

HEATED & HUMIDIFIED INCUBATORS

6013, 6023, 6043, 6017, 6027 & 6047 SERIES



CARON
Opening Doors for Scientists

CUSTOMER DRIVEN DESIGN

RELIABLE, BEST IN CLASS INCUBATORS



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.



33 cu. ft. unit

25 cu. ft. unit

Stacked 10 cu. ft. units

Caron provides a full range of top of the line environmentally controlled incubators for your small to large capacity testing needs. Our Heated and Humidified Incubators are designed to provide precisely controlled conditions for your research. These incubators offer more than typical competitive units – they are consistently reliable, offer best in class customer friendly features and utilize unique energy efficient components.

Our product offerings serve a wide range of applications, such as clinical and bacteriology studies, environmental testing, elevated temperature studies, elevated humidity studies, industrial testing, coating and adhesive tests, electronics testing and more.

The incubators 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. Multiple optional accessories are available, allowing you to cost-effectively customize the unit according to your requirements.

Model 6013 and 6017 are 10 cu. ft. These incubators come standard on leveling feet and fit 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.

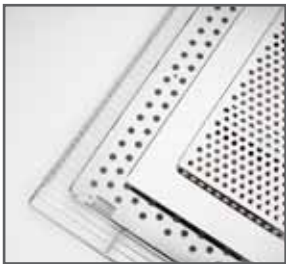
Model 6023 and 6027 are 25 cu. ft. They include heavy-duty swivel casters and are designed to roll through a standard three foot doorway without modification, making installation and relocation easy.

Model 6043 and 6047 are 33 cu. ft. These units come standard on heavy-duty swivel casters for easy relocation and are designed for applications demanding large capacity. They boast 33 cu. ft. of high volume testing capacity, giving you 30% more interior space than the 25 cu. ft. units in the same small footprint.

FEATURES & BENEFITS

AT A GLANCE STANDARD FEATURES

- Humidified Incubators (Models 6017, 6027 and 6047) have a temperature range of 10°C above ambient to 70°C and a humidity range of ambient to 98%.
- Heated Incubators (Models 6013, 6023 and 6043) have a temperature range of 10°C above ambient to 70°C.
- Temperature is controlled with a drift-resistant RTD sensor that maximizes temperature stability over time.
- The Humidified Incubators feature our earth friendly **gVapor™**, which delivers controlled humidity vapor on an as needed basis, without wasting energy or producing heat.
- The “tool-less” removable interior minimizes downtime for cleaning and allows for changes to the interior configuration.
- Caron’s carefully designed horizontal airflow system generates evenly distributed airflow across all shelf locations. Maximum uniformity and rapid recovery are maintained even under heavy cabinet loads.
- The stainless steel interior is effortlessly cleaned and highly resistant to corrosion.
- In the event of a power failure, non-volatile memory allows the chamber to return to its original setpoint when power is restored.
- 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.
- Setpoint deviation alarm visually and audibly alerts you of a problem with the convenient option to silence the alarm.
- The 10 cu. ft. benchtop units come standard with leveling feet, making them ideal for a sturdy benchtop application. These units are also stackable for added convenience.
- The large capacity 25 and 33 cu. ft. units come standard with factory-installed, heavy duty swivel casters and leveling feet, which allow for easy installation and relocation.
- The ergonomic, limolicious door handle is an attractive, modern design, and allows you to easily access the inside of the incubator.
- Sliding stainless steel shelves are readily adjustable to facilitate handling of your samples and allow access to samples at the back of the chamber.
- Access ports make validation easy and provide you with convenient access to connect additional instrumentation.
- Lockable control panel minimizes the possibility of unauthorized access.
- These incubators are designed with high-R, CFC-free foam insulation, making them energy efficient.
- A wide range of accessories are available, allowing you to modify the unit 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 (RCDR302).



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).



Condensate Recirculating System (CRSY102) acts as a water delivery system for humidified chambers. Utilizes chamber condensate and tap water, eliminating the need for a floor drain or a supply of distilled water.

SPECIFICATIONS & OPTIONAL ACCESSORIES

| Model | 6013 | 6017 | 6023 | 6027 | 6043 | 6047 |
|------------------------|--|-------------------|--|-------------------|--|-------------------|
| Temperature Range | 10°C above ambient to 70°C | | | | | |
| Temperature Control | ±0.1°C | | | | | |
| Temperature Uniformity | ±0.3°C | | | | | |
| Humidity Range | N/A | Ambient to 98% RH | N/A | Ambient to 98% RH | N/A | Ambient to 98% RH |
| Humidity Control | N/A | ±3% RH | N/A | ±3% RH | N/A | ±3% RH |
| Humidity Sensor | N/A | Capacitive | N/A | Capacitive | N/A | 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 | 45.5" 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) | |
| *Add 2.75" for handle. | | | | | | |

| Model | 6013-1 | 6013-2 | 6013-3 | 6023-1 | 6023-2 | 6023-3 | 6043-1 | 6043-2 | 6043-3 |
|----------------------|----------------------|-------------------------|---------------------|----------------------|-------------------------|---------------------|----------------------|-------------------------|---------------------|
| | 6017-1 | 6017-2 | 6017-3 | 6027-1 | 6027-2 | 6027-3 | 6047-1 | 6047-2 | 6047-3 |
| Electrical | 115V 60 Hz 12A | 208/230V 60 Hz 6A | 230V 50 Hz 6A | 115V 60 Hz 12A | 208/230V 60 Hz 6A | 230V 50 Hz 6A | 115V 60 Hz 12A | 208/230V 60 Hz 6A | 230V 50 Hz 6A |
| Shipping Weight lbs. | 475 | | 600** | 725 | | 875** | 750 | | 1,000 |
| Shipping Weight kg. | 215 | | 272** | 329 | | 397** | 340 | | 456 |

**Includes Export Shipping Crate.

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

| Description | Heated Incubators (6013, 6023, 6043) | Humidified Incubators (6017, 6027, 6047) |
|---|---|---|
| Remote alarm contacts. Provides NO and NC dry contacts for alarms. | ALRM301 | |
| Side mounted carboy for humidified chambers. | N/A | BOTL301 |
| Condensate Recirculating System. | N/A | CRSY102 |
| Deluxe controller includes ramp & soak, analog output & RS-485 communications. | DLUX302 | DLUX301 |
| Single interior GFI duplex outlet. Fused at 2A. Humidity levels cannot exceed 90% RH. | OUTL301 | |
| Built-in recorder; 6", 7 day, 24 hour. | RCDR301 | RCDR302 |
| Side mounted recorder; 10", 7 day, 24 hour. | RCDR305 | RCDR306 |

For additional accessories, visit www.caronproducts.com.

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