

Ultra Low Freezers

ULF PLATINUM Series

Temperature range -40°C to -85°C / -40°C to -80°C

Style

Chest (Horizontal)

Upright (Vertical)

ULF PLATINUM SERIES CHEST AND UPRIGHT ULTRA LOW FREEZERS

■ Features

- Digital temperature control with dual display and adjustable temperature range. Scan button for setting temperature and tamper proof lockout
- Quick pull-down to operating temperature with efficient and reliable cascade refrigeration. Two large hermetic compressors ensure rapid pull-down of product load. Because of the unique design of the freezers, the pressure in the refrigeration system is held very low, eliminating excessive heat build up. This low pressure allows the freezer to operate efficiently, extending compressor life.
- Compressor life is extended by an energy-saving low stage which operates only on demand.
- Compressors are protected with a constant flow of refrigerant
- Heat is efficiently and effectively dissipated by an air-cooled condenser with two heavy-duty fans. Condenser requires no liquid coolant
- Freezer has automatic timer system that restarts unit in case of power failure
- Frost and ice build-up along the gasket is minimized by a heater harness located beneath the channel
- CFC-Free R-508B and R-404A refrigerants

■ Primary Uses

- Clinics
- Research
- Small laboratories
- Hospital rooms
- Medical clinics

■ Common Specifications

Temperature control system	Touch Screen control Displays set point and chamber temperature Hi/Low Alarm W/ Email and SMS notification Alarm Relay Dry Contacts Power Failure Dry Contacts Battery Back-up Viewable Temperature graph Data logging downloadable via USB or FTP Multi-Level Security VNC Remote Access via PC / smart devices
Digital alarm system with relay	Battery operated alarm system will emit an audible and visual signal when there is a mechanical or electrical failure. The alarm has an over and under temperature setting, alarm silencing switch. A relay for a remote alarm hook-up is also provided.
Access port	Mounted in left hand side of the cabinet will be a 1/2" porthole leading into the chilling chamber, complete with plugs.
Refrigeration system	Cascade Type - Two hermetic motor compressors. CFC & HCFC free refrigerants
Construction	Chamber is 14-ga. Zinc coated galvanized steel. Exterior is 16-ga. steel. Powder coated cool gray finish.
Electrical requirements	115V, 60 Hz, 1 phase 208V, 60 Hz, 1 phase 230V, 60 Hz, 1 phase 220V, 50 Hz, 1 phase 220V, 60 Hz, 1 phase
Optional accessories	CO ² and LN ² back-up system, Racks, Cold safety gloves

■ Unique Specifications for PLATINUM CHEST TYPE (HORIZONTAL) Ultra Low Freezers - Top Opening

Model	Capacity		Rack Capacity	Temp. Range	Internal Dimension		External Dimension	
	Liters	Cu. ft.			Inch	Centimeter	Inch	Centimeter
ULF001CP	56	2	6	-40°C to -85°C	17" x 14" x 14"	43 x 35 x 35	25.25" x 25.75" x 40"	64 x 65 x 101
ULF101CP	83	3	8	-40°C to -85°C	24" x 12" x 18"	60 x 30 x 45	34.5" x 25.25" x 48"	87 x 64 x 121
ULF201CP	142	5	15	-40°C to -85°C	30" x 18" x 16"	76 x 45 x 40	40.5" x 31" x 47"	102 x 81 x 119
ULF301CP	255	9	16	-40°C to -85°C	46" x 16" x 20"	116 x 40 x 50	57.5" x 29" x 46.5"	146 x 73 x 116
ULF401CP	340	12	27	-40°C to -85°C	55" x 19" x 20"	139 x 48 x 50	65.5" x 32" x 47.5"	166 x 81 x 120
ULF501CP	400	14	30	-40°C to -85°C	62" x 20" x 20"	157 x 50 x 50	72.5" x 33" x 47.5"	184 x 83 x 120
ULF601CP	480	17	36	-40°C to -85°C	69" x 20" x 21"	175 x 50 x 53	81.25" x 33.5" x 48.5"	206 x 85 x 123
ULF701CP	595	21	36	-40°C to -80°C	81" x 21.5" x 21"	205 x 54 x 53	91" x 36" x 49"	231 x 91 x 124
ULF801CP	626	22	36	-40°C to -85°C	67" x 19" x 30"	170 x 48 x 76	98" x 36" x 43.5"	248 x 91 x 110
ULF901CP	766	27	48	-40°C to -80°C	67" x 23" x 31.25"	170 x 57 x 79	98" x 36" x 43.5"	248 x 91 x 110

PLATINUM CHEST TYPE (HORIZONTAL) Ultra Low Freezers - Top Opening



56L
ULF001CP



142L
ULF201CP



340L
ULF401CP



480L
ULF601CP



766L
ULF901CP

■ Unique Specifications for **PLATINUM UPRIGHT TYPE (VERTICAL) Ultra Low Freezers with Door Mounted Touch Screen Control**

Model	Capacity		Rack Capacity	Shelving	Temp. Range	Internal Dimension		External Dimension	
	Liters	Cu. ft.				Inch	Centimeter	Inch	Centimeter
ULF401UP	370	13	15	4 adjustable (5 compartments)	-40°C to -85°C	20" x 22" x 51.25	50 x 55 x 130	35" x 34.5" x 79.5"	88 x 87 x 201
ULF501UP	505	18	20	4 adjustable (5 compartments)	-40°C to -85°C	23" x 26" x 51.25"	58 x 66 x 130	40" x 36" x 79.5"	101 x 91 x 201
ULF601UP	626	22	25	4 adjustable (5 compartments)	-40°C to -85°C	28.5" x 26" x 51.25"	72 x 66 x 130	43" x 37" x 79.5"	109 x 93 x 201
ULF701UP	710	25	30	4 adjustable (5 compartments)	-40°C to -85°C	34" x 25" x 51.25"	86 x 63 x 130	50" x 37" x 79.5"	127 x 93 x 201
ULF801UP	792	28	30	4 adjustable (5 compartments)	-40°C to -80°C	38" x 25" x 51.25"	96 x 63 x 130	54" x 37" x 79.5"	137 x 93 x 201
ULF901UP	877	31	35	4 adjustable (5 compartments)	-40°C to -80°C	42" x 25" x 51.25"	106 x 63 x 130	60.5" x 37" x 79.5"	153 x 93 x 201



370L
ULF401UP



505L
ULF501UP



710L
ULF701UP



877L
ULF901UP