

# Upright

## laboratory & pharmacy freezers



### Features

#### Powerful refrigeration system and superior plenum air distribution

- modular refrigeration system with microprocessor controller provides a  $\pm 1$  C (1.8 F) performance throughout
- industry-exclusive plenum air distribution delivers cold air at six different levels
- automatic defrost cycle frees staff from manual defrost
- external evaporator and defrost heaters minimize heat gain during defrost cycles, ensuring better product temperature stability
- auto evaporating condenser eliminates drain

#### User-friendly interface and protection for your valuable products

- easy-to-read LCD shows temperature and provides navigation for feature programming
- fully alarmed: audible and visual high/low temperature, door open, power failure, low battery
- 6.00" (15.24 cm) 7 day chart recorder available as option
- RS-485 port and dry contacts for data streaming and remote alarming

#### Full stainless steel cabinet and high quality components

- full stainless steel interior and exterior provide outstanding resistance to rust and corrosion
- 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

- right-hinged solid 2.60" (6.60 cm) thick insulated stainless steel door with ADA-compliant full length locking handle (left hinge available as option)
- self-closing hinges lock open at 90 degrees for easy product loading

#### Warranty

- 2 year parts, 5 year compressor parts, 2 year labor

User selectable C or F temperature and alarm display



Upright freezers				
model	cubic capacity cu ft (L)	storage system	V/Hz/Ph	Item number
<b>freezer</b>	19.7 (558)	4 shelves	115/60/1	<b>FZR20-LB*</b>
	24.6 (697)	4 shelves	115/60/1	<b>FZR25-LB*</b>

\*cUL models available for use in Canada – specify cUL model or contact factory

Job

Item

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**FOLLETT**®

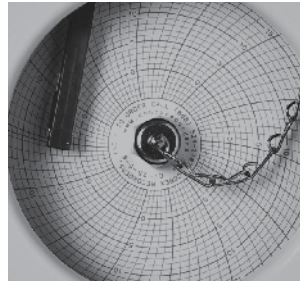
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## Accessories

- Additional shelves, set of 2 (FZR20-LB models – item# 00927251), (FZR25-LB models – item# 00927269)
  - Left hinged door, facing unit (right hinged door standard) – factory installed option†
  - Integral 6.00" (15.24 cm) 7-day chart recorder – factory installed option†
  - Temperature probe with certificate of traceable calibration, top (item# 00905646)
  - Replacement 7-day chart recorder paper, C (item# 00980870)
  - Replacement 7-day chart recorder paper, F (item# 00980888)
  - Replacement chart recorder pens, set of 6 (item# 00918813)
  - Digital data logger kit (item# 01057561)
  - Data logger replacement temperature probe (item# 01057595)
  - Pyxis® compatible door bracket (item# 00927202)
  - Omniceil® compatible door bracket (item# 00966432)
  - medDISPENSE® compatible door bracket (item# 00978296)
  - AccuDose-Rx (McKesson®) – McKesson bracket provides compatibility with ALL models. No Follett bracket needed.
  - Glycerine, 16 oz (item# 00959296)
  - Additional key (item# 01035013)
  - Wall bracket kit, seismic anchoring (item# 00927194)
- † Factory installed accessories must be specified at time of order – contact factory for details

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Integral 6.00" (15.24 cm) 7-day chart recorder



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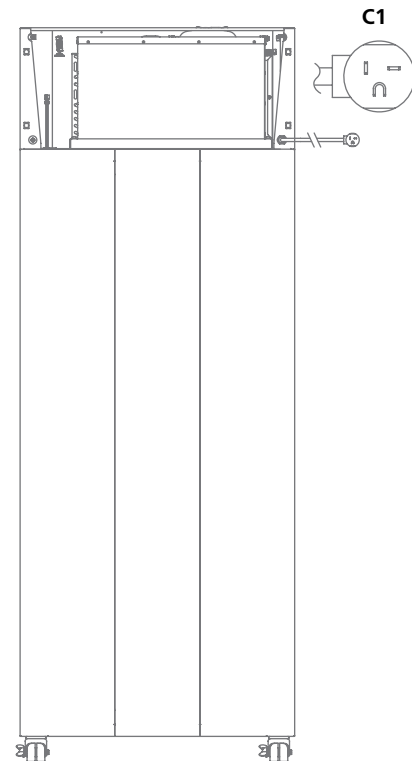
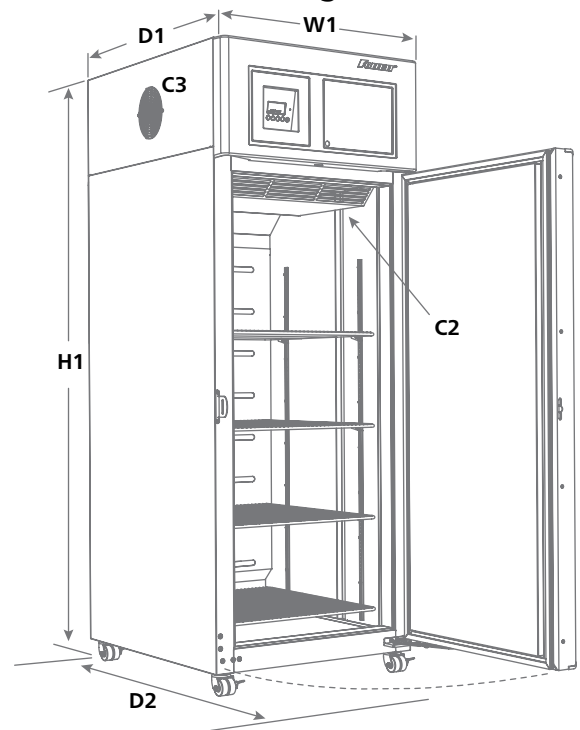
Heavy-duty epoxy coated shelves on LB models



