



**Thermo Scientific Revco High-Performance  
Laboratory Refrigerators and Freezers**

*Laboratory*

*Blood Bank*

*Chromatography*

*Pharmacy*

*Plasma*

*Enzyme*

**your samples**  
our obsession

**Thermo**  
SCIENTIFIC

# Thermo Scientific™ Revco™ High-Performance Laboratory Refrigerators and Freezers

## It's a cold hard fact:

Temperature variation can have an impact on the viability of samples and the efficacy of reagents. These variations can shorten product shelf life, degrade enzymes and reduce vaccine effectiveness. Therefore, it's important to choose a high-performance refrigerator or freezer that has been designed for the demanding standards of your laboratory.

**Our Revco high-performance lab refrigerators and freezers are designed from the ground up for your most demanding applications, with features not found in domestic units, including:**

Advanced microprocessor-controlled setpoints for precise temperature regulation

Directional airflow for uniform temperature at all shelf levels

Key-operated alarms and setpoint security

Easy-to-read digital displays

Multi-pane, glass doors

Optional temperature recording charts to confirm storage parameters

Standard 1-inch access ports



We are dedicated to

## Protecting your samples, protecting the environment.

**We continually search for ways to enhance  
our products and processes responsibly:**

- Reduce the use of refrigerants in our cold storage equipment
- Use solvent-free, energy-conserving paint technology
- We recycle scrap metal, copper and aluminum in our production facilities
- Fluorescent lighting in our refrigerators replaced with mercury-free, energy-efficient LED lights

## TABLE OF CONTENTS

### REFRIGERATORS



**Laboratory**  
PAGE 8-9



**Chromatography**  
PAGE 10-11



**Blood Bank**  
PAGE 12-13

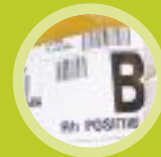


**Pharmacy**  
PAGE 14-15

### FREEZERS



**Laboratory**  
PAGE 16-17



**Plasma**  
PAGE 18-19



**Enzyme**  
PAGE 20



**Services, Accessories  
and Related Products**  
PAGES 22-27

Advanced design. Quality construction.

## Sample protection that fits your application.

**Like a vault protecting your valuables, protection starts with a solid foundation:**

- Powerful industrial compressors provide fast recovery from door openings and the addition of new samples
- Heavy walled, CFC-free insulation ensure temperature stability and minimize energy use
- Microprocessor control provides flexibility in setpoints and alarms, plus accurate temperature control

All of our refrigerators and freezers meet UL, CUL and CE safety standards.



45.8 cu. ft. sliding door, chromatography refrigerator

Clockwise from L to R: 4.9 cu. ft. undercounter lab freezer,  
29.2 cu. ft. blood bank refrigerator, 51.1 cu. ft. lab refrigerator,  
23.3 cu. ft. enzyme freezer

<b>SELECTOR GUIDE</b>	<b>4°C</b>	<b>-20°C</b>	<b>-30°C</b>
<b>Feature Selections</b>			
UL/CE compliant	•	•	•
Keyed door security	•	•	•
Adjustable setpoint/alarm	•	•	•
Remote alarm contact	•	•	•
Electronic alarm/probe test	•	•	•
Available chart recorder	•	•	•
Standard access ports	•	•	•
Choice of shelves/drawers	•	•	•
Self-closing 90° stop door	•	•	•
Door type	solid or glass	solid	solid
Forced air cooling	•		•
Automatic defrost	•		•
Convection cooling		•	
Manual defrost		•	
Interior lighting	•		
<b>Applications</b>			
General storage	•	•	•
Reagents and kits	•		
Whole blood	•		
Plasma			•
Enzymes and temperature sensitive materials		•	
Chromatography apparatus and instrumentation	•		
Test samples	•	•	•
Biologicals	•	•	•
Culture media	•		
Patient medication	•	•	
Vaccines	•	•	•
Shelf life testing	•		
PCR reagents and primers	•	•	



# Microprocessor-Based Controller

## simplifies operation, improves reliability

### Setpoint Security

Key-operated triple position switch for main power and alarm; locks in temperature and alarm setpoints to minimize setpoint error and prevent tampering

### Graphic Thermometer

Easy to view, shows normal, high or low temperature condition; steady green for normal, flashing top bar for overtemperature, flashing bulb for undertemperature

### Power Failure

Illuminated when main power is interrupted

### Service Required

Illuminated when controller is in programming mode, or if simulated warm or cold conditions fail to occur during alarm test function

### Touchpad Data Entry

Increases or decreases setpoint values in programming mode

### Interior Light Switch

Enables interior lighting system (on glass door cabinets)



### Automatic Defrost System

Defrost sensor manages automatic defrost cycle (except manual defrost models)

### Door Ajar

Illuminated when door is left open (not available on sliding glass door cabinet)

### Battery Backup

Continuous charge provides full alarm function in case of power failure

### Low Battery Alarm

Illuminated when the alarm system battery backup charge is low

### Audible Alarm

Simulates in the event of warm, cold or power loss conditions. Mute will silence audible alarm with 6 minute ring back interval; display remains flashing

### TempTest™ Alarm Test

Creates simulated overtemperature and undertemperature condition and activates audible and visual alarms; display flashes momentarily when test is complete



## Bright, Easy-to-Read Display

Lets you know at-a-glance if your unit is running within range. Visual and audio alarms are designed to alert you in the event of a problem. Immediate access to high and low temperature parameters with the press of a button.

### Touchpad Scan

Changes main display; also used to access various programming and service functions (alarm mute, recall 6 minutes).








### Digital Display

Indicates cabinet temperature during normal operation, flashes during alarm condition or setpoint adjustment. Displays other values with touchpad sequence.

### Service Parameters

Touchpad sequence allows override access to control function defaults for troubleshooting functions.

## Automatic and Manual Defrost Selection Guide

							
<b>Cu. Ft. (L)</b>	<b>4.7 (133)</b>	<b>11.5 (326)</b>	<b>23.3 (659)</b>	<b>29.2 (826)</b>	<b>45.8 (1297)</b>	<b>51.1 (1447)</b>	<b>78.8 (2231)</b>
<b>Automatic Defrost Models</b>							
Chromatography Refrigerators			•	•	•	•	•
High-Performance Lab Refrigerators	•	•	•	•	•	•	•
Blood Bank Refrigerators	•	•	•	•	•	•	•
Pharmacy Refrigerators		•	•	•	•	•	
High-Performance Lab Freezers, -30°C	•	•	•	•	•	•	
Plasma Freezers, -30°C	•	•	•	•		•	
<b>Manual Defrost Models</b>							
Enzyme Freezer, -20°C			•				
High-Performance Lab Freezers, -20°C			•				

*Remote alarm contacts are included on all models.*

# Laboratory Refrigerators

Our Revco **high-performance, laboratory refrigerators** are available in a wide range of cabinet sizes to fit virtually any application need.

Each refrigerator combines advanced microprocessor temperature control with the highest quality cabinet construction and alarm systems. Positive-forced air circulation maintains temperature uniformity to protect your valuable samples and inventory.

