FZR20 Upright

laboratory & pharmacy freezers



Upright freezers, 115V/60 Hz			
Storage system	Hinging	Keypad	**Item number**
4 shelves	right	yes	**FZR20-LB-RHTKPS**
4 shelves	right	no	**FZR20-LB-RHT00S**
4 shelves	left	yes	**FZR20-LB-LHTKPS**
4 shelves	left	no	**FZR20-LB-LHT00S**

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
- auto-evaporating condenser

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
- quick-connect RTD product temperature probe 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 CFC-free foam insulation 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, 5 year compressor parts, 2 year labor

Job

Item

801 Church Lane | Easton, PA 18040, USA
1.800.523.9361 | 1.610.252.7301 | follett healthcare.com

Factory-installed options

Left-hinged door, facing unit (right-hinged door standard)

Integral keypad and electronic locking system with keyed access manual override

NOTE: Factory-installed options must be specified at time of order – for details contact factory or your local sales representative.

Accessories

Additional shelves, set of 2 (item# 00927251)

Quick-connect replacement RTD temperature probe with ISO 17025 certificate of traceable calibration (item# 01140458)

Digital data logger kit (item# 01057561)

Pyxis® compatible door bracket (item# 00927202)

Omnicell® compatible door bracket (item# 00966432)

medDISPENSE® compatible door bracket (item# 00978296)

Glycerine, 16 oz (item# 00959296)

Additional key (item# 01035013)

Wall bracket kit, seismic anchoring (item# 00927194)

NOTE: Accessories ship separately.

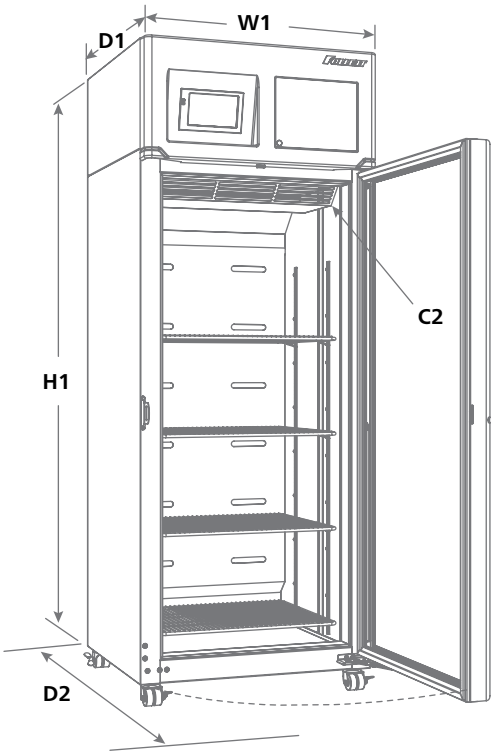
Touchscreen display

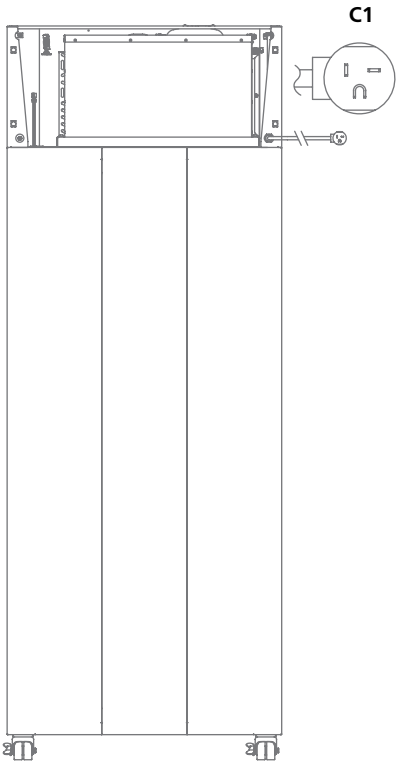


Specification

Nominal capacity	19.7 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)
Exterior	
W1 Width	29.75" (75.6 cm)
D1 Depth with handle	30.50" (77.5 cm)
H1 Height with casters	79.50" (201.9 cm)
Casters	(4) swiveling dual wheel casters with toe locks
D2 Door swing	56.50" (143.5 cm)
Interior	
Height	55.94" (142.1 cm)
Storage system	(4) full, epoxy-coated shelves, adjustable in 1/2" (1.27 cm) increments
Overall shelf dimensions	23.38" W x 19.50" D (59.4 cm x 49.5 cm)
Inside shelf dimensions	23.38" W x 19.50" D (59.4 cm x 49.5 cm)
Working load rating per shelf	59 lb (27 kg)
Max. load rating per shelf	88 lb (40 kg)
Door configurations	
Door	2.60" (6.60 cm) thick insulated solid stainless steel door
Door lock	cylinder type with one key
Door handle	ADA-compliant, full length handle
Door hinges	torsion rod self-closing with 90º hold open feature
Gasket	magnetic dart style (replaceable)
Electrical	
C1 Electrical 120 V/60/1 (108 - 132 V)	12 run load amps, NEMA 5-20 90º hospital-grade plug. Max. fuse 20 amps, 9' (2.7 m) cord.
Controls	
Temperature display	7" LCD capacitive touchscreen digital temperature display available in user-programmable C or F
C2 3rd party probe access	top right side of cabinet interior
Product temperature display probes	(1) quick-connect RTD (± 0.4 C, ± 0.7 F)
Temperature probe calibration	top probe calibration in 0.1º increments
Password protection PIN	4 digit password to prevent interface setting/selection changes
Date and time	programmable
Product simulation bottle	(1) 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

Dimensional drawing





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Alarming	
High and low product temperature alarm	audible and visual, user programmable set points in C or F
Power failure alarm	audible and visual
Door ajar alarm	audible and visual
Probe error alarm	audible and visual – product temperature probes, refrigeration and defrost
Alarm mute	10 minute ring-back
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
Data logging	
Information log	graphs or displays temperature data and displays chronological event data (50,000 data points)
Data export	USB export capabilities
System performance	
Top-to-bottom temperature consistency	± 1 C (1.8 F)
Refrigeration system	integral top-mounted module with 3/4 hp compressor and air-cooled condenser
Refrigerant and charge	Non-CFC R404a refrigerant, 10.6 oz
Air circulation system	ducted air to each storage level through back plenum openings, front face return
Air temperature pull down	24 to -20 C (75 to -4 F) in 60 minutes
Product simulation bottle temperature pull down	24 to -20 C (75 to -4 F) in 120 minutes
Maximum ambient	86 F (30 C), 60% relative humidity
Energy consumption	10.8 kWh/day (4 hr defrost interval)
BTU/hr normal heat rejection, includes duty cycle (75 F ambient)	2440 BTU/hr (703 Watts)
BTU/hr maximum (total) heat rejection, continuous operation (75 F ambient)	3990 BTU/hr (1169 Watts)
Shipping	
Shipping size	43.00" W x 35.00" D x 82.00" H (109.2 x 88.9 x 208.3 cm)
Approximate refrigeration module net weight	88 lb (40 kg)
Approximate net weight	340 lb (154 kg)
Approximate ship weight	440 lb (200 kg)

NOTE: For indoor use only

SHORT FORM SPECIFICATION: Upright freezer with 19.7 cu ft of nominal capacity. (4) full, epoxy-coated shelves, adjustable in 1/2" (1.27 cm) increments. 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 CFC-free, high density polyurethane foam. 9' (2.7 m) power cord with NEMA 5-20 90º hospital-grade plug. UL listed.

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