HEATED & HUMIDIFIED INCUBATORS

7002/7003 SERIES: REACH-IN & BENCHTOP CAPACITIES

laftech

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NATA Accredited Laboratory

CARON

Opening Doors for Scientists

PRODUCT LINE OVERVIEW

HEATED AND HUMIDIFIED INCUBATORS DESIGNED FOR A WIDE RANGE OF APPLICATIONS

Overview of Models & Exterior Dimensions					
Model	**Type**	**Capacity**	**Width**	**Depth**	**Height**
7002-10	Heat Only	10 ft³ (283L)	44.5″	31.7″	37″
7003-10	Heat/Humidify	10 ft³ (283L)	44.5″	31.7″	37″
7002-25	Heat Only	25 ft³ (708L)	35.5″	33.3″	77.1″
7003-25	Heat/Humidify	25 ft³ (708L)	35.5″	33.3″	77.1″
7002-33	Heat Only	33 ft³ (934L)	35.5″	33.3″	90.1″
7003-33	Heat/Humidify	33 ft³ (934L)	35.5″	33.3″	90.1″

Caron's **Heated and Humidified Incubators** are ideal for a wide range of applications that require precise control of above ambient conditions, such as biological culture testing and environmental studies.

33 ft³
Large capacity, small footprint

25 ft³
Rolls through a standard doorway

10 ft³
Fits on a benchtop, stackable

Heated Only and Heated/Humidified Incubators: This product line is designed to provide accurate temperature control for studies requiring 10°C above ambient to 70°C. Additionally, the 7003 Humidified models provide ambient to 98% RH controls.

These incubators offer more than typical competitive units – they offer best in class customer friendly features, are consistently reliable and are energy efficient. Common applications include: clinical/bacteriology studies, environmental testing, accelerated testing of chemicals, pharmaceuticals and biological products, elevated temperature/humidity studies, industrial testing, coating and adhesive tests, electronics testing and more.

The 25 ft³ (708L) and 33 ft³ (934L) units come standard with swivel locking casters and leveling feet, which aid in installation and relocation. 10 ft³ (283L) models are stackable or can fit on a benchtop.

Our large variety of optional accessories allow you to easily choose the options you need for your application. Caron also offers a broad array of optional factory direct services to support your facility needs. Our validation services provide complete mapping and performance certification to satisfy FDA guidelines for qualification verification of equipment.

New touchscreen controls: simple & convenient! The intuitive control panel has a real-time clock, an on-screen trend graph, is easy to reach and simple to use with fewer buttons to navigate. Just touch the 7″ full-color screen to put command at your fingertips. Our controls are "smart," using breadcrumb trail navigation to keep track of your location within the menus.

The icon-based status center provides vital information updates, including: alerts, alarms and information statuses, allowing for peace of mind, worry-free operation. In fact, these updates include built-in preventative maintenance, which are real-time reminders for basic service updates. Regular maintenance enhances and preserves the reliability of your incubator.

All alerts, alarms and information status icons will display in the status bar when initiated, with detailed information ready-to-read by simply selecting the icon. Our snooze mode is a convenient function that allows you to be reminded of alarms at a later time. Additionally, the built-in intelligence avoids nuisance alarms and the password protection feature prevents unauthorized access.