- Forced air circulation for uniform temperature and fast door opening recovery
- Heat-free defrost for maximum uniformity
- Choice of glass or solid doors
- Four casters, front two are lockable
- 1" (2.5cm) insulated access port
- Bright, LED interior lighting
- Adjustable, epoxy-coated wire shelves are standard (optional drawers)
- TempTest electronic probe/alarm test
- Keyed on/off switch with setpoint security
- Self-closing door with 90° stop (except REL4504 model)
- Built-in remote alarm contacts
- Optional 4-20 milliamp output
- **NEW!** Optional +5°C setpoint can be customized for users validating lab refrigerators in the +2 to +8°C setpoint (not available on 45 cu. ft. sliding door or 78 cu. ft. trip door models; order option 7508TA with your lab refrigerator)

## Thermo Scientific Revco High-Performance Laboratory Refrigerators With Glass Doors

Temperature Range: +1°C to +8°C, factory preset to +4°C (auto defrost) Optional +5°C setpoint available (order option 7508TA)

Model No.	Cu.Ft. (L)	Voltage (Hz)	Amps/ Breaker (Plug)	Cabinet	Door	Adjustable Shelves	Int. Dimensions* H x D x W inches (mm)	Ext. Dimensions* H x D x W inches (mm)	Ship Weight lb (kg)
RGL404A RGL404D RGL404V RGL404W	4.9 (133)	115 (60) 208/230 (60) 230 (50) 230 (50)	8.0/15 (P1) 6.0/15 (P4) 6.0/15 (P7) 6.0/15 (P8)	undercounter	single	3	20.0 x 20.5 x 20.0 (508 x 521 x 508)	33.4 x 26.0 x 24.0 (850 x 660 x 610)	220 (100)
							Exterior height before caster installation.		
RGL1204A RGL1204D RGL1204V RGL1204W	11.5 (326)	115 (60) 208/230 (60) 230 (50) 230 (50)	9.4/15 (P1) 6.0/15 (P4) 6.0/15 (P7) 6.0/15 (P8)	space saver	single	4	52.4 x 21.75 x 20.0 (1331 x 553 x 508)	73.6 x 29.4 x 24.0 (1869 x 748 x 610)	280 (127)
RGL2304A RGL2304D RGL2304V RGL2304W	23.3 (659)	115 (60) 208/230 (60) 230 (50) 230 (50)	9.4/15 (P1) 6.0/15 (P4) 6.0/15 (P7) 6.0/15 (P8)	upright	single	4	58.0 x 29.0 x 24.0 (1473 x 737 x 610)	79.2 x 37.2 x 28.0 (2012 x 945 x 711)	370 (168)
RGL3004A RGL3004D RGL3004V RGL3004W	29.2 (826)	115 (60) 208/230 (60) 230 (50) 230 (50)	9.4/15 (P1) 6.0/15 (P4) 6.0/15 (P7) 6.0/15 (P8)	upright	single	4	58.0 x 29.0 x 30.0 (1473 x 737 x 762)	79.2 x 37.2 x 34.0 (2012 x 945 x 864)	435 (197)
REL4504A REL4504D REL4504V REL4504W	45.8 (1297)	115 (60) 208/230 (60) 230 (50) 230 (50)	15.0/20 (P2) 8.5/15 (P4) 8.5/15 (P7) 8.5/15 (P8)	upright	double sliding	8	58.0 x 26.0 x 52.5 (1473 x 660 x 1334)	79.1 x 34.5 x 56.5 (2010 x 876 x 1435)	670 (304)
RGL5004A RGL5004D RGL5004V RGL5004W	51.1 (1447)	115 (60) 208/230 (60) 230 (50) 230 (50)	15.0/20 (P2) 8.5/15 (P4) 8.5/15 (P7) 8.5/15 (P8)	upright	double	8	58.0 x 29.0 x 52.5 (1473 x 737 x 1334)	79.2 x 37.2 x 56.5 (2012 x 945 x 1435)	585 (265)
RGL7504A RGL7504D RGL7504V RGL7504W	78.8 (2231)	115 (60) 208/230 (60) 230 (50) 230 (50)	16.0/20 (P2) 10.5/15 (P4) 10.5/15 (P7) 10.5/15 (P8)	upright	triple	12	58.0 x 29.0 x 81.0 (1473 x 737 x 2057)	79.2 x 37.2 x 85.0 (2012 x 945 x 2159)	805 (365)

\* Published interior volumes are nominal; useable cu.ft. (L) capacities may be offset by shelves, drawers, blower coils, or cabinet protrusions. For specific cabinet dimensions and allowances, or for verification of clearance tolerances, contact our sales representative. Product performance may be affected by ambient temperature conditions, humidity conditions, sample loading preferences, and frequency of door openings. Contact our sales representative for specific inquiries regarding your application. 4.7 cu. ft. exterior dimensions are without casters.





Optional, inkless, seven day, graphic, chart recorder

**Control Panel:**

Keyed on/off switch with set point security

Microprocessor control system with audio and visual alarms

Bright, digital temperature display

**Doors:**

Spring-loaded, self closing doors with 90° stay-open feature

Lockable doors for added sample security

Cabinets shown: 23.3 cu. ft. single door (RGL2304) lab refrigerator with glass door and 51.1 cu. ft. double door (RGL5004) lab refrigerator with solid doors

## Thermo Scientific Revco Laboratory Refrigerators With Solid Doors

**Temperature Range:** +1°C to +8°C, factory preset to +4°C (auto defrost) Optional +5°C setpoint available (order option 7508TA)

Model No.	Cu.Ft. (L)	Voltage (Hz)	Amps/ Breaker (Plug)	Cabinet	Door	Adjustable Shelves	Int. Dimensions* H x D x W inches (mm)	Ext. Dimensions* H x D x W inches (mm)	Ship Weight lb (kg)
REL404A REL404D REL404V REL404W	4.9 (133)	115 (60) 208/230 (60) 230 (50) 230 (50)	8.0/15 (P1) 6.0/15 (P4) 6.0/15 (P7) 6.0/15 (P8)	undercounter	single	3	20.0 x 20.5 x 20.0 (508 x 521 x 508)	33.4 x 26.0 x 24.0 (850 x 660 x 610)	220 (100)
Exterior height before caster installation.									
REL1204A REL1204D REL1204V REL1204W	11.5 (326)	115 (60) 208/230 (60) 230 (50) 230 (50)	9.4/15 (P1) 6.0/15 (P4) 6.0/15 (P7) 6.0/15 (P8)	space saver	single	4	52.4 x 21.75 x 20.0 (1331 x 553 x 508)	73.6 x 29.4 x 24.0 (1869 x 748 x 610)	280 (127)
REL2304A REL2304D REL2304V REL2304W	23.3 (659)	115 (60) 208/230 (60) 230 (50) 230 (50)	9.4/15 (P1) 6.0/15 (P4) 6.0/15 (P7) 6.0/15 (P8)	upright	single	4	58.0 x 29.0 x 24.0 (1473 x 737 x 610)	79.2 x 37.2 x 28.0 (2012 x 945 x 711)	370 (168)
REL3004A REL3004D REL3004V REL3004W	29.2 (826)	115 (60) 208/230 (60) 230 (50) 230 (50)	9.4/15 (P1) 6.0/15 (P4) 6.0/15 (P7) 6.0/15 (P8)	upright	single	4	58.0 x 29.0 x 30.0 (1473 x 737 x 762)	79.2 x 37.2 x 34.0 (2012 x 945 x 864)	435 (197)
REL5004A REL5004D REL5004V REL5004W	51.1 (1447)	115 (60) 208/230 (60) 230 (50) 230 (50)	15.0/20 (P2) 8.5/15 (P4) 8.5/15 (P7) 8.5/15 (P8)	upright	double	8	58.0 x 29.0 x 52.5 (1473 x 737 x 1334)	79.2 x 37.2 x 56.5 (2012 x 945 x 1435)	585 (265)
REL7504A REL7504D REL7504V REL7504W	78.8 (2231)	115 (60) 208/230 (60) 230 (50) 230 (50)	16.0/20 (P2) 10.5/15 (P4) 10.5/15 (P7) 10.5/15 (P8)	upright	triple	12	58.0 x 29.0 x 81.0 (1473 x 737 x 2057)	79.2 x 37.2 x 85.0 (2012 x 945 x 2159)	805 (365)

\* Published interior volumes are nominal; useable cu.ft. (L) capacities may be offset by shelves, drawers, blower coils, or cabinet protrusions. For specific cabinet dimensions and allowances, or for verification of clearance tolerances, contact our sales representative. Product performance may be affected by ambient temperature conditions, humidity conditions, sample loading preferences, and frequency of door openings. Contact our sales representative for specific inquiries regarding your application. 4.7 cu. ft. exterior dimensions are without casters.

