



**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

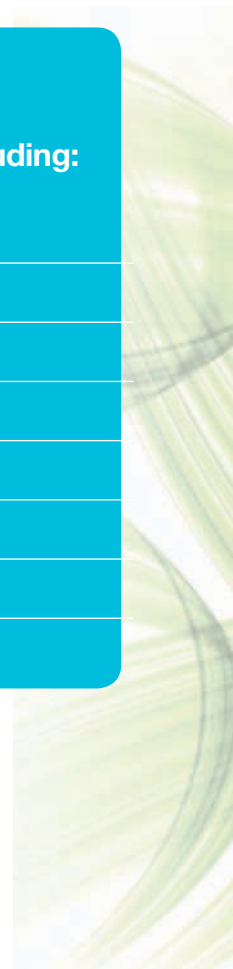
Key-operated alarms and setpoint security

Easy-to-read digital displays

Multi-pane, glass doors

Optional temperature recording charts to confirm storage parameters

Standard 1-inch access ports



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

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

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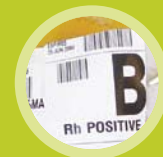


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Advanced design. Quality construction.

## 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

Our high-performance refrigerators and freezers are designed to meet UL and CE criteria for safety and performance. See ordering charts for certifications per specific voltages.



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

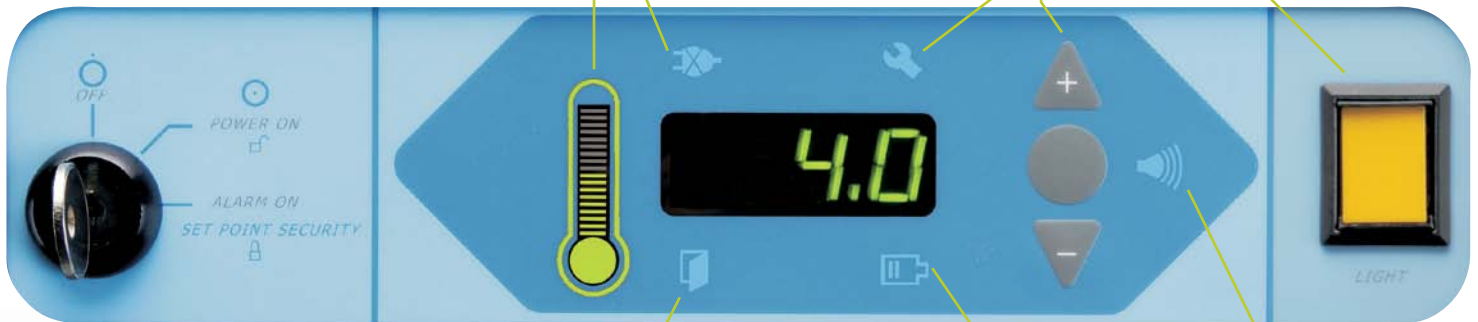
Illuminated when controller is in programming mode, or if simulated warm or cold conditions fail to occur during alarm test function

