpoint changes.
- The 6025 and 6045 models contain two access ports making validation easy and providing you with convenient access to connect instrumentation.
- Many optional accessories are available, allowing you to customize the chamber to your specific application.



Shelving options shown. Perforated shelves come standard. Also available are optional solid and wire rod shelving. All shelves slide and are fully adjustable.



6", 7 Day, 24 Hour, front mounted, built-in temperature recorder (RCDR301) shown on Model 6025.



The light tight door (DOOR301) cover shown on Model 6025. Our light tight door cover is also available for the Model 6045 (DOOR305).

SPECIFICATIONS & OPTIONAL ACCESSORIES

Model Number	6025-1	6025-2	6025-3	6045-1	6045-2	6045-3
Temperature Range	5°C to 70°C					
Temperature Control	±0.1°C					
Temperature Uniformity	±0.3°C					
Temperature Sensor	3-wire RTD					
Humidity Range	20 to 95% RH					
Humidity Control	±2% RH*					
Humidity Sensor	Capacitive					
Interior Dimensions	32" W x 27" D x 52.7" H (81.3 cm x 68.6 cm x 133.9 cm)			32" W x 27" D x 65.7" H (81.3 cm x 68.6 cm x 166.9 cm)		
Interior Construction	Type 304, 2B Finish, Solid Stainless Steel					
Exterior Dimensions	35.5" W x 33.3" D** x 77.1" H (90.2 cm x 84.6 cm x 195.8 cm)			35.5" W x 33.3" D** x 90.1" H (90.2 cm x 84.6 cm x 228.9 cm)		
Exterior Construction	Cold Rolled Steel, Powder Coated					
Work Space	25 cu. ft. (708 Liters)			33 cu. ft. (934 Liters)		
# of Shelves	4 Standard; 25 Maximum			5 Standard; 31 Maximum		
Shelf Construction	Type 304, Perforated Stainless Steel, Electropolished					
Shelf Dimensions	29.25" W x 24.45" D (74.3 cm x 62.1 cm)			29.25" W x 24.45" D (74.3 cm x 62.1 cm)		
Electrical	115V, 60 Hz, 16A	208/230V, 60 Hz, 10A	230V, 50 Hz, 8A	115V, 60 Hz, 16A	208/230V, 60 Hz, 10A	230V, 50 Hz, 8A
Shipping Weight lbs.	775		875***	800		1,100***
Shipping Weight kg.	352		397***	363		499***

NOTE: Specifications are subject to change without notice. Specifications are based on 20°C ambient and standard voltage.

* ±3% when setpoint is above 90% RH.

**Add 2.75" for handle.

***Includes export shipping crate.

Description	Model 6025	Model 6045
Remote alarm contacts provide NO and NC dry contacts for alarms.		ALRM301
Universal Condensate Recirculating System provides a pure water source to the chamber.		CRSY102
Defrost system for operation down to 0°C.		DEFR301
Deluxe controller includes analog outputs, RS-485 communications and ramp/soak.		DLUX302
Light tight door cover.	DOOR301	DOOR305
Light package includes 24 Watt fluorescent gLux lights and timer for diurnal simulations.	LGHT301	LGHT305
LED lighting package includes timer for diurnal simulations.		LGHT302
Fresh air ports.		PORT302
Built-in temperature recorder. Single pen, 6", 7 day, 24 hour.		RCDR301
Built-in temperature recorder. Thermal printer, 10", 7 day, 24 hour.		RCDR303

For additional accessories, visit www.caronproducts.com.