## Specification

Nominal capacity	FZR20 – 19.7 cu ft FZR25 – 24.6 cu ft
<b>W1</b> Width	29.75" (75.6 cm)
<b>D1</b> Depth with handle	FZR20 – 30.50" (77.5 cm) FZR25 – 36.50" (92.7 cm)
<b>H1</b> Height with casters	79.50" (201.9 cm)
Height interior	55.94" (142.1 cm)
<b>D2</b> Door swing	FZR20 – 56.50" (143.5 cm) FZR25 – 62.50" (158.8 cm)
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)
<b>C1</b> Electrical	12 run load amps, NEMA 5-20 120 V/60/1 (108 - 132 V)
Door	2.60" (6.60 cm) thick insulated solid door
Door lock	cylinder type with key
Door handle	ADA-compliant, full length handle
Door hinges	torsion rod self closing with 90° hold open feature
Storage system	(4) full, epoxy-coated shelves, adjustable in 1/2" (1.22 cm) increments
Overall shelf dimensions (width x depth)	FZR20 – 23.38" x 19.50" (59.4 cm x 49.5 cm) FZR25 – 23.38" x 25.50" (59.4 x 64.8 cm)
Inside shelf dimensions (width x depth)	FZR20 – 23.38" x 19.50" (59.4 cm x 49.5 cm) FZR25 – 23.38" x 25.50" (59.4 x 64.8 cm)
Working load rating per shelf	FZR20 – 59 lb (kg) FZR25 – 78 lb (kg)
Max. load rating per shelf	FZR20 – 88 lb (kg) FZR25 – 117 lb (kg)
Gasket	magnetic dart style (replaceable)
Casters	(4) swiveling dual wheel casters with toe locks
Temperature display	3.00" (7.62 cm) LCD display with 0.1° resolution, user selectable C or F
<b>C2</b> 3rd party probe access	top right side of cabinet interior
<b>C3</b> Ventilation fan	cUL models only
Product temperature display probes	(1) RTD type immersible
High and low product temperature alarm	audible and visual, user programmable setpoints in C or F
Power failure alarm	audible and visual
Door ajar alarm	audible and visual, alarms following 1 minute of door open
Probe error alarm	visual – product temperature probes, refrigeration and defrost
Alarm mute	default set for 5 minutes ring back, user selectable to 60 minutes
Low battery alert	audible
Alarm volume	high, medium, low, off
Back-up battery status	shows volts and indicates status

## Dimensional drawing



Pyxis is a registered trademark of CareFusion in the United States and other countries.  
 Omnicell is a registered trademark of Omnicell, Inc. in the United States.  
 AcuDose-Rx is a registered trademark of McKesson in the United States and other countries.  
 medDISPENSE is a registered trademark of InterMetro Industries Corp. in the United States and other countries.  
 Follett is a registered trademark of Follett Corporation, registered in the US.  
 Follett reserves the right to change specifications at any time without obligation.

## Specification (continued)

Min/max temperature log	shows highest and lowest product temperature since last reset occurred
Temperature probe calibration	top probe calibration in 0.1° increments
Password protection PIN	choose "on" or "off" – 4 digit password to prevent interface setting/selection changes
Date and time	programmable
Product simulation bottle	(1) 125 ml
Top to bottom temperature consistency	± 1 C (1.8 F)
Remote contacts	NO/NC standard, located behind front panel
Data connection	RS-485, located behind front panel
Refrigeration and defrost probes	NTC thermistor type
Refrigeration cycle with probe error	factory set at 6 min on, 4 off, user adjustable
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 -24) in 120 minutes
Programmable operating range	-15 to -32 C (5 to -26 F)
Factory preset	-24 C
Maximum ambient	86 F (30 C), 60% relative humidity
Energy consumption	3.6 kWh/day (4 hr defrost interval)
Maximum heat rejection	2400 BTU/hr (703 Watts)
Shipping size (width x depth x height)	43.00" x 35.00" x 82.00" (109.2 x 88.9 x 208.3 cm)
Approximate refrigeration module net weight	88 lb (40 kg)
Approximate net weight	FZR20-LB models – 340 lb (154 kg) FZR25-LB models – 370 lb (168 kg)
Approximate ship weight	FZR20-LB models – 440 lb (200 kg) FZR25-LB models – 470 lb (213 kg)

NOTE: For indoor use only

SHORT FORM SPECIFICATION: Upright freezer with (choose one) \_\_\_ 19.7 cu ft \_\_\_ 24.6 cu ft of nominal capacity. (4) full, epoxy-coated shelves, adjustable in 1/2" increments. Environmentally responsible R404a refrigeration system to include an integral top-mounted module with 3/4 hp compressor and air-cooled condenser. Display to be 3.00" (7.62 cm) LCD with 0.1 degree resolution and be user selectable to C or F for display and alarming. 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 90° hospital-grade plug. UL listed.