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Find the *Thermo / Revco ULT3286-9SI-D* at our website: *Click HERE*

Thermo Scientific Revco Ultima II Series SI –86°C Freezer 32 cu. ft. (906 L)



Revco ULT-3286-9SI high-capacity ultra-low temperature freezer.

- *Holds 700 2" (50 mm) boxes (70,000 vials) 525 3" (76 mm) boxes (52,500 vials)*
- *Based on standard Thermo Scientific Revco fiberboard boxes with 10 x 10 grid cell dividers.*

The Revco ULT-3286-9SI requires less floor space than comparable models.

Super Insulation Increases Capacity

Exclusive thin-wall Super Insulation increases your storage capacity without occupying additional lab space. The 32 cu. ft. (906 L) Revco Ultima II Series Super Insulated -86°C freezer requires less floor space than comparable models.

Maximum Storage Capacity

- Seven optional racks per shelf and five shelf positions provide a total freezer volume of 35 inventory racks that hold up to 700 2" (50 mm) boxes or 525 3" (76 mm) boxes
- Closed-cell, high-density, foamed-in-place urethane insulation on the side and back walls combine with a vacuum insulation core to maintain R-value
- Composite wall design decreases wall thickness from 5" (127 mm) to 2⅝" (67 mm), maximizing interior space
- At only 35" deep x 44.5" wide (889 mm x 1130 mm), the high-capacity ULT-3286-9SI saves valuable lab floor space

Cabinet Features

Interior

- Ten inner doors constructed of high impact plastic create independent storage compartments
- Each inner door is mounted on a continuous hinge for optimal sample protection and increased service life
- Inner doors operate independently to protect entire sample contents from ambient thermal exposure
- Five shelves, three adjustable in 1" (25 mm) increments, permit alternate inventory configuration
- Stainless steel breakers and hot gas halo heat around perimeter of cabinet minimize frost build up
- Pressure Equalization Port™ (PEP) rapidly equalizes cabinet pressure by metering controlled amount of atmospheric air into storage chamber after door opening
- PEP combats vacuum created by pressure differential upon door closing, allowing re-entry to cabinet within 30 seconds of door opening

Exterior

- CryoLatch™ ultra-reliable, heavy-duty latch assembly with key access and padlock provision
- Heavy duty swivel casters and two front adjustable leveling feet for ease of installation
- 1" (25 mm) access port located on upper back wall of freezer

Heavy Duty Refrigeration System

- Advanced refrigeration system assures unprecedented reliability for critical storage applications
- Two 1HP semi-hermetic compressors configured for ultra-low freezers, and scientifically matched for motor size and displacement required for efficient operation
- DuPont™ refrigerants are formulated to achieve design operating temperatures by cooling the load as well as the system components
- Lubricating oils are formulated to function properly at ultra-low temperatures
- Condensers and aerodynamically shaped fans are balanced to complement the cooling capacity of the refrigerants

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Specifications Temperature Range: -50°C to -86°C

Model No.	Cu.Ft. (L)	Controller	Voltage (Hz)	Amps/ Breaker (Plug)	Interior Dimensions* H x D x W inches (mm)	Exterior Dimensions* H x D x Winches (mm)	Ship Weight lb (kg)
ULT-3286-9SI-D	32 (906)	IntrLogic	208 V 60 Hz 1 Ø	12/15 (P4)	50.5 x 26.8 x 39.3 (1283 x 680 x 991)	77.5 x 35.0 x 44.5 (1969 x 889 x 1130)	1055 (480)
ULT-3286-9SI-V	32 (906)	IntrLogic	230 V 50 Hz 1 Ø	12/15 (P7)	50.5 x 26.8 x 39.3 (1283 x 680 x 991)	77.5 x 35.0 x 44.5 (1969 x 889 x 1130)	1055 (480)
ULT-3286-9SI-W	32 (906)	IntrLogic	230 V 50 Hz 1 Ø	12/15 (P8)	50.5 x 26.8 x 39.3 (1283 x 680 x 991)	77.5 x 35.0 x 44.5 (1969 x 889 x 1130)	1055 (480)

**All dimensions and specifications subject to change without notice. External dimensions include allowances for cabinet door, hinges, latches, handles and control panel protrusions.*

Inventory Systems and Accessories

Inventory Rack Stainless steel with handle. Adjustable, 2" (50 mm) or 3" (76 mm) box configuration; boxes and dividers ordered separately.	Holds 20 boxes 2" (50 mm)		Holds 15 boxes 3" (76 mm)	
	9.4" H x 26.8" D x 5.3" W (239 mm x 681 mm x 135 mm)			
Full-Load Inventory System includes 35 racks with boxes and 100 cell dividers	Catalog No. 7189 35 racks, clips, 700 2" (50 mm) boxes Total vial capacity: 70,000		Catalog No. 7190 35 racks, clips, 525 3" (76 mm) boxes Total vial capacity: 52,500	
Single Rack, Standard With clips (adjustable)	Catalog No. 7187			
Single Rack 4 drawers for (20) 2" boxes	Catalog No. 7243			
Fiberboard Boxes Package of (12) boxes (without dividers)	Catalog No. 5954		Catalog No. 5956	
Fiberboard Dividers	Catalog No. 5958 10 x 10	Catalog No. 6212 9 x 9	Catalog No. 5960 8 x 8	Catalog No. 5959 7 x 7
Package of (12) dividers	100 cells	81 cells	64 cells	49 cells



The inventory system (ordered separately) is based on the stainless steel rack for use with optional 2" (50 mm) or 3" (76 mm) high boxes. Racks, boxes and dividers can be ordered separately or as a complete system.

Contact your Thermo Scientific Sales Representative for information on alternative available inventory racks.

Options and Accessories

	Catalog No.
CO_2 Back-up System (built-in, factory installed)	7216
CO_2 Back-up System (free standing, customer installed)	7214
LN_2 Back-up System (built-in, factory installed)	7217
LN_2 Back-up System (free standing, customer installed)	7215
6" (152 mm) Circular Chart Temperature Recorder (built-in, factory installed, 50 charts included)	6183
6" (152 mm) Circular Chart Temperature Recorder (free standing, customer installed, 50 charts included)	6383
6" (152 mm) /7-day Chart Paper (temperature range +50°C to -115°C, package of 50)	6185
Alarm Delay Module	6903
Deluxe Electronic Remote Alarm	6224
Digital Temperature Monitor	6898

Line Cord Plug Reference

Models with this code	*have this plug*	*require this receptacle*	*NEMA Reference*	
			Plug	*Receptacle*
P4			*6-15P*	*6-15R*
			International	
P7			*European*	
P8			*British*	

Control, Alarms and Monitoring Systems



- IntrLogic control system is user-friendly yet high-performance with digital display, keyed power and alarm switch, and touchpad data entry, door-mounted for quick viewing and temperature adjustment
- Audible and visual alarms notify user of deviation beyond adjustable high and low parameters
- Automatic incident monitor (A.I.M.) warns of current or recent self-corrected situations that may affect performance
- Low battery alarm indicator, clean filter light and alarm test are displayed on control panel
- Extreme ambient alarm warns if room temperature may affect freezer performance
- Three-position key switch for operating temperature and alarm parameter activation
- Lifeguard alert monitors compressor performance and automatically adjusts to internal and external conditions, extending component life
- Voltage boost notifies of insufficient incoming line voltage; automatically compensates to required voltage
- Optional 6" (153mm) 7-day, circular temperature chart recorder uses pressure-sensitive chart paper (includes one box of 50 charts)
- Remote alarm contacts for remote monitoring

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