### 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



Cu. Ft. (L)	4.7 (133)	11.5 (326)	23.3 (659)	29.2 (826)	45.8 (1297)	51.1 (1447)	78.8 (2231)
<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)	Certification	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	4.9	115 (60)	UL	8.0/15 (P1)	undercounter	single	3	20.0 x 20.5 x 20.0	33.4 x 26.0 x 24.0	220
RGL404D	(133)	208/230 (60)	UL	6.0/15 (P4)				(508 x 521 x 508)	(850 x 660 x 610)	(100)
RGL404V		230 (50)	CE	6.0/15 (P7)				Exterior height before caster installation.		
RGL404W		230 (50)	CE	6.0/15 (P8)						
RGL1204A	11.5	115 (60)	UL	9.4/15 (P1)	space saver	single	4	52.4 x 21.75 x 20.0	73.6 x 29.4 x 24.0	280
RGL1204D	(326)	208/230 (60)	UL	6.0/15 (P4)				(1331 x 553 x 508)	(1869 x 748 x 610)	(127)
RGL1204V		230 (50)	CE	6.0/15 (P7)						
RGL1204W		230 (50)	CE	6.0/15 (P8)						
RGL2304A	23.3	115 (60)	UL	9.4/15 (P1)	upright	single	4	58.0 x 29.0 x 24.0	79.2 x 37.2 x 28.0	370
RGL2304D	(659)	208/230 (60)	UL	6.0/15 (P4)				(1473 x 737 x 610)	(2012 x 945 x 711)	(168)
RGL2304V		230 (50)	CE	6.0/15 (P7)						
RGL2304W		230 (50)	CE	6.0/15 (P8)						
RGL3004A	29.2	115 (60)	UL	9.4/15 (P1)	upright	single	4	58.0 x 29.0 x 30.0	79.2 x 37.2 x 34.0	435
RGL3004D	(826)	208/230 (60)	UL	6.0/15 (P4)				(1473 x 737 x 762)	(2012 x 945 x 864)	(197)
RGL3004V		230 (50)	CE	6.0/15 (P7)						
RGL3004W		230 (50)	CE	6.0/15 (P8)						
REL4504A	45.8	115 (60)	UL	15.0/20 (P2)	upright	double sliding	8	58.0 x 26.0 x 52.5	79.1 x 34.5 x 56.5	670
REL4504D	(1297)	208/230 (60)	UL	8.5/15 (P4)				(1473 x 660 x 1334)	(2010 x 876 x 1435)	(304)
REL4504V		230 (50)	CE	8.5/15 (P7)						
REL4504W		230 (50)	CE	8.5/15 (P8)						
RGL5004A	51.1	115 (60)	UL	15.0/20 (P2)	upright	double	8	58.0 x 29.0 x 52.5	79.2 x 37.2 x 56.5	585
RGL5004D	(1447)	208/230 (60)	UL	8.5/15 (P4)				(1473 x 737 x 1334)	(2012 x 945 x 1435)	(265)
RGL5004V		230 (50)	CE	8.5/15 (P7)						
RGL5004W		230 (50)	CE	8.5/15 (P8)						
RGL7504A	78.8	115 (60)	UL	16.0/20 (P2)	upright	triple	12	58.0 x 29.0 x 81.0	79.2 x 37.2 x 85.0	805
RGL7504D	(2231)	208/230 (60)	UL	10.5/15 (P4)				(1473 x 737 x 2057)	(2012 x 945 x 2159)	(365)
RGL7504V		230 (50)	CE	10.5/15 (P7)						
RGL7504W		230 (50)	CE	10.5/15 (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.





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)	Certification	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	4.9	115 (60)	UL	8.0/15 (P1)	undercounter	single	3	20.0 x 20.5 x 20.0	33.4 x 26.0 x 24.0	220
REL404D	(133)	208/230 (60)	UL	6.0/15 (P4)				(508 x 521 x 508)	(850 x 660 x 610)	(100)
REL404V		230 (50)	CE	6.0/15 (P7)						
REL404W		230 (50)	CE	6.0/15 (P8)						
Exterior height before caster installation.										
REL1204A	11.5	115 (60)	UL	9.4/15 (P1)	space saver	single	4	52.4 x 21.75 x 20.0	73.6 x 29.4 x 24.0	280
REL1204D	(326)	208/230 (60)	UL	6.0/15 (P4)				(1331 x 553 x 508)	(1869 x 748 x 610)	(127)
REL1204V		230 (50)	CE	6.0/15 (P7)						
REL1204W		230 (50)	CE	6.0/15 (P8)						
REL2304A	23.3	115 (60)	UL	9.4/15 (P1)	upright	single	4	58.0 x 29.0 x 24.0	79.2 x 37.2 x 28.0	370
REL2304D	(659)	208/230 (60)	UL	6.0/15 (P4)				(1473 x 737 x 610)	(2012 x 945 x 711)	(168)
REL2304V		230 (50)	CE	6.0/15 (P7)						
REL2304W		230 (50)	CE	6.0/15 (P8)						
REL3004A	29.2	115 (60)	UL	9.4/15 (P1)	upright	single	4	58.0 x 29.0 x 30.0	79.2 x 37.2 x 34.0	435
REL3004D	(826)	208/230 (60)	UL	6.0/15 (P4)				(1473 x 737 x 762)	(2012 x 945 x 864)	(197)
REL3004V		230 (50)	CE	6.0/15 (P7)						
REL3004W		230 (50)	CE	6.0/15 (P8)						
REL5004A	51.1	115 (60)	UL	15.0/20 (P2)	upright	double	8	58.0 x 29.0 x 52.5	79.2 x 37.2 x 56.5	585
REL5004D	(1447)	208/230 (60)	UL	8.5/15 (P4)				(1473 x 737 x 1334)	(2012 x 945 x 1435)	(265)
REL5004V		230 (50)	CE	8.5/15 (P7)						
REL5004W		230 (50)	CE	8.5/15 (P8)						
REL7504A	78.8	115 (60)	UL	16.0/20 (P2)	upright	triple	12	58.0 x 29.0 x 81.0	79.2 x 37.2 x 85.0	805
REL7504D	(2231)	208/230 (60)	UL	10.5/15 (P4)				(1473 x 737 x 2057)	(2012 x 945 x 2159)	(365)
REL7504V		230 (50)	CE	10.5/15 (P7)						
REL7504W		230 (50)	CE	10.5/15 (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.

