

# ENVIRONMENTAL TEST CHAMBERS

The CARON Model 6030 Environmental Test Chamber provides temperature and humidity control capabilities to create repeatable environmental conditions for numerous applications including product shelf life, stability and package testing, temperature and humidity evaluation studies, electronic component burn-in, TAPPI testing, and more. These chambers were designed in accordance with ICH Guidelines, Q1A.

## STANDARD FEATURES



- The wide temperature range of 5°C to 70°C and humidity range from 20 to 98% RH offer you the flexibility to simulate nearly any environmental condition.
- Microprocessor-based PID controllers maintain excellent stability and provide reliable and repeatable results.
- Dual display of temperature and humidity allows you to visualize instantaneous setpoint and operating conditions.
- CARON's carefully designed horizontal airflow system generates evenly distributed airflow across all shelf locations. Temperature uniformity and rapid recovery are maintained even under heavy cabinet loads.
- A triple-pane glass door minimizes condensation on the door for a clear view of your valuable samples, and aids in rapid temperature recovery.
- The stainless steel interior and wire rod shelving are easily cleaned and highly resistant to corrosion.
- Two access ports, one on each side of the chamber, make validation easy and provide you with convenient access to connect instrumentation.

## STANDARD FEATURES continued

- Lockable full-view glass door and control panel minimize the possibility of unauthorized access.
- In the event of a power failure, non-volatile memory allows the chamber to return to its original setpoint when power is restored.

## SPECIFICATIONS

MODEL	6030-1	6030-2	6030-3
Temperature Range	5°C to 70°C		
Temperature Control	± 0.1°C		
Temperature Uniformity	± 0.3°C*		
Humidity Range	20 to 98% RH**		
Humidity Control	± 2%		
Humidity Sensor	Capacitive		
Interior Dimensions	30" W x 27.5" D x 63.5" H (76.2cm x 69.9cm x 161.3cm)		
Interior Construction	Type 304, 2B Finish Solid Stainless Steel		
Exterior Dimensions	36.9" W x 37" D x 90.3" H (93.7cm x 94.0cm x 229.0cm)		
Exterior Construction	Cold Rolled Steel, Powder Coated		
Work Space	30 cu. ft. (850 liters)		
# of Shelves	Five (5)		
Shelf Construction	304 Stainless Steel, Electropolished, Wire Rod		
Shelf Dimensions	29.25" W x 26.5" D (74.3cm x 67.3cm)		
Electrical	115V, 60 Hz, 25A	208/230V, 60 Hz, 15A	230V, 50 Hz, 15A
Shipping Weight	778 lbs.		1111 lbs.

\*Specifications were established at 20°C with 50% RH ambient conditions.

\*\*See attached Performance Chart for limitations.

