

Infinity Series™

upright freezers



FZR20i-4S-RHT00S

Features

Patented "infinite speed" control technology delivers superior temperature, noise and energy management

- modular refrigeration system with variable capacity compressor and microprocessor controller provides a ± 1 C (1.8 F) temperature performance throughout the cabinet
- extremely quiet, 42 dBA

Superior air distribution

- industry-exclusive plenum air distribution delivers cold air at eight levels

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
- factory installed option available for integral Wi-Fi temperature monitoring and remote alarming (see page 6-7)

Protection for your valuable products

- UL certified to meet NSF/ANSI standard for vaccine storage
- audible and visual high/low temperature, door open, power failure, low battery alarms
- alarm test validates hi/lo alarm settings

Interchangeable storage options

- epoxy-coated "floating" shelves
- full-extension stainless steel drawers

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 1 year 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

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
- see page 2 for optional extended warranties

Certifications



Vaccine Freezer
NSF 456 – E524732
Commercial Freezer
SAFETY US/CA – E520098

Accessories

Replacement CRS (Complete Refrigeration System) module, all models (item# 01550870)

Replacement "quick connect" RTD probe with certificate of NIST-traceable calibration (item# 01540640)

FZR20i shelf kit (includes 1 shelf and 4 screws) (item# 01548809)

FZR25i shelf kit (includes 1 shelf and 4 screws) (item# 01548817)

FZR20i drawer kit (includes 1 drawer and glide hardware) (item# 01554492)

FZR25i drawer kit (includes 1 drawer and glide hardware) (item# 01554500)

Pyxis® compatible door bracket, all models (item# 00927202)

Omnicell® compatible door bracket, all models (item# 00966432)

medDISPENSE® compatible door bracket, all models (item# 00978296)

Glycerine, 16 oz (item# 00959296)

FZR20i/25i wall bracket kit, seismic anchoring (item# 00927194)

DicksonOne VFC-compliant freestanding display data logger with Wi-Fi and Ethernet capability for use with any refrigerator or freezer (item# 01528512). NOTE: Subscription from Dickson required to access data on the cloud.

DicksonOne VFC-compliant freestanding touchscreen data logger with Power Over Ethernet and Wi-Fi capability for use with any refrigerator or freezer (item# 01528538). NOTE: Subscription from Dickson required to access data on the cloud.

Ambient temperature and humidity sensor, right angle, for use with DicksonOne freestanding display and touchscreen data loggers (item# 01539691)

Optional extended one year warranty (item# EW12)

- 3 year parts and labor

- 5 year compressor parts only

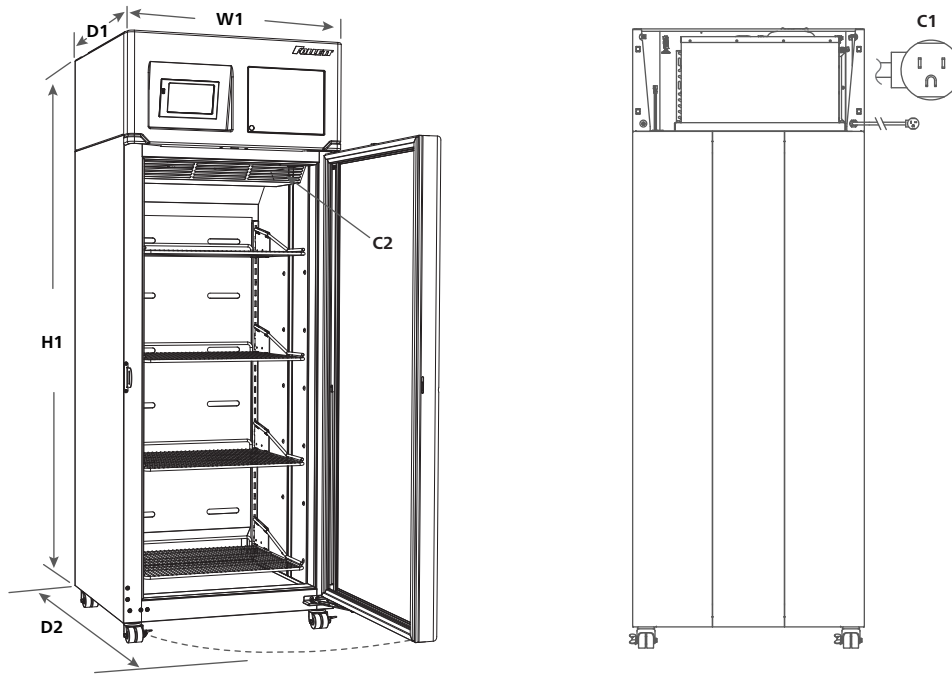
Optional extended three year warranty (item# EW36)

- 5 year parts and labor

For additional accessories, refer to the form# 8665.

