

SO-LOW PREMIER FREEZERS TO -85°C

- MEDICAL RESEARCH
- CLINICAL APPLICATIONS
- BIOLOGICAL RESEARCH
- INDUSTRIAL USE



Thomas
Scientific

SO-LOW

www.so-low.com

Efficiency And Dependability For The Most Demanding Environments

- Large Selection
- Quality Construction
- Dependability
- Ease of Operation
- Efficiency
- Low Maintenance

Laboratory Professionals all over the world are recognizing the dependability and efficiency of So-Low Premier Ultra Low Freezers, the first to combine all of these performance features and deliver a level of quality construction, reliability and value unequalled anywhere in the world.

- 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 three fans.
- Freezer has an automatic timer system that will restart the unit in case of a power failure.
- Large air cooled finned condenser with front to back air flow resulting in cooler compressors. A special hinged grille for easy opening providing for a quick visual check of the air cooled condenser.
- CFC-Free refrigerants.

PREMIER

SPECIFICATIONS:

Temperature:

Range -40°C to -85°C

Control System:

Large digital temperature control

Refrigeration System: Cascade Type-Two compressors hermetic type-Condenser-Air cooled- Cooling Coils- Copper tubing

Insulation: CFC free- Minimum- Five inch high density polyurethane-Minimum - 3/4" subslids - Gaskets - Double sealed

Construction: Inner Chamber - Heavy gauge, corrosion resistant zinc coated galvanized steel-Outer Shell - Heavy gauge, cold- rolled steel

Electrical Requirement:

115 volts, 60 hertz, 1 phase

208 volts, 60 hertz, 1 phase

230 volts, 60 hertz, 1 phase

220 volts, 50 hertz, 1 phase

Digital Alarm System: Rechargeable lifetime battery powered alarm system has a digital display. An audio and visual alarm will come on when there is a rise in the temperature set point. The system has an audio silence button, alarm test switch, and relay for remote alarm.

Accessories:

Chart recorders 7 day, 6 inch

Inventory control systems

Porthole access

CO2 and LN2 back-up system

Stainless steel chambers

Baskets-Rails

Cryo safety gloves

Power booster- low voltage safety system

Telephone alarm system



General Specifications

THOMAS NO.	MODEL NO.	CU.FT/LITERS	TEMPERATURE RANGE	INTERIOR DIMENSIONS, INCHES (CM)		EXTERIOR DIMENSIONS, INCHES (CM)	
				W x F-B x H		W x F-B x H	
UPRIGHT VERITCAL							
1227G21	PV85-13	13-370	-40°Cto-85°C	20" x 22" x 51.25"	(50.8 x 55.9 x 130)	35" x 33" x 79"	(88.9 x 83.8 x 200.7)
1227G22	PV85-18	18-505	-40°Cto-85°C	23" x 26" x 51.25"	(58.4 x 66.1 x 130)	36" x 35.5" x 79"	(91.4 x 90.2 x 200.7)
1227G23	PV85-22	22-588	-40°C to-85°C	28.5" x 26" x 51.25"	(72.4 x 66.1 x 130)	41.5" x 35.5" x 79"	(105 x 90.2 x 200.7)
1227G24	PV85-25	25-710	-40°C to-85°C	34" x 25" x 51.25"	(86.4 x 63.5 x 130)	49" x 35.5" x 79"	(124.5 x 90.2 x 200.7)
1227G25	PV80-30	30-843	-40°C to-80°C	42" x 25" x 51.25"	(105.4 x 63.5 x 130)	62" x 35.5 " x 79"	(157.5 x 90.2 x 200.7)
CHEST, HORIZONTAL							
1227G14	PH85-5	5-142	-40°C to-85°C	30" x 18" x 16"	(76.2 x 45.7 x 40.6)	40" x 35" x 46"	(101.6 x 88.9 x 116.8)
1227G15	PH85-9	9-255	-40°C to-85°C	47" x 16" x 20"	(119.4 x 40.6 x 50.8)	57" x 33" x 46"	(144.8 x 83.8 x 116.8)
1227G16	PH85-12	12-340	-40°C to -85°C	55" x 19" x 20"	(139.7 x48.3 x 50.8)	65" x 35" x 46"	(165.1 x 88.9 x 116.8)
1227G17	PH85-14	14-400	-40°C to -85°C	61" x 20" x 20"	(154.9 x 50.8 x 50.8)	71" x 35" x 46"	(180.3 x 88.9 x 116.8)
1227G18	PH85-17	17-480	-40°C to-85°C	69" x 20" x 21"	(175.3 x 50.8 x 53.3)	79" x 35.5" x 48"	(200.7 x 90.2 x 121.9)
1227G19	PH85-22	22-626	-40°C to -85°C	67" x 19" x 30"	(170.2 x 48.3 x 76.2)	95.5" x 35.5" x 44"	(242.6 x 90.2 x 111.8)
1227G20	PH80-27	27-766	-40°C to -80°C	67" x 23" x 31"	(170.2 x 58.4 x 78.7)	95.5" x 35.5" x 44"	(242.6 x 90.2 x 111.8)

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