## 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" (5 cm) access ports with insulated hinged covers
- Duplex interior plug
- Four casters, front two are lockable
- 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)	Certification	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	23.3	115 (60)	UL	9.4/15 (P1)	single, glass	0	2	58.0 x 29.0 x 24.0	79.2 x 36.4 x 28.0	425
REC2304D	(659)	208/230 (60)	UL	6.0/15 (P4)				(1473 x 737 x 610)	(2012 x 925 x 711)	(193)
REC2304V		230 (50)	CE	6.0/15 (P7)						
REC2304W		230 (50)	CE	6.0/15 (P8)						
REC3004A	29.2	115 (60)	UL	9.4/15 (P1)	single, glass	0	2	58.0 x 29.0 x 30.0	79.2 x 36.4 x 34.0	435
REC3004D	(826)	208/230 (60)	UL	6.0/15 (P4)				(1473 x 737 x 762)	(2012 x 925 x 864)	(197)
REC3004V		230 (50)	CE	6.0/15 (P7)						
REC3004W		230 (50)	CE	6.0/15 (P8)						
REC4504A	45.8	115 (60)	UL	15.0/20 (P2)	double, sliding glass	4	2	58.0 x 26.0 x 52.5	79.1 x 34.5 x 56.5	670
REC4504D	(1297)	208/230 (60)	UL	8.5/15 (P4)				(1473 x 660 x 1334)	(2010 x 838 x 1435)	(304)
REC4504V		230 (50)	CE	8.5/15 (P7)						
REC4504W		230 (50)	CE	8.5/15 (P8)						
REC5004A	51.1	115 (60)	UL	15.0/20 (P2)	double, glass	4	2	58.0 x 29.0 x 52.5	79.2 x 36.4 x 56.5	580
REC5004D	(1447)	208/230 (60)	UL	8.5/15 (P4)				(1473 x 737 x 1334)	(2012 x 925 x 1435)	(263)
REC5004V		230 (50)	CE	8.5/15 (P7)						
REC5004W		230 (W)	CE	8.5/15 (P8)						
REC7504A	78.8	115 (60)	UL	16.0/20 (P2)	triple, glass	8	2	58.0 x 29.0 x 81.0	79.2 x 36.4 x 85.0	965
REC7504D	(2231)	208/230 (60)	UL	10.5/15 (P4)				(1473 x 737 x 2057)	(2012 x 925 x 2159)	(438)
REC7504V		230 (50)	CE	10.5/15 (P7)						
REC7504W		230 (W)	CE	10.5/15 (P8)						

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Optional inless, 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. DIN 58371 compliant for our 326, 659 and 826 liter capacity units (230V/50Hz only).

