

# Value Series

## Ultra-Low Temperature Freezers



Refrigeration	Control
★★★★★ Legaci®	★★★ Solid-State

Choose from four upright and six chest models, temperatures to  $-86^{\circ}\text{C}$  and  $-40^{\circ}\text{C}$ . Temperature recorders, racks and boxes optional.



Solid-state control system with keyed on/off switch for security.

### Value Series Operating Temperature

- $-86^{\circ}\text{C}$ , Range  $-40^{\circ}\text{C}$  to  $-86^{\circ}\text{C}$
- $-40^{\circ}\text{C}$ , Range  $-10^{\circ}\text{C}$  to  $-40^{\circ}\text{C}$
- Air-cooled refrigeration systems are engineered to maintain design temperatures in warm  $32^{\circ}\text{C}$  ( $+90^{\circ}\text{F}$ ) ambient conditions

### Refrigeration System

- Exclusive Legaci system with air-cooled compressor(s), 1 HP
- CFC-free refrigerants, DuPont Suva® 95 low-stage refrigerants
- Downfeed evaporator for most efficient refrigerant flow
- High-capacity, air-cooled condenser with dual condenser fans, aerodynamically shaped fan blades
- Washable condenser filter keeps fins free of dust to maintain peak cooling efficiency; no tools required for removal

### Control System

- Solid-state control system with adjustable temperature setpoint
- Digital temperature display
- Push-button setpoint display
- Key-operated main power switch

**REVCO®**  
the future, inside

# Value Series Ultra-Low Temperature Freezers



### Electrical System

- Automatic voltage boost compensates for low voltage and brownout conditions
- Optional free-standing surge suppressor minimizes effect of voltage spikes from incoming electrical service

### Alarm System

- Integrated overtemperature safety alarm with battery backup and audible warning of temperature deviation
- Exterior alarm contacts for connection to remote monitoring system

### Cabinet Construction, All Models

- Minimum 5" (12.7cm) foamed-in-place urethane insulation, closed-cell, CFC-free, to protect product against high ambient conditions
- Heavy-gauge steel cabinet with high-impact powder paint finish
- Rounded interior corners for easy cleaning
- Access port, 1" (2.54cm) diameter, with cap
- Recessed heavy duty swivel casters

### Upright Cabinet Construction

- CryoLatch™ integrated door handle and latch assembly allows for easy right- or left-handed operation, and includes standard key lock and provision for padlock
- Pressure equalization port combats vacuum created by pressure differential upon door closing, allowing re-entry to cabinet within 30 seconds
- Low-profile design, only 77.5" (197cm) high
- Five high-impact plastic inner doors with independent door hinges and positive magnetic latches

Refrigeration	Control
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Choose from four upright and six chest models, temperatures to -86°C and -40°C. Temperature recorders, racks and boxes optional.

