

Ultra-Low Temperature Freezers

Dependable Operation by Design



Temperature Range -40°C to -85°C

- Freezer has an automatic timer system that will restart the unit in case of power failure.
- Frost and ice build-up along the gasket is minimized by a heater harness located beneath the channel cap away from the inner chamber.
- CFC-Free R-508B and R-404A refrigerants.
- Digital temperature control with dual display and adjustable temperature range. Scan button for setting temperature and tamper proof lockout.
- 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.
- 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.

General Specifications

UL certified

MODEL	CU. FT./LITERS	TEMPERATURE RANGE	INTERIOR DIMENSIONS, INCHES (CM) WxH-BxH	EXTERIOR DIMENSIONS, INCHES (CM) WxH-BxH
CHEST HORIZONTAL				
ULC2	2-56	-40°C to -85°C	17" x 14" x 14" (43 x 35 x 35)	25 x 26" x 38.5" (63 x 66 x 97)
ULC3	3-83	-40°C to -85°C	24" x 12" x 18" (60.9 x 30.5 x 45.7)	34.5" x 26" x 47" (87.6 x 66 x 119.4)
ULC5	5-142	-40°C to -85°C	30" x 18" x 16" (76.2 x 45.7 x 40.6)	40.5" x 32" x 47" (102.9 x 81.3 x 119.4)
ULC9	9-255	-40°C to -85°C	47" x 16" x 20" (119.4 x 40.6 x 50.8)	58" x 29.5" x 47" (147.3 x 74.9 x 119.4)
ULC12	12-340	-40°C to -85°C	55" x 19" x 20" (139.7 x 48.3 x 50.8)	66" x 32.5" x 48" (167.6 x 82.5 x 121.9)
ULC14	14-400	-40°C to -85°C	62" x 20" x 20" (157.5 x 50.8 x 50.8)	73" x 34" x 48" (185.4 x 86.3 x 121.9)
ULC17	17-480	-40°C to -85°C	69" x 20" x 21" (175.3 x 50.8 x 50.8)	81" x 34.5" x 49" (205.7 x 87.6 x 124.4)
ULC22	22-626	-40°C to -85°C	67" x 19" x 30" (170.2 x 48.3 x 76.2)	98" x 36" x 44" (248.9 x 91.4 x 111.8)
ULC27	27-766	-40°C to -80°C	67" x 23" x 31" (170.2 x 57.2 x 78.7)	98" x 36" x 44" (248.9 x 91.4 x 111.8)
UPRIGHT VERTICAL				
ULU13	13-370	-40°C to -85°C	20" x 22" x 51.25" (50.8 x 55.9 x 130)	36" x 33.5" x 79.5" (91.4 x 85.1 x 201.9)
ULU18	18-505	-40°C to -85°C	23" x 26" x 51.25" (58.4 x 66.1 x 130)	36.5" x 36.5" x 79.5" (92.7 x 92.7 x 201.9)
ULU22	22-626	-40°C to -85°C	28.5" x 26" x 51.25" (72.4 x 66.1 x 130)	42" x 36.5" x 79.5" (106.6 x 92.7 x 201.9)
ULU25	25-710	-40°C to -85°C	34" x 25" x 51.25" (86.4 x 63.5 x 130)	49.5" x 36.5" x 79.5" (125.7 x 92.7 x 201.9)
ULU28	28-792	-40°C to -80°C	38" x 25" x 51.25" (96.5 x 63.5 x 130)	53" x 36.5" x 79.5" (134.6 x 92.7 x 201.9)
ULU30	31-843	-40°C to -80°C	42" x 25" x 51.25" (106.7 x 63.5 x 130)	59.5" x 36.5" x 79.5" (151.1 x 92.7 x 201.9)

All units tested for 7 days prior to shipment.

Specifications

Control System: Digital temperature control

Refrigeration System - CFC Free: Cascade Type - Two hermetic type compressors - Large air cooled Condenser - Cooling coils - Copper tubing

Insulation - CFC Free: Minimum of five inches of polyurethane - Sublids - Double sealed gaskets

Construction: Inner Chamber - Heavy gauge corrosion resistant zinc coated galvanized steel. **Outer shell** - heavy gauge, cold-rolled steel

Electrical Requirements:
115 volts, 60 hertz, 1 phase
208 volts, 60 hertz, 1 phase
230 volts, 60 hertz, 1 phase
220 volts, 50 hertz, 1 phase
440 volts, 60 hertz, 1 phase

Digital Alarm System: Battery operated alarm system with digital display. Audio and visual display will activate with temperature warm up or loss of power. System includes an audio silence switch and alarm test switch.

Accessories:

- Chart recorder 7 day 6 inch
- Inventory control systems
- Porthole access
- CO2 and LN2 back-up system
- Stainless steel chambers
- Racks - Baskets
- Cold safety gloves
- Three phase electrical wiring
- Telephone alarm system
- Voltage safety system
- RS232 or RS485 Data Ports

Models Available to -40°C

Warranty: 1 year parts and labor