

# INSECT GROWTH CHAMBER

The CARON Model 6025 Insect Growth Chamber provides a unique high volume solution for a wide variety of entomological studies in many industries. CARON's Insect Growth Chamber offers reliable results for insect rearing experts in numerous fields, such as developmental biology. Many standard features are incorporated in the design to specifically support insect rearing for insect research in an environmental chamber.

## STANDARD FEATURES

- A wide temperature range of 5°C to 70°C, combined with a humidity range of 20% to 98% RH, offers you the flexibility to simulate real-world environmental conditions.
- Phenolic-coated refrigeration coils resist the corrosive effects of acids inherent in the rearing of insects, such as drosophila.
- CARON's specialized **gROD™**, refrigeration on demand, control system efficiently manages power consumption and saves electricity, contributing to lower utility bills.
- CARON's innovative **gVapor™**, a steam-free humidity system, delivers controlled humidity without wasting energy or generating heat and supports lower production costs.
- Our unique design includes "tool-less" reconfiguration of interior components. It allows you to change the interior arrangements to adjust the unit to your specific needs.
- The carefully designed horizontal airflow system generates evenly distributed airflow across all shelf locations. Temperature uniformity and rapid recovery are maintained even under heavy loads.
- Our 25 cu. ft. design comes complete with factory-installed, heavy-duty casters and will roll through a standard 34" x 80" doorway without modification.
- The stainless steel interior chamber and shelving are easily cleaned and highly resistant to corrosion. The ergonomically designed door handle allows easy access into the chamber and contributes to workplace efficiency.
- Two access ports, one on each side of the chamber, provide easy access to connect instrumentation.
- An optional LED Lighting System simulates diurnal (day/night) studies. The low profile, side mounted lighting system allows full utilization of the chamber interior.
- Optional Fluorescent Lighting System includes a cycle timer to simulate diurnal conditions for day/night studies. Three light banks are independently controlled for versatile incubator layout. Lights illuminate the shelf from above and are adjustable in height.



# SPECIFICATIONS

MODEL	6025-1	6025-2	6025-3
Temperature Range	5°C to 70°C		
Temperature Control	± 0.1°C		
Temperature Uniformity	± 0.3°C		
Temperature Sensor	RTD		
Humidity Range	20% to 98% RH*		
Humidity Control	± 3% RH		
Humidity Sensor	Capacitive		
Interior Dimensions	32.0" W x 27.0" D x 52.7" H (81.3 cm x 68.6 cm x 133.9 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)		
Exterior Construction	Cold Rolled Steel, Powder Coated		
Work Space	25 cu. ft. (708 liters)		
# of Shelves	4 Standard; 25 Maximum		
Shelf Construction	Type 304, Stainless Steel, Electropolished		
Shelf Dimensions	29.25" W x 24.45" D (74.3 cm x 62.1 cm)		
Electrical	115V, 60 Hz, 12A	208/230V, 60 Hz, 10A	230V, 50 Hz, 8A
Shipping Weight	725 lbs.		875 lbs.***

\*RH levels limited by 4°C minimum dewpoint. Specifications were established at 20°C with 50% RH ambient conditions, 115V, 60 Hz, without lights.

\*\*Add 2.75 inches for handle.

\*\*\*Includes export shipping crate.

NOTE: Specifications are subject to change without notice.

## OPTIONAL ACCESSORIES

CARON's Insect Growth Chamber is easily configured by selecting from a variety of accessories. Our ergonomically designed LED light system, solid light tight door cover and other optional accessories allow you to purchase options pertinent to your particular application while minimizing the cost.

### STOCK NO. DESCRIPTION

ALRM301	Remote Alarm Contacts. Provides NO and NC dry contacts for alarms.	LOCK301	Outer Door Lock.
CRSY102	Universal Condensate Recirculating System.	PORT301	Additional 2" Access Port.
DEFR301	Defrost System for operation down to 0° C.	PORT302	Fresh Air Ports.
DLUX301	Deluxe Controller for units with two controller systems. Includes Ramp & Soak, Analog Output & RS-485 Communications.	RCDR302	Built-in Temperature/Humidity Recorder. Dual Pen, 6", 7 Day, 24 Hour.
DOOR301	Light Tight Door Cover.	RCDR304	Built-in Temperature/Humidity Recorder. Thermal Printer, 10", 7 Day, 24 Hour.
DRYR301	Heatless Dryer Package, Pure Air System. Allows for operation of the chamber at lower humidity levels (2% RH). Utilizes 90 to 150 psi compressed air.	RCDR306	Side Mounted Temperature/Humidity Recorder. Dual Pen, 10", 7 Day, 24 Hour.
LGHT301	Light Package. Includes (6) 24 Watt fluorescent lights, 2 lights per bank, 3 independent banks. Includes timer for day/night simulations. Designed to work in humidified environments up to 80% RH.	SHLF300	Additional Stainless Steel Perforated Shelf Kit. Includes 2 shelf tracks.
LGHT302	Interior Viewing LED Lighting System. Includes LED lighting strips located on the side walls of the chamber, and a 24 hour timer for day/night simulation. Not intended for plant growth.		