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
- 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)	Certification	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	4.9/133	115 (60)	UL	8.0/15 (P1)	undercounter	single,	2	20.0 x 20.5 x 20.0	33.4 x 26.0 x 24.0	220
REB404D	(64)	208/230 (60)	UL	6.0/15 (P4)		solid		(508 x 520 x 508)	(850 x 660 x 610)	(100)
REB404V		230 (50)	CE	6.0/15 (P7)						
REB404W		230 (50)	CE	6.0/15 (P8)				An additional 2" is added when standard casters are installed.		
REB1204A	11.5/326	115 (60)	UL	9.4/15 (P1)	space	single,	6	52.4 x 21.75 x 20.0	73.6 x 29.4 x 24.0	320
REB1204D	(192)	208/230 (60)	UL	6.0/15 (P4)	saver	glass		(1331 x 552 x 508)	(1869 x 762 x 610)	(145)
REB1204V		230 (50)	CE	6.0/15 (P7)						
REB1204W		230 (50)	CE	6.0/15 (P8)						
REB2304A	23.3/659	115 (60)	UL	9.4/15 (P1)	upright	single,	7	58.0 x 29.0 x 24.0	79.2 x 36.4 x 28.0	470
REB2304D	(385)	208/230 (60)	UL	6.0/15 (P4)		glass		(1473 x 737 x 610)	(2012 x 925 x 711)	(213)
REB2304V		230 (50)	CE	6.0/15 (P7)						
REB2304W		230 (50)	CE	6.0/15 (P8)						
REB3004A	29.2/826	115 (60)	UL	9.4/15 (P1)	upright	single,	6	58.0 x 29.0 x 30.0	79.2 x 36.4 x 34.0	505
REB3004D	(426)	208/230 (60)	UL	6.0/15 (P4)		glass		(1473 x 737 x 762)	(2012 x 925 x 864)	(229)
REB3004V		230 (50)	CE	6.0/15 (P7)						
REB3004W		230 (50)	CE	6.0/15 (P8)						
REB5004A	51.1/1447	115 (60)	UL	15.0/20 (P2)	upright	double,	14	58.0 x 29.0 x 52.5	79.2 x 36.4 x 56.5	640
REB5004D	(770)	208/230 (60)	UL	8.5/15 (P4)		glass		(1473 x 737 x 1334)	(2012 x 925 x 1435)	(290)
REB5004V		230 (50)	CE	8.5/15 (P7)						
REB5004W		230 (50)	CE	8.5/15 (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. 4.9 cu. ft. exterior dimensions are without casters.

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

12 Independent automated monitoring is required such as a chart recorder. Note: this medical application is considered Class II for FDA but is currently Class I for MDD.



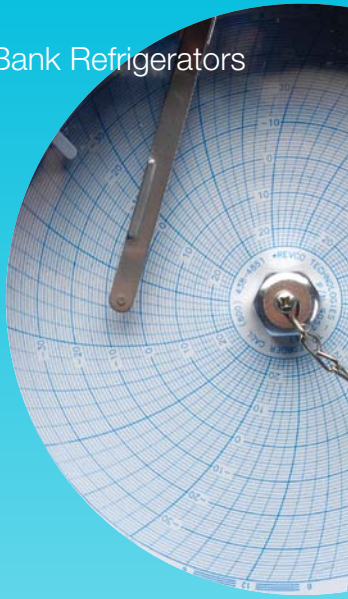
Blood Bank Refrigerators



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)	Certification	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	11.5	115 (60)	UL	9.4/15 (P1)	upright	single, glass	5	52.4 x 21.8 x 20.0	73.6 x 29.4 x 24.0	320
RPR1204D	(326)	208/230 (60)	UL	6.0/15 (P4)				(1320 x 552 x 500)	(1869 x 762 x 610)	(145)
RPR1204V		230 (50)	CE	6.0/15 (P7)						
RPR1204W		230 (50)	CE	6.0/15 (P8)						
RPR2304A	23.3	115 (60)	UL	9.4/15 (P1)	upright	single, glass	6	58.0 x 29.0 x 24.0	79.2 x 36.4 x 28.0	470
RPR2304D	(659)	208/230 (60)	UL	6.0/15 (P4)				(1473 x 737 x 610)	(2012 x 925 x 711)	(213)
RPR2304V		230 (50)	CE	6.0/15 (P7)						
RPR2304W		230 (50)	CE	6.0/15 (P8)						
RPR3004A	29.2	115 (60)	UL	9.4/15 (P1)	upright	single, glass	6	58.0 x 29.0 x 30.0	79.2 x 36.4 x 34.0	505
RPR3004D	(826)	208/230 (60)	UL	6.0/15 (P4)				(1473 x 737 x 762)	(2012 x 925 x 864)	(227)
RPR3004V		230 (50)	CE	6.0/15 (P7)						
RPR3004W		230 (50)	CE	6.0/15 (P8)						
RPR5004A	51.1	115 (60)	UL	15.0/20 (P2)	upright	double, glass	12	58.0 x 29.0 x 52.5	79.2 x 36.4 x 56.5	640
RPR5004D	(1447)	208/230 (60)	UL	8.5/15 (P4)				(1473 x 737 x 1334)	(2012 x 925 x 1435)	(290)
RPR5004V		230 (50)	CE	8.5/15 (P7)						
RPR5004W		230 (50)	CE	8.5/15 (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.



