

# INSECT GROWTH CHAMBERS

6015, 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
6015	10 cu. ft. 283 Liters	44.5" wide 31.7" deep 37" high
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

Model 6015

Caron's full line of Insect Growth Chambers provide a unique medium to 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 10, 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 6015** is our 10 cu. ft. unit. It comes standard on leveling feet and fits on a benchtop. These units are stackable and are ideal in a situation where two different setpoints are required or where multiple researchers need their own unit.

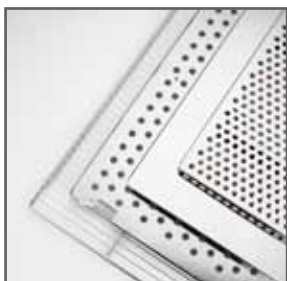
**Model 6025** is our 25 cu. ft. unit. It comes standard on heavy-duty casters and is designed to roll through a standard three foot doorway without modification, making installation and relocation easy.

**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 98% 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 and the 6015 model has one access port, 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.



Stacked 6015's. The optional stacking kit (STCK301) allows you to configure 10 cu. ft. units in stacked position for optimal use of your laboratory space. The bottom unit is shown on optional swivel locking casters (CSTR301).



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



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

# SPECIFICATIONS & OPTIONAL ACCESSORIES

Model Number	6015-1	6015-2	6015-3	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 98% RH								
Humidity Control	±2% RH								
Humidity Sensor	Capacitive								
Interior Dimensions	23" W x 25.8" D x 29.8" H (58.4 cm x 65.5 cm x 75.7 cm)			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	44.5" W x 31.7" D* x 37" H (112.3 cm x 82.8 cm x 92.7 cm)			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	10 cu. ft. (283 Liters)			25 cu. ft. (708 Liters)			33 cu. ft. (934 Liters)		
# of Shelves	3 Standard; 15 Maximum			4 Standard; 25 Maximum			5 Standard; 31 Maximum		
Shelf Construction	Type 304, Perforated Stainless Steel, Electropolished								
Shelf Dimensions	22.5" W x 25.4" D (57.2 cm x 64.5 cm)			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, 12A	208/230V, 60 Hz, 8A	230V, 50 Hz, 6A	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.	495		600**	775		875**	800		1,100**
Shipping Weight kg.	225		272**	352		397**	363		499**

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

\*Add 2.75" for handle. \*\*Includes export shipping crate.

Description	Model 6015	Model 6025	Model 6045
Remote alarm contacts provide NO and NC dry contacts for alarms.	ALRM301		
Laboratory equipment cart (48" x 30" x 24") accommodates up to 800 lbs.	CART102	N/A	
Universal Condensate Recirculating System provides a pure water source to the chamber.	CRSY102		
Defrost system for operation down to 0°C.	DEFR302	DEFR301	
Deluxe controller includes analog outputs, RS-485 communications and ramp/soak.	DLUX302		
Light tight door cover.	Standard	DOOR301	DOOR305
Light package includes 24 Watt fluorescent <b>gLux</b> lights and timer for diurnal simulations.	LGHT303	LGHT301	LGHT305
LED lighting package includes timer for diurnal simulations.	LGHT304	LGHT302	
Fresh air ports.	PORT303	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		
Stainless steel work table.	TABL101	N/A	

For additional accessories, visit [www.caronproducts.com](http://www.caronproducts.com).

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