	Model No.	Cu.Ft./Liters	Voltage	Amps/Breaker (Plug)	Interior Dimensions inches/cm	Exterior Dimensions inches/cm	Ship Weight	
Value -40°C Upright Freezers Temperature Range -10°C to -40°C	ULT-1340-3A ULT-1340-3D ULT-1340-3V ULT-1340-3W	13.4/379	115V 60Hz 1Ø 208/230V 60Hz 1Ø 220V 50Hz 1Ø 240V 50Hz 1Ø	10.0/15 (P1) 5.7/15 (P4) 5.7/15 (P7) 5.7/15 (P8)	50.5"H x 19.5"F-B x 23.5"W 128cm x 49cm x 59cm	77.5"H x 29.75" F-B x 33.5"W 197cm x 76cm x 85cm	595 lbs/270 kg	
	ULT-1740-3A ULT-1740-3D ULT-1740-3V ULT-1740-3W	17.2/487	115V 60Hz 1Ø 208/230V 60Hz 1Ø 220V 50Hz 1Ø 240V 50Hz 1Ø	10.0/15 (P1) 5.7/15 (P4) 5.7/15 (P7) 5.7/15 (P8)	50.5"H x 25"F-B x 23.5"W 128cm x 63cm x 59cm	77.5"H x 35.25" F-B x 33.5"W 197cm x 90cm x 85cm	630 lbs/286 kg	
	ULT-2140-3A ULT-2140-3D ULT-2140-3V ULT-2140-3W	20.2/572	115V 60Hz 1Ø 208/230V 60Hz 1Ø 220V 50Hz 1Ø 240V 50Hz 1Ø	11.1/15 (P1) 5.8/15 (P4) 5.8/15 (P7) 5.8/15 (P8)	50.5"H x 24.25"F-B x 28.5"W 128cm x 61cm x 72cm	77.5"H x 34.5" F-B x 38.5"W 197cm x 88cm x 98cm	680 lbs/309 kg	
	ULT-2540-3A ULT-2540-3D ULT-2540-3V ULT-2540-3W	24.4/691	115V 60Hz 1Ø 208/230V 60Hz 1Ø 220V 50Hz 1Ø 240V 50Hz 1Ø	11.1/15 (P1) 5.8/15 (P4) 5.8/15 (P7) 5.8/15 (P8)	50.5"H x 24.25"F-B x 34.5"W 128cm x 61cm x 87cm	77.5"H x 34.5" F-B x 44.5"W 197cm x 88cm x 113cm	770 lbs/350 kg	
	ULT-350-3A ULT-350-3D ULT-350-3V ULT-350-3W	3.1/88	115V 60Hz 1Ø 208/230V 60Hz 1Ø 220V 50Hz 1Ø 240V 50Hz 1Ø	10.0/15 (P1) 5.4/15 (P4) 5.4/15 (P7) 5.4/15 (P8)	17"H x 17"F-B x 19"W 43cm x 43cm x 48cm	45.5"H x 27"F-B x 29"W 116cm x 69cm x 74cm	355 lbs/161 kg	
	ULT-750-3A ULT-750-3D ULT-750-3V ULT-750-3W	6.8/193	115V 60Hz 1Ø 208/230V 60Hz 1Ø 220V 50Hz 1Ø 240V 50Hz 1Ø	8.5/15 (P1) 4.5/15 (P4) 4.5/15 (P7) 4.5/15 (P8)	26.5"H x 19"F-B x 23.5"W 67cm x 48cm x 59cm	41"H x 29"F-B x 48.5"W 104cm x 74cm x 124cm	470 lbs/213 kg	
	ULT-1050-3A ULT-1050-3D ULT-1050-3V ULT-1050-3W	10.3/292	115V 60Hz 1Ø 208/230V 60Hz 1Ø 220V 50Hz 1Ø 240V 50Hz 1Ø	8.5/15 (P1) 4.5/15 (P4) 4.5/15 (P7) 4.5/15 (P8)	26.5"H x 19"F-B x 35.25"W 67cm x 48cm x 89cm	41"H x 29"F-B x 60.25"W 104cm x 74cm x 153cm	500 lbs/227 kg	
	ULT-1450-3A ULT-1450-3D ULT-1450-3V ULT-1450-3W	13.7/388	115V 60Hz 1Ø 208/230V 60Hz 1Ø 220V 50Hz 1Ø 240V 50Hz 1Ø	8.5/15 (P1) 4.5/15 (P4) 4.5/15 (P7) 4.5/15 (P8)	26.5"H x 19"F-B x 47"W 67cm x 48cm x 119cm	41"H x 29"F-B x 72"W 104cm x 74cm x 183cm	650 lbs/295 kg	
	ULT-1750-3A ULT-1750-3D ULT-1750-3V ULT-1750-3W	17.1/484	115V 60Hz 1Ø 208/230V 60Hz 1Ø 220V 50Hz 1Ø 240V 50Hz 1Ø	8.5/15 (P1) 4.5/15 (P4) 4.5/15 (P7) 4.5/15 (P8)	26.5"H x 19"F-B x 58.75"W 67cm x 48cm x 149cm	41"H x 29"F-B x 83.75"W 104cm x 74cm x 213cm	650 lbs/295 kg	
	ULT-2050-3A ULT-2050-3D ULT-2050-3V ULT-2050-3W	20.5/580	115V 60Hz 1Ø 208/230V 60Hz 1Ø 220V 50Hz 1Ø 240V 50Hz 1Ø	8.5/15 (P1) 4.5/15 (P4) 4.5/15 (P7) 4.5/15 (P8)	26.5"H x 19"F-B x 70.5"W 67cm x 48cm x 179cm	41"H x 29"F-B x 95.5"W 104cm x 74cm x 243cm	685 lbs/311 kg	
	Value -40°C Chest Freezers Temperature Range -10°C to -40°C							

