

FZR25 Upright

-30 C plasma freezers



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 eight 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
- 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 CARB compliant non-HFC foam 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

| Model configurations | | | |
|----------------------|---------|--------|------------------------|
| Storage system | Hinging | Keypad | Item number |
| 8 drawers | right | yes | FZR25-PL-RHTKPS |
| 8 drawers | right | no | FZR25-PL-RHT00S |
| 8 drawers | left | yes | FZR25-PL-LHTKPS |
| 8 drawers | left | no | FZR25-PL-LHT00S |

Features (continued)

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



Commercial Refrigerator
SAFETY US/CA – SA12646

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.

Accessories

Replacement CRS (Complete Refrigeration System) module. 2 years parts, 5 years compressor parts, 2 years labor warranty. (item# 01007004)

Replacement “quick-connect” RTD probe with certificate of NIST-traceable calibration (item# 01140458)

Glycerine, 16 oz (item# 00959296)

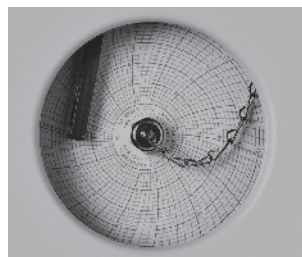
Wall bracket kit, seismic anchoring (item# 0927194)

NOTE: Accessories ship separately.

Touchscreen display



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



Specification

| | |
|-----------------------|---|
| Nominal capacity | 24.6 cu ft (697 L) |
| 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 | 36.50" (92.7 cm) |
| H1 Height with casters | 79.50" (201.9 cm) |
| Casters | (4) swiveling dual wheel casters with toe locks |
| D2 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" D x 4.05" H (59.7 x 67.8 x 10.29 cm) |
| Inside drawer dimensions | 22.50" W x 25.94" D x 3.00" H (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

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|-------------|--|
| 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) |

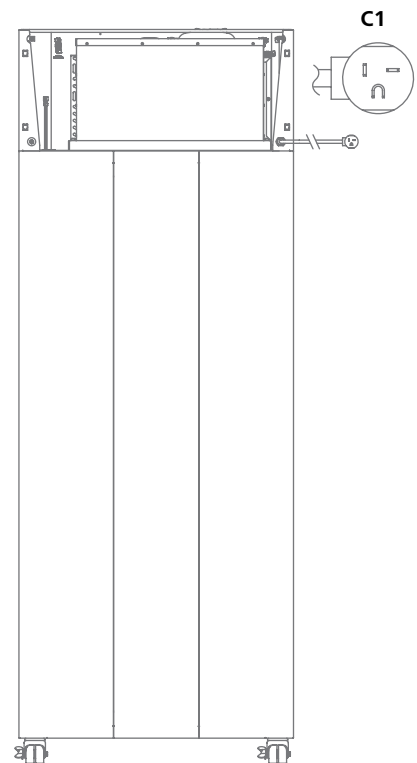
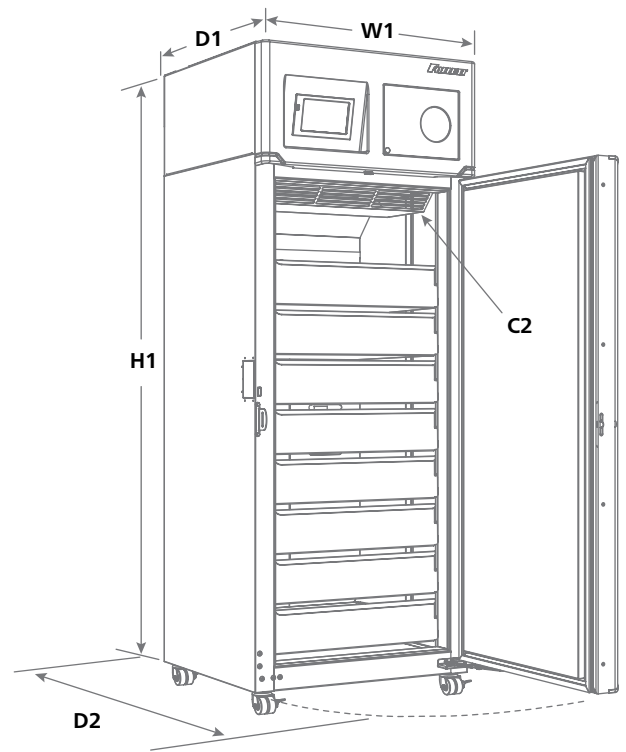
Electrical

| | |
|---|--|
| C1 Electrical | 12 run load amps, NEMA 5-20 90° hospital-grade plug. Max. fuse 20 amps, 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 |
| Maximum size of branch circuit overcurrent device | 20 amps dedicated circuit |
| Minimum voltage at compressor terminals | 97 Vac when energized |

Controls

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|------------------------------------|---|
| 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 | (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 |

Dimensional drawing



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| | |
|--------------------------------------|---|
| 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 |

Alarming

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|--|--|
| 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

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|-----------------|--|
| Information log | graphs or displays temperature data and displays chronological event data (50,000 data points) |
| Data export | USB export capabilities |

System performance

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|--|--|
| 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

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|---|---|
| Shipping size | 42.00" W x 43.00" D x 86.00" H (106.7 x 109.2 x 218.4 cm) |
| Approximate refrigeration module net weight | 88 lb (40 kg) |
| Approximate net weight | 515 lb (234 kg) |
| Approximate ship weight | 628 lb (285 kg) |

NOTE: For indoor use only

SHORT FORM SPECIFICATION: Upright freezer with 24.6 cu ft (697 L) 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 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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