



Upright Freezers

vaccine storage

Features

Powerful refrigeration system and superior plenum air distribution

- modular refrigeration system with microprocessor controller provides a ± 1 C (1.8 F) performance throughout
- industry-exclusive plenum air distribution delivers cold air at six different levels
- programmed automatic defrost cycle
- external evaporator and defrost heaters minimize heat gain during defrost cycles, ensuring better product temperature stability
- frost-free and auto-evaporating condensate

User-friendly interface

- 7" LCD capacitive touchscreen digital temperature display available in user-programmable C or F
- integral event and data logging with easy downloading via convenient USB port

Protection for your valuable products

- audible and visual high/low temperature, door open, power failure, low battery alarms
- dry contacts for remote alarming

Full stainless steel cabinet and high quality components

- full stainless steel interior and exterior provide resistance to rust and corrosion
- ships with quick-connect RTD probe with certificate of NIST-traceable calibration easily accessible inside storage cabinet
- dished stainless floor contains spills for easy clean up
- heavy-duty dual casters roll easily and lock securely
- 2.75" (6.98 cm) of CARB compliant non-HFC foam throughout
- four heavy-duty epoxy-coated shelves standard

Heavy-duty door for ease of use and energy savings

- 2.60" (6.60 cm) thick insulated stainless steel door with ADA-compliant full length locking handle
- self-closing hinges lock open at 90 degrees for easy product loading

Warranty

- 2 year parts and labor
- 5 year compressor parts only
- optional extended one year warranty (item# EW12)
 - 3 year parts and labor
 - 5 year compressor parts only
- optional extended three year warranty (item# EW36)
 - 5 year parts and labor

Certifications



Vaccine Freezer
NSF 456 – E524732
Commercial Freezer
SAFETY US/CA – SA12646

Epoxy-coated shelves



Model configurations			
Storage system	Hinge location	Door style	Item number
4 shelves	right	solid	FZRVAC20-LB-RHT00S
4 shelves	right	solid	FZRVAC25-LB-RHT00S

Accessories

Replacement "quick connect" RTD probe with certificate of NIST-traceable calibration (item# 01140458)
 Replacement CRS (Complete Refrigeration System) module, for single door models (item# 01007004)
 Glycerine, 16 oz (item# 00959296)
 Wall bracket kit, seismic anchoring (item# 00927194)
 For additional accessories, refer to form# 8665
 NOTE: Accessories ship separately

Controls

Temperature display	7" LCD capacitive touchscreen digital temperature display available in user-programmable C or F
C1 3rd party probe access	top right side of cabinet interior
Product temperature display probe	quick-connect RTD (± 0.4 C, ± 0.7 F)
Temperature probe calibration	probe calibration in 0.1° increments
Password protection PIN	4 digit password to prevent interface setting/selection changes
Date and time	programmable
Product simulation bottle size	125 ml
Refrigeration and defrost probes	NTC thermistor type
Refrigeration cycle with probe error	factory set at 6 min on, 4 off, user adjustable
Programmable operating range	-37.2 to -17.8 C (-35 to 0 F)
Factory preset	-23.9 C

Alarming

High and low product temp. alarm	audible and visual
Power failure alarm	audible and visual
Door ajar alarm	audible and visual
Probe error alarm	audible and visual
Alarm mute	10 minute ring-back, adjustable
Alarm volume	0-10 scale
Low battery alert	audible and visual
Back-up battery status	shows voltage level
Min/max temperature log	shows highest and lowest product temperature since last reset occurred
Remote contacts	NO/NC standard, located behind front panel
Information log	graphs or displays temperature data and displays chronological event data (50,000 data points)
Data export	USB export capabilities

FZRVAC20

FZRVAC25

Specification

Nominal capacity	19.7 cu ft	24.6 cu ft
Vaccine storage capacity	12.8 cu ft	16.4 cu ft
Ventilation clearance	16.00" (40.6 cm) top, 2.00" (5.08 cm) back (9.00" (22.86 cm) on left side if ambient > 86 F)	16.00" (40.6 cm) top, 2.00" (5.08 cm) back (9.00" (22.86 cm) on left side if ambient > 86 F)

Exterior

W1 Width	29.75" (75.6 cm)	29.75" (75.6 cm)
D1 Depth with handle	30.50" (77.5 cm)	36.50" (92.7 cm)
H1 Height with casters	79.50" (201.9 cm)	79.50" (201.9 cm)
Casters	(4) swiveling dual wheel casters with toe locks	(4) swiveling dual wheel casters with toe locks
D2 Door swing	56.50" (143.5 cm)	62.50" (158.8 cm)

FZRVAC20
FZRVAC25
Dimensional drawing
Interior

Height	55.94" (142.1 cm)	55.94" (142.1 cm)
Storage system	(4) epoxy-coated shelves, adjustable in 1/2" (1.27 cm) increments	(4) epoxy-coated shelves, adjustable in 1/2" (1.27 cm) increments
Shelf dimensions	21.75" W x 19.25" D (55.2 x 48.9 cm)	21.75" W x 24.19" D (55.2 x 61.4 cm)
Working load rating per shelf	59 lb (27 kg)	78 lb (35 kg)
Max. load rating per shelf	88 lb (40 kg)	117 lb (53 kg)