▶ See pages 22-24 for Options and Accessories

## Chromatography Refrigerators

Our **Revco high-performance chromatography refrigerators** are designed for a variety of applications requiring close temperature control, full access to chromatography instrumentation, and easy set-up of instrumentation and apparatus within the chamber.



- Forced air circulation for uniform temperature and fast door opening recovery
- Heat-free defrost for maximum uniformity
- Two 2" (5cm) access ports with insulated hinged covers
- Duplex interior plug
- Four casters, front two are lockable
- 1" (2.5cm) insulated access port
- Bright, LED interior lighting
- Adjustable, epoxy-coated wire shelves are standard (optional drawers)
- TempTest electronic probe/alarm test
- Keyed on/off switch with setpoint security
- Self-closing door with 90° stop (except REC4504 model)
- Built-in remote alarm contacts
- Optional 4-20 milliamp output

### Thermo Scientific Revco High-Performance Chromatography Refrigerators

Temperature Range: +1°C to +8°C, factory preset to +4°C (auto defrost)

Model No.	Cu.Ft. (L)	Voltage (Hz)	Amps/Breaker (Plug)	Door	Full Adjustable Shelves	Half Adjustable Shelves	Int. Dimensions* H x D x W inches (mm)	Ext. Dimensions* H x D x W inches (mm)	Ship Weight lb (kg)
REC2304A REC2304D REC2304V REC2304W	23.3 (659)	115 (60) 208/230 (60) 230 (50) 230 (50)	9.4/15 (P1) 6.0/15 (P4) 6.0/15 (P7) 6.0/15 (P8)	single, glass	0	2	58.0 x 29.0 x 24.0 (1473 x 737 x 610)	79.2 x 36.4 x 28.0 (2012 x 925 x 711)	425 (193)
REC3004A REC3004D REC3004V REC3004W	29.2 (826)	115 (60) 208/230 (60) 230 (50) 230 (50)	9.4/15 (P1) 6.0/15 (P4) 6.0/15 (P7) 6.0/15 (P8)	single, glass	0	2	58.0 x 29.0 x 30.0 (1473 x 737 x 762)	79.2 x 36.4 x 34.0 (2012 x 925 x 864)	435 (197)
REC4504A REC4504D REC4504V REC4504W	45.8 (1297)	115 (60) 208/230 (60) 230 (50) 230 (50)	15.0/20 (P2) 8.5/15 (P4) 8.5/15 (P7) 8.5/15 (P8)	double, sliding, glass	4	2	58.0 x 26.0 x 52.5 (1473 x 660 x 1330)	79.1 x 34.5 x 56.5 (2010 x 838 x 1435)	670 (304)
REC5004A REC5004D REC5004V REC5004W	51.1 (1447)	115 (60) 208/230 (60) 230 (50) 230 (W)	15.0/20 (P2) 8.5/15 (P4) 8.5/15 (P7) 8.5/15 (P8)	double, glass	4	2	58.0 x 29.0 x 52.5 (1473 x 737 x 1334)	79.2 x 36.4 x 56.5 (2012 x 925 x 1435)	580 (263)
REC7504A REC7504D REC7504V REC7504W	78.8 (2231)	115 (60) 208/230 (60) 230 (50) 230 (W)	16.0/20 (P2) 10.5/15 (P4) 10.5/15 (P7) 10.5/15 (P8)	triple, glass	8	2	58.0 x 29.0 x 81.0 (1473 x 737 x 2057)	79.2 x 36.4 x 85.0 (2012 x 925 x 2159)	965 (438)

\* Published interior volumes are nominal; useable cu.ft. (L) capacities may be offset by shelves, drawers, blower coils, or cabinet protrusions. For specific cabinet dimensions and allowances, or for verification of clearance tolerances, contact our sales representative. Product performance may be affected by ambient temperature conditions, humidity conditions, sample loading preferences, and frequency of door openings. Contact our sales representative for specific inquiries regarding your application.



Optional inkless, seven day, graphic, chart recorder

**Control Panel:**  
Keyed on/off switch with set point security

Microprocessor control system with audio and visual alarms

Bright, digital temperature display

Bright, LED interior lighting illuminates the entire cabinet



Epoxy-coated, wire open shelves, adjustable in 1 in. increments for flexibility, available in both full and half shelf

**Doors:**  
Robust, spring-loaded, self closing doors with 90° stay-open feature (sliding glass on 45 cu. ft. model)

Safety glass, double-pane doors

Lockable doors for added sample security



Cabinets shown: 78.8 cu. ft. triple-door (REC7504) and 45.8 cu. ft. sliding door (REC4504) chromatography refrigerators





## Blood Bank Refrigerators

Our **Revco high-performance blood bank refrigerators** are designed to meet strict requirements established by the AABB and FDA for storage of whole blood and blood components.

The complete selection of +4°C refrigerators feature simplified push-button alarm test functions and reliable, field-proven refrigeration systems.

- Forced air circulation for uniform temperature and fast door opening recovery
- Heat-free defrost for maximum uniformity
- Standard, stainless steel interior
- Built-in chart recorder (freestanding on 4.9 cu. ft. undercounter model)
- Second cabinet temperature probe
- Four casters, front two are lockable
- 1" (2.5cm) insulated access port
- Bright, LED interior lighting
- Stainless steel, full extendable and adjustable drawers (optional shelves)
- TempTest electronic probe/alarm test
- Keyed on/off switch with setpoint security
- Self-closing door with 90° stop
- Built-in remote alarm contacts
- Optional 4-20 milliamp output

### Thermo Scientific Revco High-Performance Blood Bank Refrigerators

Temperature Range: +1°C to +8°C, factory preset to +4°C (auto defrost)

Model No.	Cu.Ft./L (Blood Bag Capacity)**	Voltage (Hz)	Amps/ Breaker (Plug)	Cabinet	Door	Drawers	Int. Dimensions* H x D x W inches (mm)	Ext. Dimensions* H x D x W inches (mm)	Ship Weight lb (kg)
REB404A REB404D REB404V REB404W	4.9/133 (64)	115 (60) 208/230 (60) 230 (50) 230 (50)	8.0/15 (P1) 6.0/15 (P4) 6.0/15 (P7) 6.0/15 (P8)	undercounter	single, solid	2	20.0 x 20.5 x 20.0 (508 x 520 x 508)	33.4 x 26.0 x 24.0 (850 x 660 x 610)	220 (100)
							Exterior height before caster installation.		
REB1204A REB1204D REB1204V REB1204W	11.5/326 (192)	115 (60) 208/230 (60) 230 (50) 230 (50)	9.4/15 (P1) 6.0/15 (P4) 6.0/15 (P7) 6.0/15 (P8)	space saver	single, glass	6	52.4 x 21.75 x 20.0 (1331 x 552 x 508)	73.6 x 29.4 x 24.0 (1869 x 762 x 610)	320 (145)
REB2304A REB2304D REB2304V REB2304W	23.3/659 (385)	115 (60) 208/230 (60) 230 (50) 230 (50)	9.4/15 (P1) 6.0/15 (P4) 6.0/15 (P7) 6.0/15 (P8)	upright	single, glass	7	58.0 x 29.0 x 24.0 (1473 x 737 x 610)	79.2 x 36.4 x 28.0 (2012 x 925 x 711)	470 (213)
REB3004A REB3004D REB3004V REB3004W	29.2/826 (426)	115 (60) 208/230 (60) 230 (50) 230 (50)	9.4/15 (P1) 6.0/15 (P4) 6.0/15 (P7) 6.0/15 (P8)	upright	single, glass	6	58.0 x 29.0 x 30.0 (1473 x 737 x 762)	79.2 x 36.4 x 34.0 (2012 x 925 x 864)	505 (229)
REB5004A REB5004D REB5004V REB5004W	51.1/1447 (770)	115 (60) 208/230 (60) 230 (50) 230 (50)	15.0/20 (P2) 8.5/15 (P4) 8.5/15 (P7) 8.5/15 (P8)	upright	double, glass	14	58.0 x 29.0 x 52.5 (1473 x 737 x 1334)	79.2 x 36.4 x 56.5 (2012 x 925 x 1435)	640 (290)