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:**

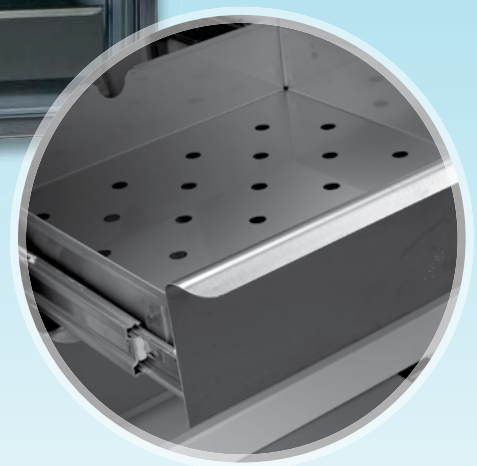
Spring-loaded, self closing doors with 90° stay-open feature  
Lockable doors for added sample security  
Safety glass, double-panel doors



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)	Certification	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	4.9	115 (60)	UL	8.0/15 (P1)	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)
ULT430D	(133)	208/230 (60)	UL	6.0/15 (P4)						
ULT430V		230 (50)	CE	6.0/15 (P7)						
ULT430W		230 (50)	CE	6.0/15 (P8)						
Exterior height before caster installation.										
ULT1230A	11.5	115 (60)	UL	8.0/15 (P1)	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)
ULT1230V	(326)	230 (50)	UL	8.0/15 (P7)						
ULT1230W		230 (50)	CE	8.0/15 (P8)						
ULT2330A	23.3	115 (60)	UL	16.0/20 (P1)	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)
ULT2330D	(659)	208/230 (60)	UL	12.0/15 (P4)						
ULT2330V		230 (50)	CE	12.0/15 (P7)						
ULT2330W		230 (50)	CE	12.0/15 (P8)						
ULT3030A	29.2	115 (60)	UL	16.0/20 (P1)	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)
ULT3030D	(826)	208/230 (60)	UL	12.0/15 (P4)						
ULT3030V		230 (50)	CE	12.0/15 (P7)						
ULT3030W		230 (50)	CE	12.0/15 (P8)						
ULT5030A	51.1	115 (60)	UL	16.0/20 (P2)	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)
ULT5030D	(1447)	208/230 (60)	UL	12.0/15 (P4)						
ULT5030V		230 (50)	CE	12.0/15 (P7)						
ULT5030W		230 (50)	CE	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.

▶ See pages 22-25 for Options and Accessories





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 (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)	Certification	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)	UL	16.0/20 (P1)	upright	single,	4	58.0 x 29.0 x 24.0	79.2 x 37.2 x 28.0	425
UGL2320D	(659)	208/230 (60)	UL	12.0/15 (P4)		solid		(1473 x 737 x 610)	(2012 x 945 x 711)	(193)
UGL2320V		230 (50)	CE	12.0/15 (P7)						
UGL2320W		230 (50)	CE	12.0/15 (P8)						
UGL3020A	29.2	115 (60)	UL	16.0/20 (P1)	upright	single	4	58.0 x 29.0 x 30.0	79.2 x 37.2 x 34.0	445
UGL3020D	(826)	208/230 (60)	UL	12.0/15 (P4)				(1473 x 737 x 762)	(2012 x 945 x 864)	(197)
UGL3020V		230 (50)	CE	12.0/15 (P7)						
UGL3020W		230 (50)	CE	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.



