



# FZR25 Upright

## -30 C plasma 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 eight 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
- meets AABB, ARC and FDA standards for blood plasma storage

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
- 6.00" (15.24 cm) 7-day chart recorder standard with 50 Celsius charts
- dry contacts for remote alarming

Superior drawer system for easy, trouble-free rolling

- eight full-extension stainless steel drawers store up to (472) 300 ml plasma cardboard packs
- stainless steel roller bearings and S-track design eliminate binding and uneven wear
- drawers and slides lift out without tools for easy cleaning
- track/drawer interface minimizes risk of catching product tubing in slides

Full stainless steel cabinet and high quality components

- full stainless steel interior and exterior provide resistance to rust and corrosion
- quick connect top and bottom RTD product temperature probes 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

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 loading

Warranty

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

Upright freezers, 115 V/60 Hz			
Storage system	Hinging	Keypad	Item number
8 drawers	right	yes	<b>FZR25-PL-RHTKPS</b>
8 drawers	right	no	<b>FZR25-PL-RHT00S</b>
8 drawers	left	yes	<b>FZR25-PL-LHTKPS</b>
8 drawers	left	no	<b>FZR25-PL-LHT00S</b>

Job

Item

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## Factory-installed options

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

Integral keypad with 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.

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## Accessories

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

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)

Glycerine, 16 oz (item# 00959296)

Additional key (item# 01035013)

Wall bracket kit, seismic anchoring (item# 0927194)

NOTE: Accessories ship separately.

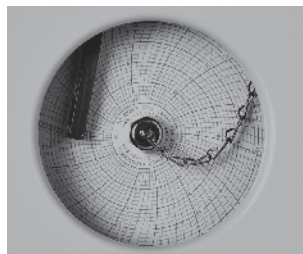
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Touchscreen display



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



## Specification

Nominal capacity	24.6 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

<b>W1</b> Width	29.75" (75.6 cm)
<b>D1</b> Depth with handle	36.50" (92.7 cm)
<b>H1</b> Height with casters	79.50" (201.9 cm)
Casters	(4) swiveling dual wheel casters with toe locks
<b>D2</b> Door swing	62.50" (158.8 cm)

### Interior

Height	55.94" (142.1 cm)
Storage system	(8) full-extension stainless steel drawers with shielded roller bearings and stainless S-tracks
Overall drawer dimensions	23.50" W x 26.71" L x 4.05" D (59.7 x 67.8 x 10.29 cm)
Inside drawer dimensions	22.50" W x 25.94" L x 3.00" D (57.2 x 65.4 x 7.62 cm)
Space between drawers	6.00" (15.24 cm)
Working load rating per drawer	78 lb (35 kg)
Max. load rating per drawer	117 lb (53 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 90° hold open feature
Gasket	magnetic dart style (replaceable)

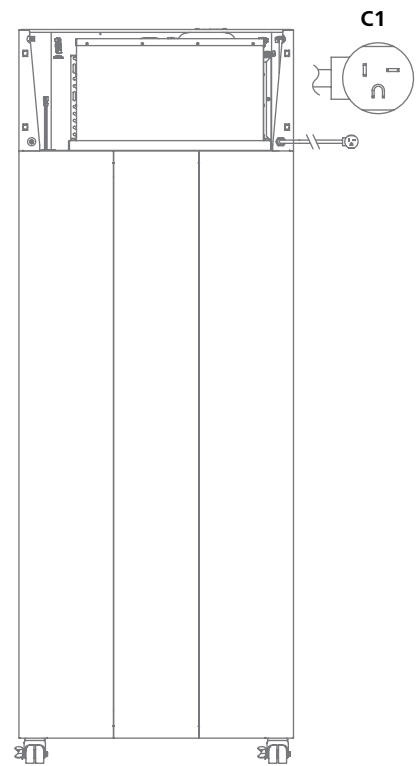
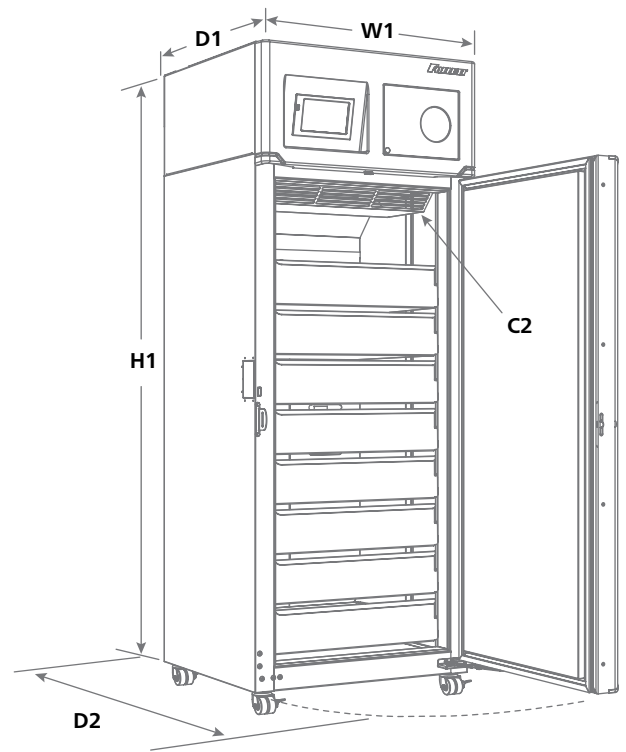
### Electrical

<b>C1</b> Electrical	12 run load amps, NEMA 5-20 120 V/60/1 (108 - 132 V) 90° hospital-grade plug. Max. fuse 20 amps, 9' (2.7 m) cord.
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### Controls

Temperature display	7" LCD capacitive touchscreen digital temperature display available in user-programmable C or F
<b>C2</b> 3rd party probe access	top right side of cabinet interior
Product temperature display probes	(2) quick-connect RTD (± 0.4 C, ± 0.7 F)
Temperature probe calibration	top 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	(2) 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 -17.8C (-35 to 0 F)
Factory preset	-30.6 C

## Dimensional drawing



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## Alarming

High and low product temperature alarm (top probe)	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
Alarm mute	10 minute ring-back
Alarm volume	0-10 scale
Low battery alert	audible and visual
Back-up battery status	shows voltage levels
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 -30 C (75 to -22 F) in 120 minutes
Product simulation bottle temperature pull down	24 to -30 C (75 to -22 F) in 240 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	515 lb (234 kg)
Approximate ship weight	615 lb (279 kg)

NOTE: For indoor use only

SHORT FORM SPECIFICATION: Upright freezer with 19.7 cu ft of nominal capacity. (8) full-extension stainless steel drawers with shielded roller bearings and stainless S-tracks. 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 90° hospital-grade plug. UL listed.