\* Published interior volumes are nominal; useable cu. ft. (L) capacities may be offset by shelves, drawers, blower coils, or cabinet protrusions. For specific cabinet dimensions and allowances, or for verification of clearance tolerances, contact our sales representative. Product performance may be affected by ambient temperature conditions, humidity conditions, sample loading preferences, and frequency of door openings. Contact our sales representative for specific inquiries regarding your application. 4.9 cu. ft. exterior dimensions are without casters.

\*\* Nominal capacity based on 450 mL whole blood bags.



# Blood Bank Refrigerators



Standard, built-in, inkless, seven day, graphic, chart recorder (freestanding on undercounter model)

**Control Panel:**  
Keyed on/off switch with set point security

Microprocessor control system with audio and visual alarms

Bright, digital temperature display

Bright, LED interior lighting illuminates the entire cabinet

**Doors:**  
Spring-loaded, self closing doors with 90° stay-open feature

Lockable doors for added sample security

Safety glass, double-pane doors

Full extension, adjustable stainless steel drawers



Cabinets shown: 51.1 cu. ft. double door (REB5004) and 11.5 cu. ft. single door (REB1204) blood bank refrigerators

► See pages 22-24 for Options and Accessories



## Pharmacy Refrigerators

Available in four sizes, our Revco high-performance pharmacy refrigerators deliver stable temperature control over a range of +1°C to +8°C. They can be configured easily for accurate storage and retrieval of pharmacy products, and feature full extension stainless steel roll-out drawers.

- Forced air circulation for uniform temperature and fast door opening recovery
- Heat-free defrost for maximum uniformity
- Four casters, front two are lockable
- 1" (2.5cm) insulated access port
- Bright, LED interior lighting
- Stainless steel, full extendable and adjustable drawers
- TempTest electronic probe/alarm test
- Keyed on/off switch with setpoint security
- Self-closing door with 90° stop
- Built-in remote alarm contacts
- Optional 4-20 milliamp output
- Optional shelves

### Thermo Scientific Revco High-Performance Pharmacy Refrigerators

Temperature Range: +1°C to +8°C, factory preset to +4°C (auto defrost)

Model No.	Cu.Ft. (L)	Voltage (Hz)	Amps/ Breaker (Plug)	Cabinet	Door	Drawers	Int. Dimensions* H x D x W inches (mm)	Ext. Dimensions* H x D x W inches (mm)	Ship Weight lb (kg)
RPR1204A RPR1204D RPR1204V RPR1204W	11.5 (326)	115 (60) 208/230 (60) 230 (50) 230 (50)	9.4/15 (P1) 6.0/15 (P4) 6.0/15 (P7) 6.0/15 (P8)	upright	single, glass	5	52.4 x 21.8 x 20.0 (1320 x 552 x 500)	73.6 x 29.4 x 24.0 (1869 x 762 x 610)	320 (145)
RPR2304A RPR2304D RPR2304V RPR2304W	23.3 (659)	115 (60) 208/230 (60) 230 (50) 230 (50)	9.4/15 (P1) 6.0/15 (P4) 6.0/15 (P7) 6.0/15 (P8)	upright	single, glass	6	58.0 x 29.0 x 24.0 (1473 x 737 x 610)	79.2 x 36.4 x 28.0 (2012 x 925 x 711)	470 (213)
RPR3004A RPR3004D RPR3004V RPR3004W	29.2 (826)	115 (60) 208/230 (60) 230 (50) 230 (50)	9.4/15 (P1) 6.0/15 (P4) 6.0/15 (P7) 6.0/15 (P8)	upright	single, glass	6	58.0 x 29.0 x 30.0 (1473 x 737 x 762)	79.2 x 36.4 x 34.0 (2012 x 925 x 864)	505 (227)
RPR5004A RPR5004D RPR5004V RPR5004W	51.1 (1447)	115 (60) 208/230 (60) 230 (50) 230 (50)	15.0/20 (P2) 8.5/15 (P4) 8.5/15 (P7) 8.5/15 (P8)	upright	double, glass	12	58.0 x 29.0 x 52.5 (1473 x 737 x 1334)	79.2 x 36.4 x 56.5 (2012 x 925 x 1435)	640 (290)

\* Published interior volumes are nominal; useable cu.ft. (L) capacities may be offset by shelves, drawers, blower coils, or cabinet protrusions. For specific cabinet dimensions and allowances, or for verification of clearance tolerances, contact our sales representative. Product performance may be affected by ambient temperature conditions, humidity conditions, sample loading preferences, and frequency of door openings. Contact our sales representative for specific inquiries regarding your application.



Optional, inkless, seven day, graphic, chart recorder

**Control Panel:**

Keyed on/off switch with set point security

Microprocessor control system with audio and visual alarms

Bright, digital temperature display

**Doors:**

Spring-loaded, self closing doors with 90° stay-open feature

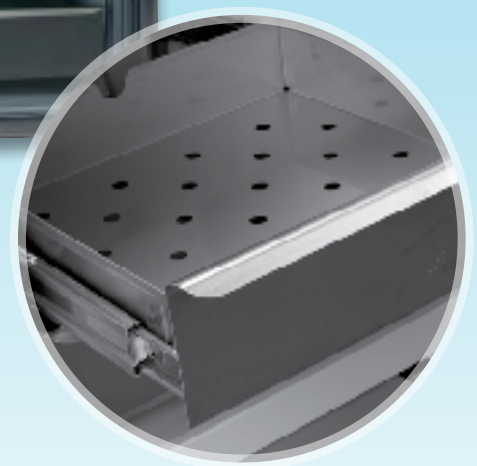
Lockable doors for added sample security

Safety glass, double-panel doors

Cabinets shown: and 11.5 cu. ft. single door (RPR1204) and 51.1 cu. ft. double door (RPR5004) pharmacy refrigerators

Bright, LED interior lighting illuminates the entire cabinet

Adjustable, full extension, stainless steel drawers



# Automatic and Manual Defrost Laboratory Freezers

Our **Revco high-performance, laboratory freezers** are designed for medical and scientific applications requiring storage of reagents, pharmaceuticals, biologicals, and other commonly used laboratory materials such as primers, siRNA molecules and FBS. A range of models offers cabinet sizes to fit your specific space needs and storage volume requirements, from undercounter units to full size models. Available in both automatic and manual defrost options (manual defrost only available on 23.3 cu. ft./659L and 29.2 cu. ft. (826L).)