## Plasma Freezers

Our **pre-set Revco high-performance -30°C plasma freezers with automatic defrost** 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
- 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 with Automatic Defrost

Temperature Range: -30°C (auto defrost)

Model No.	Cu.Ft./L (Plasma Box Capacity)**	Voltage (Hz)	Certification	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)	UL	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)	UL	6.0/15 (P4)						
UFP430V		230 (50)	CE	6.0/15 (P7)						
UFP430W		230 (50)	CE	6.0/15 (P8)						
Exterior height before caster installation										
UFP1230A	11.5/326	115 (60)	UL	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)	CE	8.0/15 (P7)						
UFP1230W		230 (50)	CE	8.0/15 (P8)						
UFP2330A	23.3/659	115 (60)	UL	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)	UL	12.0/15 (P4)						
UFP2330V		230 (50)	CE	12.0/15 (P7)						
UFP2330W		230 (50)	CE	12.0/15 (P8)						
UFP3030A	29.2/826	115 (60)	UL	16.0/20 (P2)	upright	single	7	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)	UL	12.0/15 (P4)						
UFP3030V		230 (50)	CE	12.0/15 (P7)						
UFP3030W		230 (50)	CE	12.0/15 (P8)						
UFP5030A	51.1/1447	115 (60)	UL	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)	UL	12.0/15 (P4)						
UFP5030V		230 (50)	CE	12.0/15 (P7)						
UFP5030W		230 (50)	CE	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.

Independent automated monitoring is required such as a chart recorder. Note: this medical application is considered Class II for FDA but is currently Class I for MDD.



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

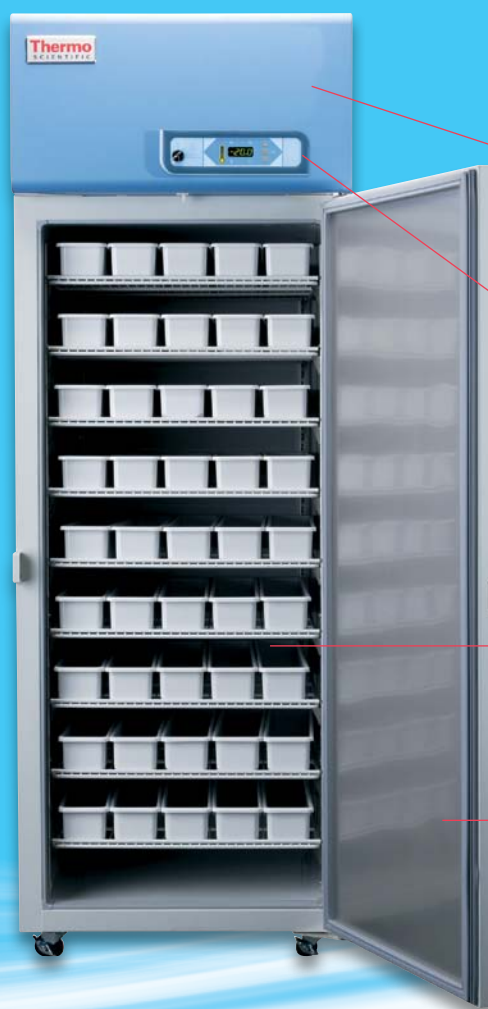
Cabinets shown: 51.1 cu. ft. double door (UFP5030), undercounter (UFP430) and 23.3 cu. ft. single door (UFP2330) plasma freezers

▶ See pages 22-25 for Options and Accessories

# 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, 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

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)	Certification	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)	UL	16.0/20 (P1)	upright	single	9	58.0 x 29.0 x 24.0	79.2 x 37.2 x 28.0	425
UEN2320D	(659)	208/230 (60)	UL	12.0/15 (P4)				(1473 x 737 x 610)	(2012 x 945 x 711)	(193)
UEN2320V		230 (50)	CE	12.0/15 (P7)						
UEN2320W		230 (50)	CE	12.0/15 (P8)						
UEN3020A	29.2	115 (60)	UL	16.0/20 (P1)	upright	single	9	58.0 x 29.0 x 30.0	79.2 x 37.2 x 34.0	445
UEN3020D	(826)	208/230 (60)	UL	12.0/15 (P4)				(1473 x 737 x 762)	(2012 x 945 x 864)	(197)
UEN3020V		230 (50)	CE	12.0/15 (P7)						
UEN3020W		230 (50)	CE	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.



# Services

## Electrical Information

Thermo Scientific Revco high-performance refrigerators and freezers are designed to meet UL and CE criteria for safety and performance. See ordering charts for certifications per specific voltages. 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.














