

## CARON'S 7004 SERIES, STABILITY FREEZER

### Precision Freezing for Pharmaceutical Excellence

In the world of pharmaceutical research and development, precise and reliable environmental conditions are not just an option — they're imperative. Enter the Stability Freezer 7004 Series from Caron, a state-of-the-art solution crafted to meet the stringent requirements of stability testing for drug substances and drug products. Designed to maintain tight temperature conditions and comply with ICH Q1A guidelines, this freezer is tailored for labs that demand the utmost accuracy and reliability in their cooling systems.

### WHY CHOOSE CARON'S STABILITY FREEZER OVER TYPICAL FREEZERS?

#### THE PROBLEM WITH ORDINARY FREEZERS

- ✓ **COLD WALL FREEZERS:** require frequent defrosting and must be kept full or rarely opened to maintain temperature consistency.
- ✓ **FORCED AIR FREEZERS:** struggle with load validation, experience defrost spikes that go out of specified ranges, and cannot reliably maintain temperature under operational stresses.

#### THE STABILITY FREEZER ADVANTAGE

- ✓ **ADVANCED DEFROST CYCLE:** Defrosts every 12 hours with a 4–5 minute melt and pre-cooling to keep warm-up within  $\pm 5^{\circ}\text{C}$ , returning to set point in 20 minutes.
- ✓ **DYNAMIC TEMPERATURE RANGE:** Offers a broad operating range from  $-25^{\circ}\text{C}$  to  $+10^{\circ}\text{C}$  without the need for a water source or drain, simplifying installation and maintenance.
- ✓ **SOLID DESIGN:** Features a solid door with a secure door latch, engineered for both performance and durability.

**\*Note:** Some options like glass doors, reinforced shelves, and humidity control are not available, ensuring each unit is optimized for its specific function.



#### CUSTOMIZABLE OPTIONS TO FIT YOUR LAB'S NEEDS

- ✓ **REMOTE MONITORING:** ALRM302 for remote alarm contacts to keep you informed of operational statuses.
- ✓ **DATA INTEGRITY:** DLOG301 for precise data logging to ensure accurate monitoring and compliance.
- ✓ **ENHANCED OUTPUT:** OUTP301 provides analog outputs for expanded connectivity.
- ✓ **INCREASED STORAGE:** SHLF300 offers extra shelves to maximize space efficiency.

### SIMPLIFY YOUR LAB'S OPERATIONS

Caron's 7004 Series goes beyond the basics, offering dependable stability and consistent results. Designed with the needs of professionals in mind, this freezer combines sophisticated technology with user-friendly functionality, making it ideal for stringent drug stability testing. Equip your lab with the Stability Freezer 7004 Series and experience the Caron Difference in your research.

**Upgrade to Caron's Stability Freezer and experience precision freezing, designed with your lab's success in mind.**

## STABILITY FREEZER/REFRIGERATOR: MODELS: 7004-25 / 7004-33



Model	7004-25-1	7004-25-2	7004-25-3	7004-33-1	7004-33-2	7004-33-3
Temperature Range	-25°C to 10°C					
Temperature Control	±5°C*					
Temperature Sensor	3-wire RTD					
Interior Dimensions	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	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	25 cu. ft. (708 Liters)			33 cu. ft. (934 Liters)		
# of Shelves	4 Standard; 25 Maximum			5 Standard; 31 Maximum		
Shelf Construction	Type 304, Perforated Stainless Steel, Electropolished					
Shelf Dimensions	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, 16A	208/230V, 60 Hz, 10A	230V, 50 Hz, 8A	115V, 60 Hz, 16A	208/230V, 60 Hz, 10A	230V, 50 Hz, 8A

\*NOTE: Maximum temperature swing during a defrost cycle is +/- 5C which is in-line with ICH specifications.

Part No.	Accessory Description	7004-25	7004-33
ALRM302	Remote Alarm Contacts for 7000 Series Chambers. Provides NO and NC dry contacts for alarms.	●	●
DLOG301	Onboard USB connections allow real-time electronic data logging and storage on a USB flash drive. Logged parameters are time stamped and include chamber temperature and (if applicable) humidity, CO2 level, and light intensity. Records over one year of data.	●	●
OUTP301	Universal analog output (0-5V, 4-20mA). Provides one connection for monitoring temperature.	●	●
PORT301	Additional 2" Access Port for 10, 25, and 33 CF Chambers.	●	●
RCDR332	Side-Mounted Temperature Honeywell Truline Recorder. Thermal Printer, 12", 7 day, 24 hour.	●	●
SHLF300	Additional Stainless Steel Perforated Shelf Kit. Includes 2 shelf tracks.	●	●
SHLF301	Additional Stainless Steel Wire Rod Shelf Kit. Includes 2 shelf tracks.	●	●
SHLF302	Additional Stainless Steel Solid Shelf Kit. Includes 2 shelf tracks.	●	●
SHLF303	Additional Heavy-duty Stainless Steel Perforated Shelf Kit for 25/33 CF.	●	●
SHLF316	Wire Rod Shelf Kit to replace standard shelving on 33 CF Chambers. Includes 5 stainless steel wire rod shelves.		●
SHLF317	Solid Shelf Kit to replace standard shelving on 33 CF Chamber. Includes 5 stainless steel shelves.		●
SHLF318	Heavy-duty Perforated Shelf Kit to replace standard shelving on 33 CF Chambers. Includes 4 heavy-duty perforated stainless steel shelves		●
SHLF324	33 CF Series Pilaster Kit. Includes two stainless steel pilasters. For use with SHLF303, SHLF320, and SHLF322. To be installed in the back interior of the chamber. For more demanding, adjustable shelving applications.		●
WALL301	Wall trim kit for mounting a 25ft 3 incubator recessed into a wall. Includes double vapor barrier frame seal and bottom covered skirt. Ideal for applications where the front of the incubator is installed in a cleanroom, and the back is located outside the cleanroom. Installation (sold separately) does not require the use of fasteners.	●	●
WALL302	Wall trim kit for mounting a 33ft 3 incubator recessed into a wall. Includes double vapor barrier frame seal and bottom covered skirt. Ideal for applications where the front of the incubator is installed in a cleanroom, and the back is located outside the cleanroom. Installation (sold separately) does not require the use of fasteners.	●	●
WALL303	Modifies a 7400-25 and 7400-33 incubator (painted, refrigerated) for installation within a wall. Includes split-cover access panel, power switch moved to the rear, and solid front bezel.	●	●
WALL304	Modifies a 7401-25 and 7401-33 incubator (painted, refrigerated) for installation within a wall. Includes split-cover access panel, power switch moved to the rear, and solid front bezel.	●	●
WALL305	Modifies a 7400-25 and 7400-33 incubator (painted, refrigerated) for installation within a wall. Includes split-cover access panel, power switch moved to the rear, and solid front bezel.	●	●
WALL306	Modifies a 7401-25 and 7401-33 incubator (painted, refrigerated) for installation within a wall. Includes split-cover access panel, power switch moved to the rear, and solid front bezel.	●	●