### Automatic Defrost Models:

- Forced air circulation for uniform temperature and fast door opening recovery
- Non-invasive defrost with time and temperature guided cycle

### Manual Defrost Models:

- Cold wall convection cooling for temperature uniformity
- Manual defrost for optimum control

### All Models:

- Four casters, front two are lockable
- 1" (2.5cm) insulated access port
- Adjustable, epoxy-coated wire shelves are standard (optional drawers)
- TempTest electronic probe/alarm test
- Keyed on/off switch with setpoint security
- Self-closing door with 90° stop
- Built-in remote alarm contacts
- Optional 4-20 milliamp output

## Thermo Scientific Revco High-Performance Freezers with Automatic Defrost

Temperature Range: -30°C (auto defrost)

Model No.	Cu.Ft. (L)	Voltage (Hz)	Amps/Breaker (Plug)	Cabinet	Door	Adjustable Shelves	Int. Dimensions* H x D x W inches (mm)	Ext. Dimensions* H x D x W inches (mm)	Ship Weight lb (kg)
ULT430A ULT430D ULT430V ULT430W	4.9 (133)	115 (60) 208/230 (60) 230 (50) 230 (50)	8.0/15 (P1) 6.0/15 (P4) 6.0/15 (P7) 6.0/15 (P8)	undercounter	single	3	20.0 x 20.5 x 20.0 (508 x 521 x 508)	33.4 x 26.0 x 24.0 (850 x 660 x 610)	220 (100)
ULT1230A ULT1230V ULT1230W	11.5	115 (60) 230 (50) 230 (50)	8.0/15 (P1) 8.0/15 (P7) 8.0/15 (P8)	space saver	single	4	52.4 x 21.0 x 20.0 (1331 x 553 x 508)	73.6 x 30.0 x 24.0 (1869 x 748 x 610)	280 (127)
ULT2330A ULT2330D ULT2330V ULT2330W	23.3 (659)	115 (60) 208/230 (60) 230 (50) 230 (50)	16.0/20 (P1) 12.0/15 (P4) 12.0/15 (P7) 12.0/15 (P8)	upright	single	4	58.0 x 29.0 x 24.0 (1473 x 737 x 610)	79.2 x 37.2 x 28.0 (2012 x 945 x 711)	425 (193)
ULT3030A ULT3030D ULT3030V ULT3030W	29.2 (826)	115 (60) 208/230 (60) 230 (50) 230 (50)	16.0/20 (P1) 12.0/15 (P4) 12.0/15 (P7) 12.0/15 (P8)	upright	single	4	58.0 x 29.0 x 30.0 (1473 x 737 x 762)	79.2 x 37.2 x 34.0 (2012 x 945 x 864)	445 (197)
ULT5030A ULT5030D ULT5030V ULT5030W	51.1 (1447)	115 (60) 208/230 (60) 230 (50) 230 (50)	16.0/20 (P2) 12.0/15 (P4) 12.0/15 (P7) 12.0/15 (P8)	upright	double	8	58.0 x 29.0 x 52.5 (1473 x 737 x 1334)	79.2 x 37.2 x 56.5 (2012 x 945 x 1435)	600 (272)

\* Published interior volumes are nominal; useable cu.ft. (L) capacities may be offset by shelves, drawers, blower coils, or cabinet protrusions. For specific cabinet dimensions and allowances, or for verification of clearance tolerances, contact our sales representative. Product performance may be affected by ambient temperature conditions, humidity conditions, sample loading preferences, and frequency of door openings. Contact our sales representative for specific inquiries regarding your application. 4.7 cu. ft. exterior dimensions are without casters.

▶ See pages 22-25 for Options and Accessories





Optional, inlaid, seven day, graphic, chart recorder

**Control Panel:**

Keyed on/off switch with set point security

Microprocessor control system with audio and visual alarms

Bright, digital temperature display

**Doors:**

Spring-loaded, self closing doors with 90° stay-open feature

Lockable doors for added sample security

Cabinets shown: 23.3 cu. ft. single door (ULT2304) lab freezer and 51.1 cu. ft. double door (ULT5030) lab freezer

## Thermo Scientific Revco High-Performance Freezers with Manual Defrost

Temperature Range: -20°C (manual defrost)

Model No.	Cu.Ft. (L)	Voltage (Hz)	Amps/Breaker (Plug)	Cabinet	Door	Adjustable Shelves	Int. Dimensions* H x D x W inches (mm)	Ext. Dimensions* H x D x W inches (mm)	Ship Weight lb (kg)
UGL2320A	23.3	115 (60)	13.5/20 (P2)	upright	single, solid	4	58.0 x 29.0 x 24.0 (1473 x 737 x 610)	79.2 x 37.2 x 28.0 (2012 x 945 x 711)	425 (193)
UGL2320D	(659)	208/230 (60)	5.6/15 (P4)						
UGL2320V		230 (50)	5.6/15 (P7)						
UGL2320W		230 (50)	5.6/15 (P8)						

## Thermo Scientific Revco High-Performance Enzyme Freezers with Manual Defrost

Temperature Range: -20°C (manual defrost)

Model No.	Cu.Ft. (L)	Voltage (Hz)	Amps/Breaker (Plug)	Cabinet	Door	Shelves	Int. Dimensions* H x D x W inches (mm)	Ext. Dimensions* H x D x W inches (mm)	Ship Weight lb (kg)
UEN2320A	23.3	115 (60)	13.5/20 (P1)	upright	single,	9	58.0 x 29.0 x 24.0 (1473 x 737 x 610)	79.2 x 37.2 x 28.0 (2012 x 945 x 711)	425 (193)
UEN2320D	(659)	208/230 (60)	5.6/15 (P4)						
UEN2320V		230 (50)	5.6/15 (P7)						
UEN2320W		230 (50)	5.6/15 (P8)						

\* Published interior volumes are nominal; useable cu. ft. (L) capacities may be offset by shelves, drawers, blower coils, or cabinet protrusions. For specific cabinet dimensions and allowances, or for verification of clearance tolerances, contact our sales representative. Product performance may be affected by ambient temperature conditions, humidity conditions, sample loading preferences, and frequency of door openings. Contact our sales representative for specific inquiries regarding your application.



## Plasma Freezers

Our **pre-set Revco high-performance -30°C plasma freezers** are designed to meet AABB and FDA standards for safety and performance in plasma storage. Sample security and protection are especially critical when storing plasma.

Our units feature setpoint security with master switch control, plus a clearly visible temperature display and audio/visual alarm systems to assure proper operating conditions.

Five different models are available to meet your particular storage volume and lab space requirements.