## 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

## 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.*

## 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 Drawers**



**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 our enzyme freezers. 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

- Protects enzymes, cells, reagents and solutions by maintaining freezer temperatures while on the laboratory bench ( $T^{\circ} < 20^{\circ}\text{C}$  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
LH/RH swing, solid		n/a	n/a	n/a	n/a	n/a	7019	n/a
<b>Roll-Out Drawers</b>								
Complete Set	Cat. No. (qty)	7129 (2)	7445 (5)	6699 (6)	6704 (6)	n/a	6700 (12)	6701 (18)
(Single Drawers)		7122	7122	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	6199-3A	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		6199-3	6199-3	6199-3	6199-3	6199-3	6199-3	6199-3
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		6224TA	6224TA	6224TA	6224TA	6224TA	6224TA	6224TA
<b>Remote Alarm Module</b>								
Specify voltage with order		5612-1A	5612-1A	5612-1A	5612-1A	5612-1A	5612-1A	5612-1A
<b>Alarm Delay Module</b>								
Specify voltage with order		6903	6903	6903	6903	6903	6903	6903
<b>Digital Temperature Monitor (Specify voltage with order)</b>								
-50°C to +50°C		6899	6899	6899	6899	6899	6899	6899
-100°C to +100°C		6900	6900	6900	6900	6900	6900	6900
-100°C to +125°C		6902	6902	6902	6902	6902	6902	6902
<b>4-20 Milliamp Transmitter</b>								
Factory installed		6907-1	6907-1	6907-1	6907-1	6907-1	6907-1	6907-1
Customer Installed		6907-2	6907-2	6907-2	6907-2	6907-2	6907-2	6907-2
<b>+5°C Setpoint</b>								
(Not Available for Blood Bank, Pharmacy or Chromatography Units)		7508TA	7508TA	7508TA	7508TA	n/a	7508TA	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



## 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)	
	CAT. NO.	CAT. NO.	CAT. NO.	CAT. NO.	CAT. NO.	
<b>Shelves</b>						
Epoxy-coated, full size	7125	7125	6696	6695	6696	
Epoxy-coated, half size	n/a	n/a	6698	6697	6698	
<b>Door Options and Accessories</b>						
LH swing, solid	7119	6995	6997	6999	n/a	
LH/LH swing, solid	n/a	n/a	n/a	n/a	7001	
RH/RH swing, solid	n/a	n/a	n/a	n/a	7068	
LH/Rh swing, solid	n/a	n/a	n/a	n/a	7019	
<b>Roll-Out Drawers</b>						
Freezer Complete Set	Cat. No. (qty)	7129 (2)	7446 (7)	6699 (7)	6704 (7)	6700 (14)
(Single Drawers)		7122	7122	6702	6725	6702
<b>Drawers Dividers</b>						
For plasma freezers	Cat. No. (qty)	7027 (4)	7027 (4)	6206 (4)	6963 (5)	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	
<b>Finishes</b> (adds 1" or 25 mm to unit height)						
Stainless steel interior (Not available on -20°C units)	7116	6199-3A	6115	6709	6116	
<b>Temperature Chart Recorders</b> (Standard on plasma units)						
Built-in, factory installed	n/a	6183-7	6183-7	6183-7	6183-7	
Free-standing, customer installed	6383-7	6383-7	6383-7	6383-7	6383-7	
Replacement chart paper, -40° to +25° box of 50	6184	6184	6184	6184	6184	
<b>Surge Suppressor</b>						
Specify voltage with order	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	
<b>Deluxe Electronic Remote Alarm</b>						
Requires dedicated phone line	6224TA	6224TA	6224TA	6224TA	6224TA	
<b>Remote Alarm Module</b>						
Specify voltage with order	5612-1A	5612-1A	5612-1A	5612-1A	5612-1A	
<b>Alarm Delay Module</b>						
Specify voltage with order	6903	6903	6903	6903	6903	
<b>Digital Temperature Monitor</b> (Specify voltage with order)						
-100°C to +25°C	6899	6899	6899	6899	6899	
<b>Enzyme Storage Bin</b>						
Labels not included	n/a	n/a	6736	n/a	6736	
<b>4-20 Milliamp Transmitter</b>						
For freezer	4706	4706	4706	4706	4706	
<b>Seismic Restraint Kits</b>						
Seismic restraint kit (basic)	N/A	TFR210	TFR210	TFR210	TFR2100	
Seismic restraint kit for OSHPD	N/A	TF-LRF12	TF-LRF23	TF-LRF30	TF-LRF50	

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

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