Door configurations

Door	2.60" (6.60 cm) thick insulated solid stainless steel door	2.60" (6.60 cm) thick insulated solid stainless steel door
Door lock	cylinder type with one key	cylinder type with one key
Door handle	ADA-compliant, full length	ADA-compliant, full length
Door hinges	torsion rod self-closing with 90° hold open feature	torsion rod self-closing with 90° hold open feature
Gasket	magnetic dart style (replaceable)	magnetic dart style (replaceable)

Electrical

C2 Electrical 115 V/60/1 (103 - 132 V)	12 run load amps, NEMA 5-20 90° hospital-grade plug. 9' (2.7 m) cord.	12 run load amps, NEMA 5-20 90° hospital-grade plug. 9' (2.7 m) cord.
Minimum circuit ampacity	25 amps with max 60 ft (18.2 m) wire run between receptacle and breaker using minimum 12 AWG	25 amps with max 60 ft (18.2 m) wire run between receptacle and breaker using minimum 12 AWG
Maximum size of branch circuit overcurrent device	20 amps dedicated circuit	20 amps dedicated circuit
Minimum voltage at compressor terminals	97 Vac when energized	97 Vac when energized

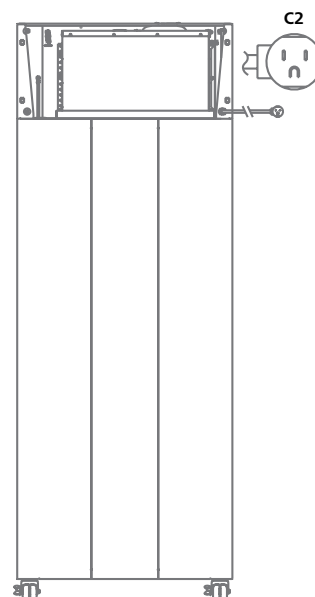
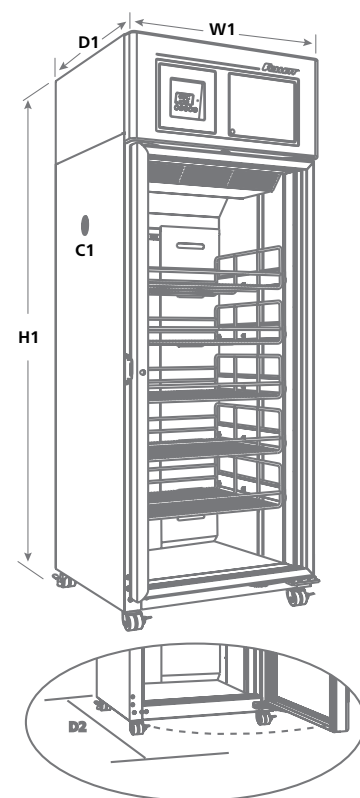
System performance

Top-to-bottom temperature consistency	± 1 C (1.8 F)	± 1 C (1.8 F)
Refrigeration system	integral top-mounted module with 3/4 hp compressor and air-cooled condenser	integral top-mounted module with 3/4 hp compressor and air-cooled condenser
Refrigerant and charge	non-CFC R404a refrigerant, 10.6 oz	non-CFC R404a refrigerant, 10.6 oz
Air circulation system	ducted air to each storage level through back plenum opening, front face return	ducted air to each storage level through back plenum opening, front face return
Maximum ambient	86 F (30 C), 60% relative humidity	86 F (30 C), 60% relative humidity
Energy consumption	10.8 kWh/day (4 hr defrost interval)	10.8 kWh/day (4 hr defrost interval)
BTU/hr normal heat rejection, includes duty cycle (75 F ambient)	2440 BTU/hr (703 Watts)	2440 BTU/hr (703 Watts)
BTU/hr maximum (total) heat rejection, continuous operation (75 F ambient)	3990 BTU/hr (1169 Watts)	3990 BTU/hr (1169 Watts)

Shipping

Shipping size	42.00" W x 43.00" D x 86.00" H (106.7 x 109.2 x 218.4 cm)	42.00" W x 43.00" D x 86.00" H (106.7 x 109.2 x 218.4 cm)
Approximate refrigeration condenser module net weight	88 lb (40 kg)	62 lb (40 kg)
Approximate net weight	340 lb (154 kg)	370 lb (168 kg)
Approximate ship weight	480 lb (218 kg)	480 lb (218 kg)

NOTE: For indoor use only



SHORT FORM SPECIFICATION: NSF/ANSI 456-certified vaccine freezers (choose one) with with ____ 19.7 cu ft of nominal capacity or ____ 24.6 cu ft of nominal capacity. To include (4) full, epoxy-coated shelves, adjustable in 1/2" (1.27 cm) increments. Each unit comes standard with a one-year certificate of NIST-traceable calibration. Environmentally responsible R404a refrigeration system to include an integral top-mounted module with 3/4 hp compressor and air-cooled condenser. 7" LCD capacitive touchscreen with user selectable C or F. Event and data logging with USB download capability. Air circulation system to duct air through back plenum openings with front face return. Storage area to be insulated with CARB compliant non-HFC foam. 9' (2.7 m) power cord with NEMA 5-20 90° hospital-grade plug. UL listed.

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Freezers for vaccine storage