- Forced air circulation for uniform temperature and fast door opening recovery
- Smart defrost with temperature guided cycle
- Standard, stainless steel interior
- Built-in chart recorder (4.9 cu. ft. model freestanding)
- Four casters, front two are lockable
- 1" (2.5cm) insulated access port
- TempTest electronic probe/alarm test
- Keyed on/off switch with setpoint security
- Self-closing door with 90° stop
- Built-in remote alarm contacts
- Optional 4-20 milliamp output

### Thermo Scientific Revco High-Performance Plasma Freezers

Temperature Range: -30°C (auto defrost)

Model No.	Cu.Ft./L (Plasma Box Capacity)**	Voltage (Hz)	Amps/ Breaker (Plug)	Cabinet	Door	Drawers	Int. Dimensions* H x D x W inches (mm)	Ext. Dimensions* H x D x W inches (mm)	Ship Weight lb (kg)
UFP430A	4.9/133	115 (60)	8.0/15 (P1)	undercounter	single	2	20.0 x 20.5 x 20.0 (508 x 521 x 508)	33.4 x 26.0 x 24.0 (850 x 660 x 610)	220 (100)
UFP430D	(78)	208/230 (60)	6.0/15 (P4)						
UFP430V		230 (50)	6.0/15 (P7)						
UFP430W		230 (50)	6.0/15 (P8)						
Exterior height before caster installation									
UFP1230A	11.5/326	115 (60)	8.0/15 (P1)	space saver	single	7	52.4 x 21.0 x 20.0 (1331 x 533 x 508)	73.6 x 30.0 x 24.0 (1869 x 762 x 610)	365 (166)
UFP1230V	(273)	230 (50)	8.0/15 (P7)						
UFP1230W		230 (50)	8.0/15 (P8)						
UFP2330A	23.3/659	115 (60)	16.0/20 (P2)	upright	single	7	58.0 x 29.0 x 24.0 (1473 x 737 x 610)	79.2 x 37.2 x 28.0 (2012 x 945 x 711)	425 (193)
UFP2330D	(532)	208/230 (60)	12.0/15 (P4)						
UFP2330V		230 (50)	12.0/15 (P7)						
UFP2330W		230 (50)	12.0/15 (P8)						
UFP3030A	29.2/826	115 (60)	16.0/20 (P2)	upright	single	6	58.0 x 29.0 x 30.0 (1473 x 737 x 762)	79.2 x 37.2 x 34.0 (2012 x 945 x 864)	580 (263)
UFP3030D	(665)	208/230 (60)	12.0/15 (P4)						
UFP3030V		230 (50)	12.0/15 (P7)						
UFP3030W		230 (50)	12.0/15 (P8)						
UFP5030A	51.1/1447	115 (60)	16.0/20 (P2)	upright	double	14	58.0 x 29.0 x 52.5 (1473 x 737 x 1334)	79.2 x 37.2 x 56.5 (2012 x 945 x 1435)	600 (272)
UFP5030D	(1064)	208/230 (60)	12.0/15 (P4)						
UFP5030V		230 (50)	12.0/15 (P7)						
UFP5030W		230 (50)	12.0/15 (P8)						

\* Published interior volumes are nominal; useable cu. ft. (L) capacities may be offset by shelves, drawers, blower coils, or cabinet protrusions. For specific cabinet dimensions and allowances, or for verification of clearance tolerances, contact our sales representative. Product performance may be affected by ambient temperature conditions, humidity conditions, sample loading preferences, and frequency of door openings. Contact our sales representative for specific inquiries regarding your application. 4.7 cu. ft. exterior dimensions are without casters.

\*\* Nominal capacity based on 250 mL plasma boxes.



Standard, built-in inkless, seven day, graphic, chart recorder (free-standing on undercounter model)

**Control Panel:**  
Keyed on/off switch with set point security

Microprocessor control system with audio and visual alarms

Bright, digital temperature display

**Doors:**  
Spring-loaded, self closing doors with 90° stay-open feature

Lockable doors for added sample security



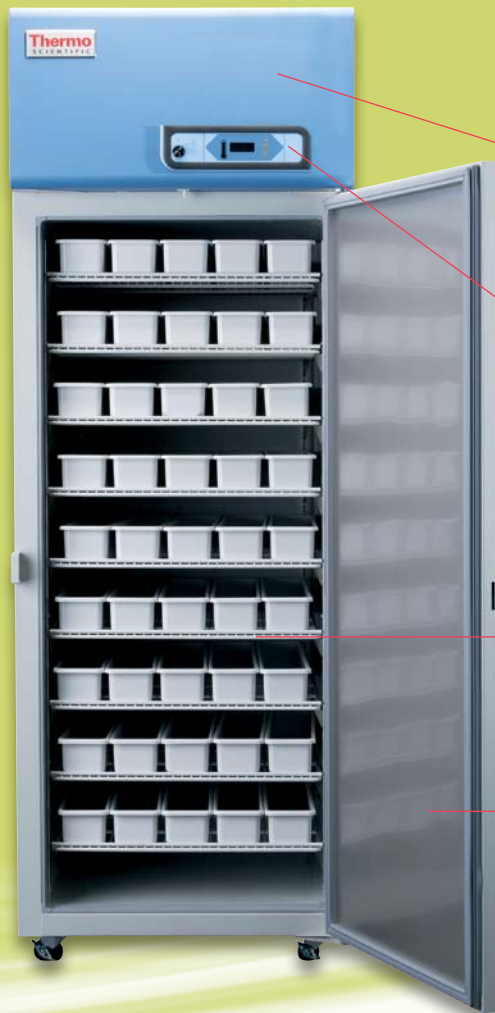
Adjustable, full extension, stainless steel drawers

Cabinets shown: 51.1 cu. ft. double door (UFP5030), undercounter (UFP430) and 23.3 cu. ft. single door (UFP2330) plasma freezers

# Manual Defrost Enzyme Freezers

Our manual defrost **Revco high-performance, -20°C upright freezers** are designed for storage applications in which even slight intermittent coil warming during auto defrost cycles cannot be tolerated. Models feature gravity convection air systems for maximum temperature stability without blowers or fans.

- Cold wall convection cooling for temperature uniformity
- Manual defrost for optimum control
- Four casters, front two are lockable
- 1" (2.5cm) insulated access port
- Adjustable, epoxy-coated wire shelves are standard (optional drawers)
- TempTest electronic probe/alarm test
- Keyed on/off switch with setpoint security
- Self-closing door with 90° stop
- Built-in remote alarm contacts
- Optional 4-20 milliamp output



Optional, inkkless, seven day, graphic, chart recorder

**Control Panel:**  
Keyed on/off switch with set point security

Microprocessor control system with audio and visual alarms

Bright, digital temperature display

Easily accessible inventory system

**Doors:**  
Spring-loaded, self closing doors with 90° stay-open feature

Lockable doors for added sample security

Smooth, ergonomic handle

▶ See pages 22-24 for Options and Accessories

## Thermo Scientific Revco High-Performance Enzyme Freezers with Manual Defrost

Temperature Range: -20°C (manual defrost)

Model No.	Cu.Ft. (L)	Voltage (Hz)	Amps/Breaker (Plug)	Cabinet	Door	Shelves	Int. Dimensions* H x D x W inches (mm)	Ext. Dimensions* H x D x W inches (mm)	Ship Weight lb (kg)
UEN2320A	23.3	115 (60)	13.5/20 (P1)	upright	single	9	58.0 x 29.0 x 24.0	79.2 x 37.2 x 28.0	425 (193)
UEN2320D	(659)	208/230 (60)	5.6/15 (P4)				(1473 x 737 x 610)	(2012 x 945 x 711)	
UEN2320V		230 (50)	5.6/15 (P7)						
UEN2320W		230 (50)	5.6/15 (P8)						

\* Published interior volumes are nominal; useable cu.ft. (L) capacities may be offset by shelves, drawers, blower coils, or cabinet protrusions. For specific cabinet dimensions and allowances, or for verification of clearance tolerances, contact our sales representative. Product performance may be affected by ambient temperature conditions, humidity conditions, sample loading preferences, and frequency of door openings. Contact our sales representative for specific inquiries regarding your application.



# Services

## Electrical Information

Thermo Scientific Revco high-performance refrigerators and freezers are designed to meet UL, CUL, and CE criteria for safety and performance. All connections must comply with local electrical codes.