NOTE: Accessories ship separately.

Dimensional drawing



Specification

Ventilation clearance 10.00" (25.4 cm) top, 2.00" (5.08 cm) back

Exterior

Casters (4) swiveling dual wheel casters with toe locks

D2 Door swing FZR20i – 56.50" (143.5 cm)
FZR25i – 62.50" (158.8 cm)

Interior

Storage system (4) shelves

Inside shelf dimensions FZR20i – 22.20" x 18.50" (56.4 x 47.0 cm)
W x D FZR25i – 22.20" x 24.40" (56.4 x 62.0 cm)

Working load rating per shelf FZR20i – 63 lb (29 kg)
FZR25i – 83 lb (38 kg)

Max. load rating per shelf FZR20i – 95 lb (43 kg)
FZR25i – 125 lb (57 kg)

Max. number of shelves 10

Inside drawer dimensions FZR20i – 22.50" x 19.94" x 3.00" (57.2 x 50.6 x 7.62 cm)
W X D X H FZR25i – 22.50" x 25.94" x 3.00" (57.2 x 65.4 x 7.62 cm)

Door configurations

Door solid stainless steel

Door lock cylinder type with one key

Door handle ADA-compliant, full length handle

Door hinges self-closing with 90° hold open feature

Gasket magnetic dart style (replaceable)

Electrical

C1 Electrical 7.5 run load amps, NEMA 5-15 90° hospital-grade plug. 9' (2.7 m) cord.
115 V/60/1(103 - 132 V)

Maximum size of branch circuit 15 amps dedicated circuit
overcurrent device

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 probe (1) 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	(1) 60 ml
Refrigeration and defrost probes	NTC thermistor type
Refrigeration cycle with probe error	factory set, user adjustable
Programmable operating range	-37.2 to -17.8 C (-35 to 0 F)
Factory preset	-30 C

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 – 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
Alarm output	12V DC

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
Refrigerant and charge	R290 refrigerant, 2.8 oz (80 grams)
Air circulation system	ducted air to each storage level through back plenum openings, front face return
Air temperature pull down	24 to -30 C (72 to -22F) in 120 minutes
Energy consumption (auto-off defrost)	FZR20i – 5.92 kWh/day FZR25i – 6.26 kWh/day
BTU/hr normal heat rejection (75 F ambient)	1090 BTU/hr (320 Watts)
BTU/hr maximum (total) heat rejection, at maximum compressor speed (75 F ambient)	FZR20i – 2630 BTU/hr (770 Watts) FZR25i – 2660 BTU/hr (780 Watts)

Shipping

Shipping size W x D x H	42.00" x 43.00" x 86.00" (106.7 x 109.2 x 218.4 cm)
Approximate refrigeration module net weight	67 lb (30 kg)
Approximate net weight	FZR20i – 379 lb (172 kg) FZR25i – 414 lb (188 kg)
Approximate ship weight	FZR20i – 449 lb (203 kg) FZR25i – 485 lb (220 kg)

