

Low Temperature Freezers

Energy Efficient Low Temperature Freezers



VLF Series

Temperature range 0°C ~ -40°C

Style

Chest
(Horizontal)

Upright
(Vertical)

VLF SERIES ENERGY EFFICIENT CHEST AND UPRIGHT LOW TEMPERATURE FREEZERS

Energy Efficient Low Temperature Freezers are designed for cold storage of materials to -40°C. Cutting edge technology allows for lower energy consumption compared to traditional cold storage equipment.

Control Specifications

Temperature control system	Touch screen dual display
Temperature alarm	Audible high / low alarm
Alarm notification	SMS / Email notification*
Remote control	VNC via local network*
Control security	Multi-level security
Temperature recorder	Viewable temperature graph
Data download	USB or FTP
Network connection	Hardwire ethernet (RJ45)
Alarm relay	Dry contacts Power failure via dry contacts

*Any alarm, logging, or recording systems installed in (or on) the equipment do not power any external devices required for signal transmission; such as the modem, routers, or switches on your local network connection.

Unpowered systems will obstruct alert system functionality during a power outage. Please consult your IT department and/or internet provider for additional information on internet operation during a power outage.

Primary Uses

- Laboratories
- Research facilities
- Pharmaceuticals

General Specifications

Defrost	Manual
Air circulation	Gravity flow
Compressor (s)	Cascade-type hermetic compressor Energy efficient variable speed
Refrigeration	CFC & HCFC free
Insulation	Polyurethane foam
Opening	Top opening lid
Lockable lid / door	Yes, with padlock
Exterior	Steel, powder coated
Interior	Steel, galvanized
Voltages available	115V 60 Hertz 1 Phase - NEMA 5-15 208V 60 Hertz 1 Phase - NEMA 6-15 230V 60 Hertz 1 Phase - NEMA 6-15 Other voltages available upon request

Unique Specifications for ENERGY EFFICIENT CHEST TYPE (HORIZONTAL) Low Temperature Freezers - Top Opening

Model	Capacity		Rack Capacity	Casters	Internal Dimension		External Dimension	
	Liters	Cu. ft.			Lockable	Inch	Centimeter	Inch
VLF001C	56	2	6	4	4	17 x 14 x 14	43 x 35 x 35	25.25 x 25.75 x 40
VLF101C	83	3	8	4	4	24 x 12 x 18	61 x 31 x 46	34.5 x 25.25 x 48
VLF201C	142	5	15	4	4	30 x 18 x 16	76 x 46 x 40.	40.5 x 31 x 47
VLF301C	255	9	16	4	4	45.5 x 16 x 20	115 x 40 x 50	57.5 x 29 x 46.5
VLF401C	340	12	27	6	6	55 x 19 x 20	139 x 48 x 50	65.5 x 32 x 47.5
VLF501C	400	14	30	6	6	62 x 20 x 20	157 x 50 x 50	72.5 x 33 x 47.5
VLF601C	480	17	36	8	8	69 x 20 x 21	175 x 50 x 53	81.25 x 33.5 x 48.5
VLF701C	594	21	42	8	8	81 x 21.5 x 21	205 x 54 x 53	91 x 36 x 49
VLF801C	626	22	36	12	12	67 x 19 x 30	170 x 48 x 76	98 x 36 x 43.5
VLF901C	766	27	48	12	12	67 x 23 x 31.25	170 x 57 x 79	98 x 36 x 43.5



83L
VLF101



255L
VLF301C



340L
VLF401C

ENERGY EFFICIENT CHEST TYPE (HORIZONTAL) Low Temperature Freezers - Top Opening



480L
VLF601C



766L
VLF901C

Unique Specifications for ENERGY EFFICIENT UPRIGHT TYPE Low Temp. Freezers with Door Mounted Touch Screen Control

Model	Capacity		Rack Capacity	Storage	Casters	Internal Dimension		External Dimension	
	Liters	Cu. ft.				Inch	Centimeter	Inch	Centimeter
VLF401U	370	13	15	4 adjustable (5 compartments)	4	20 x 22 x 51.25	50 x 55 x 130	35" x 34.5" x 79.5	88 x 87 x 201
VLF501U	505	18	20	4 adjustable (5 compartments)	4	23 x 26 x 51.25	58 x 66 x 130	36 x 36 x 79.5	91 x 91 x 201
VLF601U	626	22	25	4 adjustable (5 compartments)	4	28.5 x 26 x 51.25	72 x 66 x 130	43 x 37 x 79.5	109 x 93 x 201
VLF701U	710	25	30	4 adjustable (5 compartments)	6	34 x 25 x 51.25	86 x 63 x 130	50 x 37 x 79.5	127 x 93 x 201
VLF801U	792	28	30	4 adjustable (5 compartments)	6	38 x 25 x 51.25	96 x 63 x 130	54 x 37 x 79.5	137 x 93 x 201



370L
VLF401U



710L
VLF701U



792L
VLF801U