- Selection charts for each standard model list voltage, rated amperage, recommended circuit breaker size, and NEMA (National Electrical Manufacturers' Association, USA) electrical plug information
- Most refrigerators and freezers are supplied with line cord plugs, which require corresponding receptacles illustrated on the line cord plug reference chart to the right
- Site preparation requires availability of the proper receptacle; a dedicated circuit is required
- Special voltage selections may be available at extra cost and must be specified when ordering
- For questions regarding site preparation, installation and electrical connection, contact your sales representative

## Certification of Calibration














Control, alarm and temperature recording systems are systematically calibrated at the factory for accurate performance. An optional Certificate of Calibration to an NIST (National Institute of Standards and Technology, formerly National Bureau of Standards) traceable instrument includes a Model Number and Serial Number Certificate (single point calibration). Multiple point calibration is also available. Calibration certificates must be requested when ordering; for details contact your sales representative.

## Validation Testing Program

Validation testing services in advance of shipment can accelerate in-house FDA Installation Qualification (IQ) and Operation Qualification (OQ) programs. Validation services include documentation and performance reports, compressor and subsystem component specifications, microprocessor flow diagrams, software specifications and more. For more details, contact your sales representative.

## Standard Plug Option Configurations

Choose one of our specialty plugs to configure your freezer to meet local requirements

Model No.	Plug Description	Male End
<b>Standard Plugs</b>		
US125V20A	NEMA 5-20	
US230V15A	NEMA 6-15	
EU230V16A	Continental EU	
<b>Specialty Plugs</b>		
IT230V16A	Italy	
UK230V13A	Great Britain	
IN230V16A	India	
IS230V16A	Israel	
AU230V16A	Australia	
CH230V16A	China	
DK230V16A	Denmark	
AR230V16A	Argentina	
SW230V16A	Switzerland	
BR230V16A	Brazil	

*Refrigerators and freezers supplied with line cord plugs (P) require corresponding receptacles illustrated in the Line Cord Plug Reference. Catalog selection charts list each standard model with voltage, rated amperage, recommended circuit breaker size and NEMA electrical plug information.*

## Ordering Information

Your sales representative will assist you with choosing the correct refrigerator or freezer for your application.

- Each model number is voltage specific. For clarity, please include the voltage of your selected refrigerator or freezer when ordering
- When ordering your refrigerator or freezer, please consider current or future accessory requirements such as temperature recorders, extra shelves and alarm/monitoring systems
- Many accessories on the following pages are factory installed and must be specified when ordering

## Options & Accessories

Productive use of your refrigerator or freezer can be enhanced with options and accessories specifically designed to improve utility and convenience. Many accessories are factory installed and must be specified with your original order. Field installed accessories may require the services of a factory authorized technician.

**Note that some options and accessories may affect refrigerator or freezer performance; for more information contact your sales representative.**



**Shelves**

### **Voltages and Serial Numbers**

Serial number tags on all of our Revco units provide model numbers and voltage information needed for accurate selection of accessories ordered for field installation.

It is recommended that accessories be ordered when your refrigerator or freezer is ordered. Factory-installed accessories allow proper set-up without power-down or emptying the cabinet.

### **Glass Doors**

Solid doors are standard on most refrigerators unless otherwise specified. Dual-pane glass doors are optional and must be specified when ordering. Contact your sales representative for information on heated glass doors.

### **Shelves**

Additional epoxy-coated, open-wire shelves are designed to fit individual cabinets; shelves are available in full- and half-sizes. Undercounter models use full-size only.

### **Rollout Drawers**

Optional stainless steel drawers, offered as an alternative to standard open wire shelving are adjustable with full extension. Drawers are factory installed and must be specified when ordering cabinet.





**Rollout Doors**



**Enzyme Storage Bins**



**Alarm Delay Module**

### Temperature Chart Recorders

Optional 6" (152 mm) chart, 7-day temperature recorders use pressure sensitive chart paper; one box of 50 charts included. Built-in recorders must be specified when ordering. Recorders are standard on all blood bank refrigerators and plasma freezers.

### Enzyme Storage Bin

Bins are supplied standard on Model UEN-2320 Enzyme Freezer. Additional bins are useful for storage and inventory management. Formed of high impact ABS plastic, off-white. Labels not included.

### Digital Temperature Monitor

Simple, accurate and cost-effective, the digital temperature and power monitor provides both alarm/monitoring and digital temperature display in a single, self-contained unit. Standard features include high alarm, alarm mute and chirp, audio delay timer, remote alarm contacts (SPDT), NiCad battery backup, and low voltage AC power supply, 120V, AC.

- The monitor can be installed on or adjacent to any refrigerator or freezer
- Activates an audible and visual warning in case of power failure or overtemperature condition
- Choose from single probe digital models or multiple probe, microprocessor-based models
- Temperature range is -100°C to +25°C
- Probe size 1.25" L x 0.25" diameter (32 mm x 6 mm)

### Alarm Delay Module

The alarm delay eliminates nuisance alarms due to intermittent or transitory conditions such as lightning or brief power outages. The adjustable delay requires an alarm condition to exist continuously for a pre-determined time (adjustable) before a signal is released to a central alarm/monitoring system or telephone dialer.

- Adjustable delay from 0.5 to 32 minutes
- Red alarm indicator light remains flashing after transient condition is corrected; requires manual reset
- Signals chronic alarm conditions which may indicate impending component failure; allows time for inspection or corrective maintenance
- Inserts variable time interval between detection of alarm condition and transmission of signal
- Includes accurate digital timing circuit adjustable from 0.5, 1, 2, 4, 8, 18, or 32 minutes
- Operates independent of line power; built-in battery and alarm test function uses customer supplied 9V battery

### -20°C Laptop Cooler

- Holds 20 CryoTubes™ (1.0 and 1.8 mL)
- Inserts are included to accommodate 0.2 to 0.5 mL microcentrifuge tubes
- Protects enzymes, cells, reagents and solutions by maintaining freezer temperatures while on the laboratory bench (T° < 20°C maintained up to 1 hour)
- Maintains freezer temperature during the frost free cycle, power failure and accidental door opening
- Printed grid on one way keyed lid for proper orientation and sample identification
- Molded of impact resistant polycarbonate; stackable, with locking handle