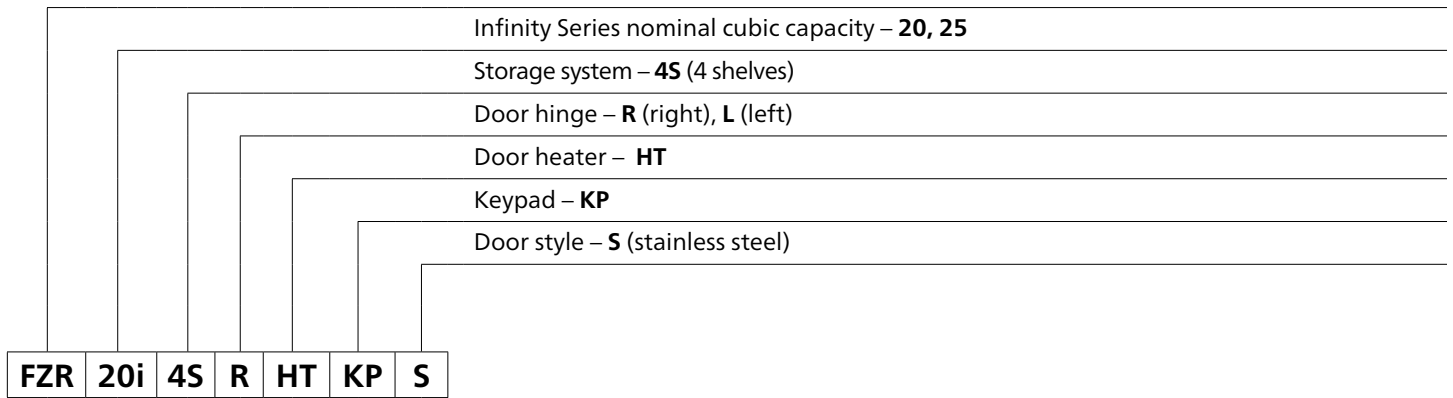
NOTE: For indoor use only

SHORT FORM SPECS:

Infinity Series upright freezers with variable capacity compressor (choose one) with ____ 19.7 cu ft (558 L) or ____ 24.6 cu ft (697 L) of nominal capacity. To include (choose one) ____ full, epoxy-coated "floating" shelves or ____ full extension, stainless steel drawers with shielded roller bearings and stainless S-tracks. Each unit comes standard with a quick-connect RTD probe with one-year certificate of NIST-traceable calibration. 7" LCD capacitive touchscreen with user selectable C or F. Integral data and event logging, user-programmable temperature display and integral alarming functions. 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 5-15 90° hospital-grade plug. Certified to meet NSF/ANSI 456 standard for vaccine storage.

Model configurations

Model – Freezer



Item number	Nominal cubic capacity cu ft (L)	Vaccine storage capacity cu ft (L)	Storage system	Hinging	Door style	Heated door	Keypad	Wi-Fi network card	Omnicell FlexLock-ready	W1 Width in (cm)	D1 Depth with handle in (cm)	H1 Height with casters in (cm)	Interior height in (cm)
FZR20i-4S-RHT00S	19.7 (558)	12.7 (360)	4 shelves	right	Stainless	yes	no	no	no	29.75 (75.6)	30.50 (77.5)	79.50 (201.9)	55.94 (142.1)
FZR25i-4S-RHT00S	24.6 (697)	16.8 (476)	4 shelves	right	Stainless	yes	no	no	no	29.75 (75.6)	36.50 (92.7)	79.50 (201.9)	55.94 (142.1)
FZR20i-4S-RHTKPS	19.7 (558)	12.7 (360)	4 shelves	right	Stainless	yes	yes	no	no	29.75 (75.6)	30.50 (77.5)	79.50 (201.9)	55.94 (142.1)
FZR25i-4S-RHTKPS	24.6 (697)	16.8 (476)	4 shelves	right	Stainless	yes	yes	no	no	29.75 (75.6)	36.50 (92.7)	79.50 (201.9)	55.94 (142.1)
FZR20i-4S-LHT00S	19.7 (558)	12.7 (360)	4 shelves	left	Stainless	yes	no	no	no	29.75 (75.6)	30.50 (77.5)	79.50 (201.9)	55.94 (142.1)
FZR25i-4S-LHT00S	24.6 (697)	16.8 (476)	4 shelves	left	Stainless	yes	no	no	no	29.75 (75.6)	36.50 (92.7)	79.50 (201.9)	55.94 (142.1)
FZR20i-4S-LHTKPS	19.7 (558)	12.7 (360)	4 shelves	left	Stainless	yes	yes	no	no	29.75 (75.6)	30.50 (77.5)	79.50 (201.9)	55.94 (142.1)
FZR25i-4S-LHTKPS	24.6 (697)	16.8 (476)	4 shelves	left	Stainless	yes	yes	no	no	29.75 (75.6)	36.50 (92.7)	79.50 (201.9)	55.94 (142.1)

Wi-Fi remote monitoring models

Follett refrigerator with Wi-Fi based cloud communication functionality for continuous temperature monitoring and remote alarming. The network interface card (NIC) is a factory-installed option. See models ending in "N" on page 7.