FEATURES, BENEFITS & ACCESSORIES

OPTIMUM UNIFORMITY, STABILITY AND PERFORMANCE

- Humidified Incubators use Caron's **gVapor**™ which delivers controlled humidity vapor on an as-needed basis without wasting energy or producing heat.
- Caron's new absolute humidity control allows for faster open door recovery, quicker response time to setpoint changes and minimizes water use.
- 7" color touchscreen is intuitive and features easy-to-read icons and a familiar, user-friendly display that can be operated with gloves on.
- The user interface includes a configurable status center with built-in information updates, alerts and alarms to communicate a wide range of status conditions to the user.
- These Heated & Humidified Incubators are designed with energy-efficient components, including high R, CFC-free foam insulation and 115V units will plug into standard laboratory electrical outlets, which contribute to cost savings.
- Caron's horizontal airflow system generates gentle and evenly distributed airflow across shelf locations. Temperature uniformity and rapid recovery are always maintained, even under heavy loads.
- Our tool-less removable interior uses stainless steel latches, making it easy to clean and reconfigure.
- The glass doors are heated, triple-pane and Argon-filled, minimizing condensation for a clear view inside.
- The interior is comprised of stainless steel, making it easy to clean 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.
- Caron green door handles are aesthetically pleasing and enhance ergonomics.
- The stainless steel shelves slide into place and are adjustable, making them easy to clean, easy to relocate and highly resistant to corrosion.
- 25 ft^3 and 33 ft^3 units have two access ports (one on each side) and the 10 ft^3 unit has one access port, making validation easy and providing convenient access to connect instrumentation.
- Many optional accessories are available, allowing you to modify the chamber to your specific application.

OPTIONAL ACCESSORIES (CONTINUED ON BACK)

CAN BE RETRO-FITTED IN THE FIELD BY A QUALIFIED TECHNICIAN	
ALRM302	Remote alarm contacts provides NO & NC dry contacts.
CSTR301	4 swivel casters; 2 locking & 2 non-locking (for 10 ft^3 models).
OUTP301	Universal analog output (0-5V, 4-20mA). Provides 1 connection for monitoring temperature (7002 Models).
OUTP302	Universal analog output (0-5V, 4-20mA). Provides 2 connections for monitoring temperature & humidity (7003 Models).
RCDR316	Built-in temperature recorder. Single pen, 6", 7 day, 24 hr. (7002 Models).
RCDR317	Built-in temperature/humidity recorder. Dual pen, 6", 7 day, 24 hr. (7003 Models).
RCDR318	Built-in temperature recorder. Thermal printer, 10", 7 day, 24 hr. (7002 Models).
RCDR319	Built-in temperature/humidity recorder. Thermal printer, 10", 7 day, 24 hr. (7003 Models).
RCDR320	Side-mounted temperature recorder. Single pen, 10", 7 day, 24 hr. (7002 Models).
RCDR321	Side-mount temperature/humidity recorder. Dual pen, 10", 7 day, 24 hr. (7003 Models).
RCDR322	Side-mounted temperature recorder. Thermal printer, 12", 7 day, 24 hr. (7002 Models).
RCDR323	Side-mount temperature/humidity recorder. Thermal printer, 12", 7 day, 24 hr. (7003 Models).

REQUIRES CUSTOMER ASSEMBLY/INSTALLATION	
SHLF300	Additional perforated shelf kit, 2 shelf tracks (for 25 & 33 ft^3 models).
SHLF301	Additional wire rod shelf kit, 2 shelf tracks (for 25 & 33 ft^3 models).
SHLF302	Additional solid shelf kit, 2 shelf tracks (for 25 & 33 ft^3 models).
SHLF303	Additional heavy-duty perforated shelf kit (for 25 & 33 ft^3 models). Requires SHLF313, SHLF318, SHLF323 or SHLF324.
SHLF304	Additional perforated shelf kit, 2 shelf tracks (for 10 ft^3 models).
SHLF305	Additional wire rod shelf kit, 2 shelf tracks (for 10 ft^3 models).
SHLF306	Additional solid shelf kit, 2 shelf tracks (for 10 ft^3 models).
STCK301	Stacking kit (for 10 ft^3 models).
MUST BE FACTORY INSTALLED AT TIME OF INITIAL ORDER	
DLOG301	Data logging & storage to a USB flash drive; 1 year storage.
LGHT320	Light package with (4) 24 Watt Fluorescent lights, 2 lights per bank, 2 banks, day/night timer (for 10 ft^3 models).
LGHT321	Light package with (6) 24 Watt Fluorescent lights, 2 lights per bank, 3 banks, day/night timer (for 25 ft^3 models).
LGHT322	Light package with (8) 24 Watt Fluorescent lights, 2 lights per bank, 4 banks, day/night timer (for 33 ft^3 models).
LGHT323	Interior LED lighting with day/night timer (for 10 ft^3 models).
LGHT324	Interior LED lighting with day/night timer (for 25/33 ft^3 models).
LOCK301	Outer door lock (for 25 & 33 ft^3 models).
OUTL305-1	One internal outlet, 115V 60Hz, NEMA 5-15 (for -1 models).
OUTL305-2	One internal outlet, 115V 60Hz, NEMA 5-15 (for -2 models).
OUTL306-3	One internal outlet, 230V 50Hz, CEE 7/16 (for -3 models).
OUTL307-3	One internal outlet, 230V 50Hz, BS1363A (for -3 models).