## Options & Accessories Ordering Guide

### Laboratory Refrigerators

		4.9 cu. ft. (133 L)	11.5 cu. ft. (326 L)	23.3 cu. ft. (659 L)	29.2 cu. ft. (826 L)	45.8 cu. ft. (1297 L)	51.1 cu. ft. (1447 L)	78.8 cu. ft. (2231 L)
	MODEL NO.	MODEL NO.	MODEL NO.	MODEL NO.	MODEL NO.	MODEL NO.	MODEL NO.	MODEL NO.
<b>Shelves</b>								
Epoxy-coated, full size		7125	7125	6696	6695	6696	6696	6696
Epoxy-coated, half size		n/a	n/a	6698	6697	6698	6698	6698
<b>Door Options and Accessories</b>								
LH swing, solid		7119	6995	6997	6999	n/a	n/a	n/a
LH swing, glass		n/a	6996	6998	7000	n/a	n/a	n/a
LH swing, heated glass		n/a	7073	7075	7087	n/a	n/a	n/a
RH swing, glass		7118	7066	7012	7013	n/a	n/a	n/a
RH swing, heated glass		n/a	7074	7086	7088	n/a	n/a	n/a
LH/LH swing, solid		n/a	n/a	n/a	n/a	n/a	7001	n/a
LH/LH swing, glass		n/a	n/a	n/a	n/a	n/a	7067	n/a
LH/LH swing, heated glass		n/a	n/a	n/a	n/a	n/a	7089	n/a
RH/RH swing, solid		n/a	n/a	n/a	n/a	n/a	7068	n/a
RH/RH swing, glass		n/a	n/a	n/a	n/a	n/a	7069	n/a
RH/RH swing, heated glass		n/a	n/a	n/a	n/a	n/a	7090	n/a
LH/RH swing, glass		n/a	n/a	n/a	n/a	n/a	7014	n/a
LH/RH swing, heated glass		n/a	n/a	n/a	n/a	n/a	7091	n/a
<b>Roll-Out Drawers</b>								
Complete Set	Cat. No. (qty)	7134 (2)	7445 (5)	6699 (6)	6704 (6)	n/a	6700 (12)	6701 (18)
(Single Drawers)		n/a	n/a	6702	6725	n/a	6702	6702
<b>Drawers Dividers</b>								
For blood bank refrigerators	Cat. No. (qty)	7027 (4)	7027 (4)	6206 (4)	6963 (5)	n/a	6206 (4)	6206 (4)
<b>Casters (2" casters standard)</b>								
3" casters (76 mm), set of 4*		6041-1	6041-1	6041-1	6041-1	6694	6041-1	6041-1
<b>Finishes (adds 1" or 25 mm to unit height)</b>								
Stainless steel interior (Not available on -20°C units)		7116	6199	6115	6709	6711	6116	6117
<b>Temperature Chart Recorders</b>								
(Standard on blood bank units)								
Built-in, factory installed		n/a	6183-7	6183-7	6183-7	6183-7	6183-7	6183-7
Free-standing, customer installed		6383-7	6383-7	6383-7	6383-7	6383-7	6383-7	6383-7
Replacement chart paper, -40 to +25 box of 50		6184	6184	6184	6184	6184	6184	6184
<b>Surge Suppressor</b>								
Specify voltage with order		6402	6402	6402	6402	6402	6402	6402
<b>Deluxe Electronic Remote Alarm</b>								
Requires dedicated phone line		6224	6224	6224	6224	6224	6224	6224
<b>Remote Alarm Module</b>								
Specify voltage with order		5612-A	5612-A	5612-A	5612-A	5612-A	5612-A	5612-A
<b>Alarm Delay Module</b>								
Specify voltage with order		6903	6903	6903	6903	6903	6903	6903
<b>Digital Temperature Monitor</b>								
Specify voltage with order		6898	6898	6898	6898	6898	6898	6898
<b>4-20 Milliamp Transmitter (Factory Installed)</b>								
For refrigerator		6907	6907	6907	6907	6907	6907	6907
<b>+5°C Setpoint</b>								
		7580TA	7580TA	7580TA	7580TA	n/a	7580TA	n/a
<b>Seismic Restraint Kits</b>								
Seismic restraint kit (basic)		N/A	TFR210	TFR210	TFR210	TFR210	TFR210	TFR210
Seismic restraint kit for OSHPD		N/A	TF-LRF12	TF-LRF23	TF-LRF30	TF-LRF45	TF-LRF50	7TF-LRF75

2" casters are pre-installed on all units, except 4.9 cu. ft. where casters are shipped uninstalled.



# Options & Accessories Ordering Guide

## Laboratory Freezers

		4.9 cu. ft. (133 L)	11.5 cu. ft. (326 L)	23.3 cu. ft. (659 L)	29.2 cu. ft. (826 L)	51.1 cu. ft. (1447 L)	78.8 cu. ft. (2231 L)
	CAT. NO.	CAT. NO.	CAT. NO.	CAT. NO.	CAT. NO.	CAT. NO.	CAT. NO.
<b>Shelves</b>							
Epoxy-coated, full size	7125	7125	6696	6695	6696	6696	6696
Epoxy-coated, half size	n/a	n/a	6698	6697	6698	6698	6698
<b>Door Options and Accessories</b>							
LH swing, solid	7119	6995	6997	6999	n/a	n/a	n/a
LH/LH swing, solid	n/a	n/a	n/a	n/a	7001	n/a	n/a
RH/RH swing, solid	n/a	n/a	n/a	n/a	7068	n/a	n/a
<b>Roll-Out Drawers</b>							
Freezer Complete Set	Cat. No. (qty)	7134 (2)	7446 (7)	6699 (6)	6704 (6)	6700 (12)	6701 (18)
(Single Drawers)		n/a	n/a	6702	6725	6702	6702
<b>Drawers Dividers</b>							
For plasma freezers	Cat. No. (qty)	7027 (4)	7027 (4)	6206 (4)	6963 (5)	6206 (4)	6206 (4)
<b>Casters (2" casters standard)</b>							
3" casters (76 mm), set of 4*	6041-1	6041-1	6041-1	6041-1	6041-1	6041-1	6041-1
<b>Finishes (adds 1" or 25 mm to unit height)</b>							
Stainless steel interior (Not available on -20°C units)	7116	6199	6115	6709	6116	6116	6117
<b>Temperature Chart Recorders</b>							
(Standard on plasma units)							
Built-in, factory installed	n/a	6183-7	6183-7	6183-7	6183-7	6183-7	6183-7
Free-standing, customer installed	6383-7	6383-7	6383-7	6383-7	6383-7	6383-7	6383-7
Replacement chart paper, -40° to +25° box of 50	6184	6184	6184	6184	6184	6184	6184
<b>Surge Suppressor</b>							
Specify voltage with order	6402	6402	6402	6402	6402	6402	6402
<b>Thermo Scientific Lab Cooler Modules</b>							
Lab Cooler II (holds 24 1.5 mL tubes and 8 0.5 mL tubes)	6744	6744	6744	6744	6744	6744	6744
LabCooler Lite (holds 7 1.5 mL tubes)	6745	6745	6745	6745	6745	6745	6745
<b>Deluxe Electronic Remote Alarm</b>							
Requires dedicated phone line	6224	6224	6224	6224	6224	6224	6224
<b>Remote Alarm Module</b>							
Specify voltage with order	5612-A	5612-A	5612-A	5612-A	5612-A	5612-A	5612-A
<b>Alarm Delay Module</b>							
Specify voltage with order	6903	6903	6903	6903	6903	6903	6903
<b>Digital Temperature Monitor</b>							
Specify voltage with order	6899	6899	6899	6899	6899	6899	6899
<b>Enzyme Storage Bin</b>							
Labels not included	n/a	n/a	6736	n/a	6736	6736	6736
<b>4-20 Milliamp Transmitter</b>							
For freezer	4706	4706	4706	4706	4706	4706	4706
<b>Seismic Restraint Kits</b>							
Seismic restraint kit (basic)	N/A	TFR210	TFR210	TFR210	TFR210	TFR210	TFR210
Seismic restraint kit for OSHPD	N/A	TF-LRF12	TF-LRF23	TF-LRF30	TF-LRF50	TF-LRF75	TF-LRF75

2" casters are pre-installed on all units, except 4.9 cu. ft. where casters are shipped uninstalled.

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## Simple

Easy to install, use and maintain

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Note: Smart-Vue wireless monitoring kits are designed for first time users monitoring critical temperature parameters in ultra-low temperature freezers. Smart-Vue modules and sensors are available for temperature, RH, CO<sub>2</sub> concentration, differential pressure, 4-20mA output, ambient conditions and alarm/relay dry contacts. Solutions vary by RF regions worldwide and are compatible with multiple types of laboratory equipment. Please ask your sales representative to evaluate a Smart-Vue wireless monitoring solution that best meets your specific needs.





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**Australia** +61 39757 4300

**Austria** +43 1 801 40 0

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**China** +86 21 6865 4588 or

+86 10 8419 3588,

**France** +33 2 2803 2180

**Germany national toll free** 08001-536 376

**Germany international** +49 6184 90 6000

**India toll free** 1800 22 8374

**India** +91 22 6716 2200

**Italy** +32 02 95 05 95 52

**Japan** +81 45 453 9220

**Netherlands** +31 76 579 55 55

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**Nordic/Baltic/CIS countries**

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