- Four shelves (three adjustable) to create five interior compartments
- Minimum 3.5" (7.6cm) high-density door insulation, CFC-free

### Chest Cabinet Construction

- Low-profile design for easier access to inventory
- Heavy duty counterbalanced lid with integrated keyed lid lock for security; 3.1 cu.ft. (88 liters) model includes locking provision only
- Double seal lid gaskets to minimize frost buildup
- Independent sub-lids provide additional protection

### Inventory System and Accessories

- Optional inventory components including racks, boxes and dividers may be ordered separately or as full-load inventory systems
- See Accessories section for information on optional alarm systems, temperature recorders, LN<sub>2</sub>/CO<sub>2</sub> backup systems, inventory components, validation testing, calibration certificates and associated products



Chest and upright inventory systems are ordered separately; see page 20.



### Line Cord Plug Reference

Freezers with this code	have this plug	require this receptacle	NEMA Reference	
			Plug	Receptacle
P1			5-15P	5-15R
P2			5-20P	5-20R
P4			6-15P	6-15R
International				
P7			European	
P8			British	

	Model No.	Cu.Ft. /Liters	Voltage	Amps/Breaker (Plug)	Interior Dimensions inches/cm	Exterior Dimensions inches/cm	Ship Weight
<b>Value -86°C Upright Freezers</b> Temperature Range -50°C to -86°C	<b>ULT-1386-3A</b> <b>ULT-1386-3D</b> <b>ULT-1386-3V</b> <b>ULT-1386-3W</b>	13.4 /379	115V 60Hz 1Ø 208/230V 60Hz 1Ø 220V 50Hz 1Ø 240V 50Hz 1Ø	16.0/20 (P2) 7.5/15 (P4) 7.5/15 (P7) 7.5/15 (P8)	50.5"H x 19.5"F-B x 23.5"W 128cm x 49cm x 59cm	77.5"H x 29.75"F-B x 33.5"W 197cm x 76cm x 85cm	655 lbs/297 kg
	<b>ULT-1786-3A</b> <b>ULT-1786-3D</b> <b>ULT-1786-3V</b> <b>ULT-1786-3W</b>	17.2 /487	115V 60Hz 1Ø 208/230V 60Hz 1Ø 220V 50Hz 1Ø 240V 50Hz 1Ø	16.0/20 (P2) 7.5/15 (P4) 7.5/15 (P7) 7.5/15 (P8)	50.5"H x 25"F-B x 23.5"W 128cm x 63cm x 59cm	77.5"H x 35.25"F-B x 33.5"W 197cm x 90cm x 85cm	660 lbs/300 kg
	<b>ULT-2186-3A</b> <b>ULT-2186-3D</b> <b>ULT-2186-3V</b> <b>ULT-2186-3W</b>	20.2 /572	115V 60Hz 1Ø 208/230V 60Hz 1Ø 220V 50Hz 1Ø 240V 50Hz 1Ø	16.0/20 (P2) 8.5/15 (P4) 8.5/15 (P7) 8.5/15 (P8)	50.5"H x 24.25"F-B x 28.5"W 128cm x 61cm x 72cm	77.5"H x 34.5"F-B x 38.5"W 197cm x 88cm x 98cm	745 lbs/338 kg