Features

- monitor real-time temperature information from anywhere
 - log in from any computer or device
 - get alerts via email, text or phone
 - receive on-demand and scheduled pre-configured or customized reports
 - take and document corrective action, when needed, for regulatory compliance and quality control
 - log history available for active cloud service subscriptions
 - manage one or thousands of units from one location
 - alarm templates to notify the designated people for each unit
 - cloud services provided in partnership with Dickson
 - subscription from Dickson required to access data on the cloud
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Network connection requirements

- the NIC device requires an IEEE 802.11 b/g/n compatible Wi-Fi network to access internet
 - the required FollettConnect app must be downloaded for the latest Apple (iOS)/Android software (free)
 - support is provided for the latest and two previous versions of iOS/Android software needed to use the FollettConnect app
 - working Wi-Fi router with access to internet is required to connect to DicksonOne to configure the network connection (subscription required)
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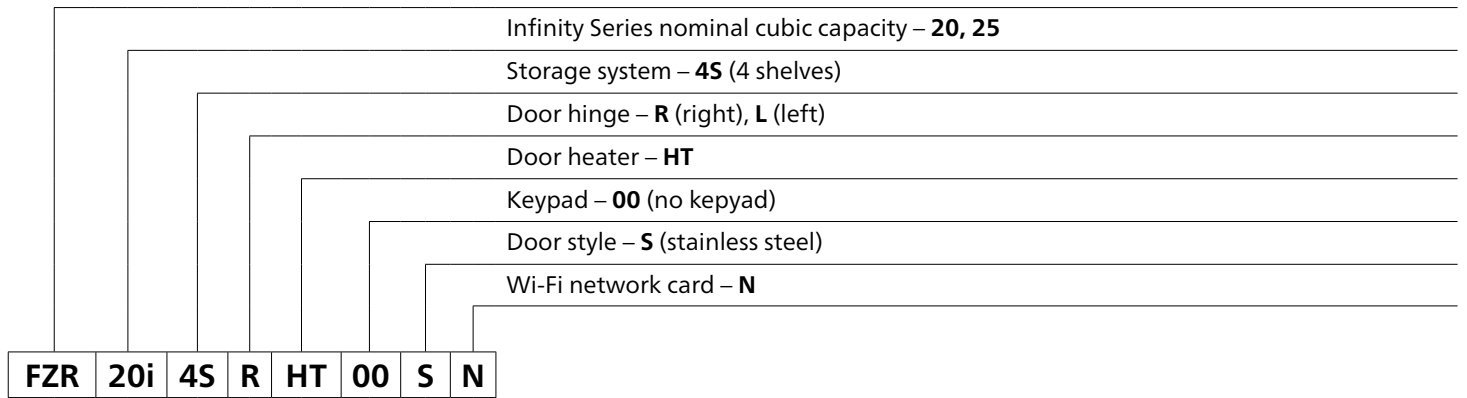
Security

- the NIC device utilizes TLS to ensure a secure connection between the device and cloud server, and it supports the following encryption methods:
 - Open (shared) - Not recommended¹
 - WPA PSK
 - WPA2 PSK/TKIP
 - WPA2 PSK AES
 - WPA2 PSK AES and TKIP

¹ Any "splash" or login screens required for network access are not compatible with the device. Example: Typical hotel or guest Wi-Fi networks.

Wi-Fi remote monitoring model configurations

Model – Freezer



Item number	Nominal cubic capacity cu ft (L)	Vaccine storage capacity cu ft (L)	Storage system	Hinging	Door style	Heated door	Keypad	Wi-Fi network card	Omnicell FlexLock-ready	W1 Width in (cm)	D1 Depth with handle in (cm)	H1 Height with casters in (cm)	Interior height in (cm)
FZR20i-4S-RHT00SN	19.7 (558)	12.7 (360)	4 shelves	right	stainless	yes	no	yes	no	29.75 (75.6)	30.50 (77.5)	79.50 (201.9)	55.94 (142.1)
FZR25i-4S-RHT00SN	24.6 (697)	16.8 (476)	4 shelves	right	stainless	yes	no	yes	no	29.75 (75.6)	36.50 (92.7)	79.50 (201.9)	55.94 (142.1)
FZR20i-4S-LHT00SN	19.7 (558)	12.7 (360)	4 shelves	left	stainless	yes	no	yes	no	29.75 (75.6)	30.50 (77.5)	79.50 (201.9)	55.94 (142.1)
FZR25i-4S-LHT00SN	24.6 (697)	16.8 (476)	4 shelves	left	stainless	yes	no	yes	no	29.75 (75.6)	36.50 (92.7)	79.50 (201.9)	55.94 (142.1)

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Infinity Series upright freezers

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