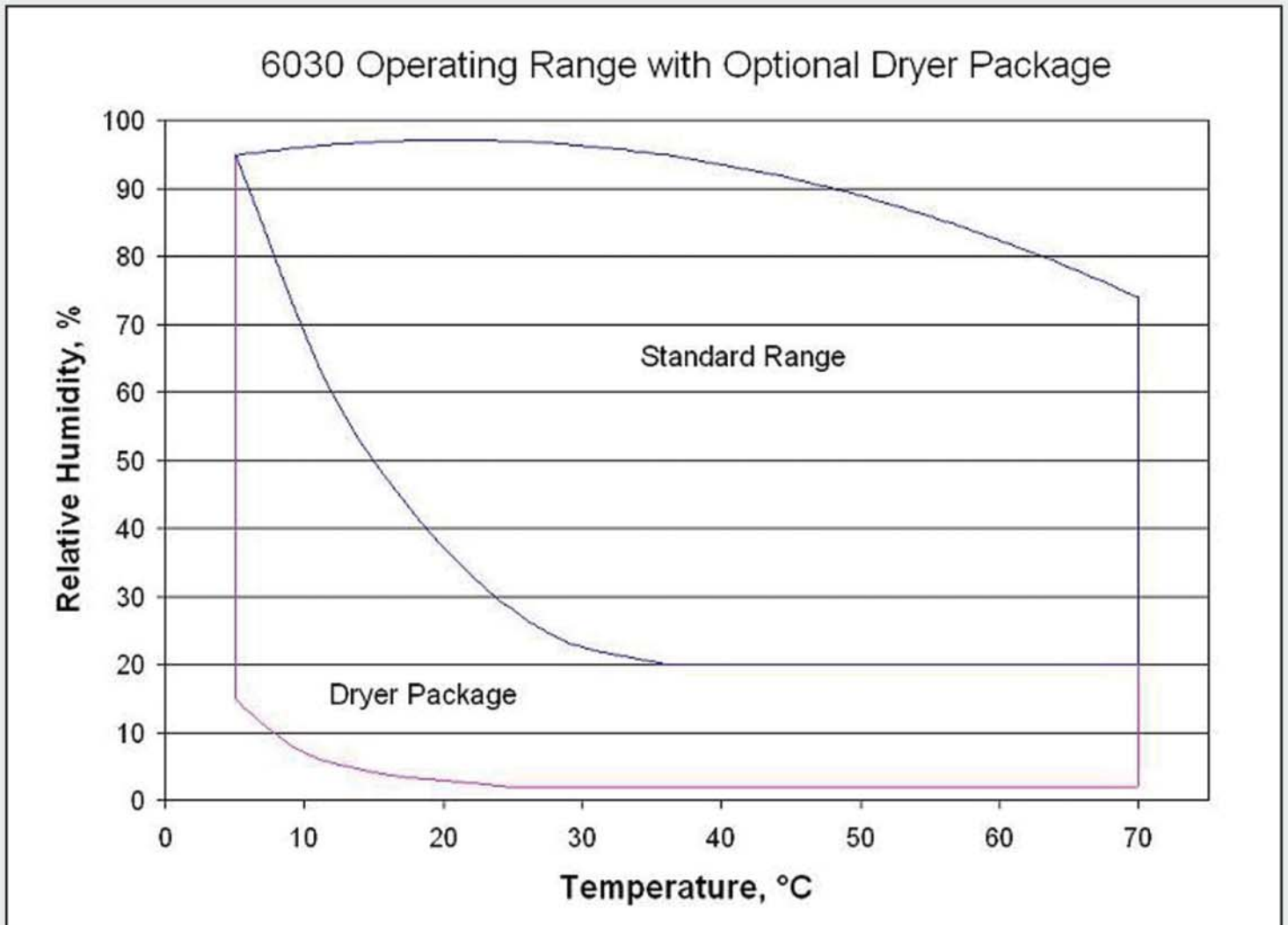
Specifications are subject to change without notice. NOTE: 50 Hz units carry the CE Mark.

# STANDARD ACCESSORIES

## STOCK NO. DESCRIPTION

CRSY102	Universal Condensate Recirculating System. In-line DI cartridge, carbon block filter, anti-bacterial stick, 7 gallon water tank, low water alarm, and recirculation pump.	LGHT102	Light Package includes eight 20 Watt fluorescent lamps (two lamps per shelf on 4 of 5 shelves). Includes 24-hour timer for day/night simulation.
CRSYKIT	Fitting and Tubing Kit (for CRSY102) for connection to two chambers.	LGHT103	LED Lighting System. Includes full length LED light strips located on side walls of chamber and a 24-hour timer for day/night simulation.
FLTR101	Replacement Filter Kit for CRSY102. Includes DI cartridge, carbon filter, and silver stick.	PORT103	Additional 2" access port.
LGHT601	UV Germicidal Water Purifying Lamp for CRSY102.	RCDR103	Temperature/Humidity Recorder. Two pen, Honeywell, 7 day , 10" circular chart.
ALRM202	Remote Alarm Contacts. Provides NO and NC dry contacts for alarms.	RCDR111	Built-in Temperature/Humidity Recorder. Two pen, Cobex, 24 hour or 7 day, 6" circular chart.
CNTC101	Contact Closure Dual Setpoint System. Allows temperature and humidity to switch between two setpoints.	RCDR202	Circular, 10", Honeywell Truline Chart Recorder. Records and charts two variables.
CNTR113	Watlow Ramp & Soak Controller with RS485 communications.	SFTW102	Windows-based Watlow Communications Software for data logging. Requires CNTR113.
DEFR201	Defrost Package for chamber operation down to 0°C.	SHLF100	Additional SS Perforated Shelf. Includes 4 shelf clips.
DOOR505	Solid Light Tight Door Cover.	SHLF101	Additional SS Wire Rod Shelf. Includes 4 shelf clips.
DOOR506	Solid Insulated Door, no glass.	SHLF102	Additional SS Solid Shelf. Includes 4 shelf clips.
DRYR109	Heatless Dryer Package, Purge Air System. Allows for operation of the chamber at lower humidity levels (2% RH). Requires compressed air.		

# PERFORMANCE CHART



11/08