	<b>ULT-2586-3A</b> <b>ULT-2586-3D</b> <b>ULT-2586-3V</b> <b>ULT-2586-3W</b>	24.4 /691	115V 60Hz 1Ø 208/230V 60Hz 1Ø 220V 50Hz 1Ø 240V 50Hz 1Ø	16.0/20 (P2) 8.5/15 (P4) 8.5/15 (P7) 8.5/15 (P8)	50.5"H x 24.25"F-B x 34.5"W 128cm x 61cm x 87cm	77.5"H x 34.5"F-B x 44.5"W 197cm x 88cm x 113cm	830 lbs/377 kg
<b>Value -86°C Chest Freezers</b> Temperature Range -40°C to -86°C	<b>ULT-390-3A</b> <b>ULT-390-3D</b> <b>ULT-390-3V</b> <b>ULT-390-3W</b>	3.1 /88	115V 60Hz 1Ø 208/230V 60Hz 1Ø 220V 50Hz 1Ø 240V 50Hz 1Ø	16.0/20 (P2) 11.2/15 (P4) 11.2/15 (P7) 11.2/15 (P8)	17"H x 17"F-B x 19"W 43cm x 43cm x 48cm	45.5"H x 27"F-B x 29"W 116cm x 69cm x 74cm	415 lbs/188 kg
	<b>ULT-790-3A</b> <b>ULT-790-3D</b> <b>ULT-790-3V</b> <b>ULT-790-3W</b>	6.8 /193	115V 60Hz 1Ø 208/230V 60Hz 1Ø 220V 50Hz 1Ø 240V 50Hz 1Ø	16.0/20 (P2) 11.2/15 (P4) 11.2/15 (P7) 11.2/15 (P8)	26.5"H x 19"F-B x 23.5"W 67cm x 48cm x 59cm	41"H x 29"F-B x 48.5"W 104cm x 74cm x 124cm	525 lbs/238 kg
	<b>ULT-1090-3A</b> <b>ULT-1090-3D</b> <b>ULT-1090-3V</b> <b>ULT-1090-3W</b>	10.3 /292	115V 60Hz 1Ø 208/230V 60Hz 1Ø 220V 50Hz 1Ø 240V 50Hz 1Ø	16.0/20 (P2) 11.2/15 (P4) 11.2/15 (P7) 11.2/15 (P8)	26.5"H x 19"F-B x 35.25"W 67cm x 48cm x 89cm	41"H x 29"F-B x 60.25"W 104cm x 74cm x 153cm	680 lbs/308 kg
	<b>ULT-1490-3A</b> <b>ULT-1490-3D</b> <b>ULT-1490-3V</b> <b>ULT-1490-3W</b>	13.7 /388	115V 60Hz 1Ø 208/230V 60Hz 1Ø 220V 50Hz 1Ø 240V 50Hz 1Ø	16.0/20 (P2) 11.2/15 (P4) 11.2/15 (P7) 11.2/15 (P8)	26.5"H x 19"F-B x 47"W 67cm x 48cm x 119cm	41"H x 29"F-B x 72"W 104cm x 74cm x 183cm	650 lbs/295 kg
	<b>ULT-1790-3A</b> <b>ULT-1790-3D</b> <b>ULT-1790-3V</b> <b>ULT-1790-3W</b>	17.1 /484	115V 60Hz 1Ø 208/230V 60Hz 1Ø 220V 50Hz 1Ø 240V 50Hz 1Ø	16.0/20 (P2) 11.2/15 (P4) 11.2/15 (P7) 11.2/15 (P8)	26.5"H x 19"F-B x 58.75"W 67cm x 48cm x 149cm	41"H x 29"F-B x 83.75"W 104cm x 74cm x 213cm	770 lbs/350 kg
	<b>ULT-2090-3A</b> <b>ULT-2090-3D</b> <b>ULT-2090-3V</b> <b>ULT-2090-3W</b>	20.5 /580	115V 60Hz 1Ø 208/230V 60Hz 1Ø 220V 50Hz 1Ø 240V 50Hz 1Ø	16.0/20 (P2) 11.2/15 (P4) 11.2/15 (P7) 11.2/15 (P8)	26.5"H x 19"F-B x 70.5"W 67cm x 48cm x 179cm	41"H x 29"F-B x 95.5"W 104cm x 74cm x 243cm	940 lbs/427 kg