SPECIFICATIONS & OPTIONAL ACCESSORIES

Model	7002-10 (-1,-2, -3)	7003-10 (-1,-2, -3)	7002-25 (-1,-2, -3)	7003-25 (-1,-2, -3)	7002-33 (-1,-2, -3)	7003-33 (-1,-2, -3)
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 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	
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	7002-10-1 / 7003-10-1	7002-10-2 / 7003-10-2	7002-10-3 / 7003-10-3	7002-25-1 / 7003-25-1	7002-25-2 / 7003-25-2	7002-25-3 / 7003-25-3	7002-33-1 / 7003-33-1	7002-33-2 / 7003-33-2	7002-33-3 / 7003-33-3
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.	420		540**	675		815**	765		915**

**Includes Export Shipping Crate.
NOTE: Specifications are subject to change without notice. Specifications are based on 20°C ambient and standard voltage.

MORE OPTIONAL ACCESSORIES (CONTINUED)

MUST BE FACTORY INSTALLED AT TIME OF INITIAL ORDER	
OUTL308-3	One internal outlet, 230V 50Hz, AS/NZS 3112 (for -3 models).
OUTL309-2	One internal outlet, 230V 60Hz, NBR 14136 (for -2 models).
OUTL310-1	3 internal outlets, 115V 60 Hz, NEMA-5-15 (25 & 33 ft³, -1 models).
OUTL310-2	3 internal outlets, 115V 60Hz, NEMA-5-15 (25 & 33 ft³, -2 models).
OUTL311-3	3 internal outlets, 230V, 50Hz, CEE 7/16 (25 & 33 ft³, -3 models).
OUTL312-3	3 internal outlets, 230V 50Hz, BS1363A (25 & 33 ft³, -3 models).
OUTL313-3	3 internal outlets, 230V 50Hz, AS/NZS 3112 (25 & 33 ft³, -3 models).
OUTL314-2	3 internal outlets, 230V 60Hz, NBR 14136 (25 & 33 ft³, -2 models).
PORT301	Additional 2" access port.
RAMP301	Ramp/soak programming; 5 profiles/10 steps each, 50 steps.

SHLF307	Heavy-duty reinforced shelf/floor (for 10 ft³ units).
SHLF311	Wire rod shelf kit, set of 4, replaces standard shelving (25 ft³).
SHLF312	Solid shelf kit, set of 4, replaces standard shelving (25 ft³).
SHLF313	Heavy-duty perforated shelf kit, set of 4, replaces standard shelving (25 ft³).
SHLF314	Wire rod shelf kit, set of 3, replaces standard shelving (10 ft³).
SHLF315	Solid shelf kit, set of 3, replaces standard shelving (10 ft³).
SHLF316	Wire rod shelf kit, set of 5, replaces standard shelving (33 ft³).
SHLF317	Solid shelf kit, set of 5, replaces standard shelving (33 ft³).
SHLF318	Heavy-duty perforated shelf kit, set of 5, replaces standard shelving (33 ft³).
SHLF323	Pilaster kit (set of 2) for use with SHLF303, SHLF313, SHLF320 & SHLF321 (25 ft³).
SHLF324	Pilaster kit (set of 2) for use with SHLF303, SHLF318, SHLF320 & SHLF322 (33 ft³).

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