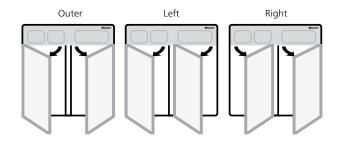






Model configurations						
Storage system	Hinging	Heated door	Keypad	Door style	Item number	
12 baskets	outer	no	yes	glass	REF45-PH-000KPG	
12 baskets	outer	no	yes	stainless steel	REF45-PH-000KPS	
12 baskets	outer	no	no	glass	REF45-PH-00000G	
12 baskets	outer	no	no	stainless steel	REF45-PH-00000S	
12 baskets	right	no	no	glass	REF45-PH-R0000G	
12 baskets	left	no	no	glass	REF45-PH-L0000G	



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 center plenum air distribution delivers cold air to both sides at six different levels
- auto-evaporating condensate

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

Superior slides for easy, trouble-free rolling

- twelve (six per side) full-extension epoxy-coated baskets
- stainless steel roller bearings and S-track design eliminate binding and uneven wear
- baskets and slides lift out without tools for easy cleaning
- track/basket 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
- easily accessible quick-connect RTD product temperature probe
- 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

- dual-pane glass door or solid stainless door with ADA-compliant full length locking handle
- energy efficient low-E glass coating to reduce energy loss by 30 50% compared to non-coated glass
- glass remains condensation-free to 27 C (80 F) at 60% RH and eliminates need for heated doors in most applications
- self-closing hinges lock open at 90 degrees for easy product loading

Cool, energy-efficient LED lights

- full length LED light bars illuminate all baskets
- energy-efficient LEDs allow products to be placed next to lights
- auto on with door opening; ON/OFF front panel switch



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 (applied to all products unless otherwise noted)



Options and accessories¹

Replacement "quick connect" RTD probe with certificate of NIST-traceable calibration, REF12, REF20/25, REFVAC20/25, REF45 and REFVAC45 before serial number Q86639, FZR20/25 and FZRVAC20/25 (item# 01140458)

Replacement "quick connect" RTD probe with certificate of NIST-traceable calibration, REF45 and REFVAC45 after serial number Q86638 (item# 01540640)

Replacement high-side refrigeration module (complete condensing unit) (item# 01147891)

Pyxis® compatible door bracket, available on one outside handled door of right or left hinged models only (item# 00927202) Omnicell® compatible door bracket, available on one outside handled door of right or left hinged models only (item# 00966432) medDISPENSE® compatible door bracket, available on one outside handled door of right or left hinged models only (item# 00978296)

Glycerine, 16 oz (item# 00959296)

Wall bracket kit, seismic anchoring (item# 00927194)

NOTE: Accessories ship separately.

Touchscreen display



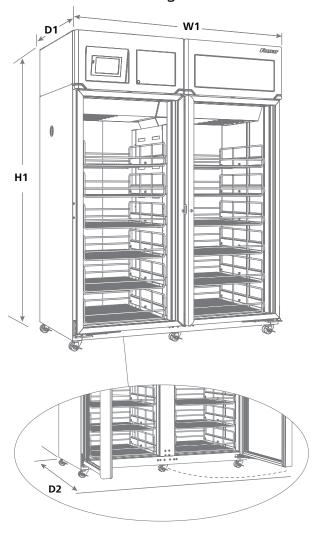
"Floating" basket system on PH models



¹ Certifications do not apply to options and accessories.

Specification		
Nominal capacity	45 cu ft (1274 L)	
Ventilation clearance	16.00" (40.6 cm) top,	
veritilation clearance	2.00" (5.08 cm) back	
Exterior		
W1 Width	59.75" (151.8 cm)	
D1 Depth with handle	33.55" (85.2 cm)	
H1 Height with casters	79.54" (202.0 cm)	
Casters	(6) swiveling dual wheel casters with toe locks	
D2 Door swing	59.55" (151.3 cm)	
Interior		
Height	54.31" (138.0 cm) with upper return panel	
Lighting	(2) energy efficient full length LED lights	
Storage system	(12) full-extension epoxy coated baskets	
Overall basket dimensions W x D x H	22.50" x 24.91" x 6.38" (57.2 x 63.3 x 16.21 cm)	
Inside basket dimensions	21.75" x 24.19" x 5.88"	
WxDxH	(55.2 cm x 61.4 x cm 14.94 cm)	
Space between baskets	8.00" (20.32 cm) fixed	
Max. load rating per basket	110 lb (50 kg)	
Door configurations		
Door	(2) dual-pane glass or stainless steel	
Door lock	cylinder type with one key per door	
Door handle	ADA-compliant, full length handle	
Door hinges	torsion rod self-closing with 90° hold open feature	
Gasket	magnetic dart style (replaceable)	
Electrical		
Electrical 115 V/60/1 (103 - 132 V)	12 full load amps, NEMA 5-20P, 90° hospital-grade plug, 9' (2.7 m) cord.	
Maximum size of branch circuit	20 amps dedicated circuit	
overcurrent device		
Controls		
Temperature display	7" LCD capacitive touchscreen digita temperature display available in user-programmable C or F	
3rd party probe access	soft access port on left side of cabinet	
Product temperature display probe	(1) 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 size	(1) 125 ml	
Refrigeration and defrost probes	NTC thermistor type	
Refrigeration cycle with probe error		
Programmable operating range	3.3 to 10 C (38 to 50 F)	
Factory preset	3.3 C	

Dimensional drawing



Alarming	
High and low product	audible and visual, user
temperature alarm (top probe)	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, adjustable
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 modules with 1/2 hp compressor and air-cooled condenser
Refrigerant and charge	non-CFC R134a refrigerant, 13 oz
Air circulation system	ducted air to each storage level through plenum openings
Air temperature pull down	27 to 4 C (80 to 39 F) in 30 minutes
Product simulation bottle temperature pull down	27 to 4 C (80 to 39 F) in 5 h 45 min (to 8 C (46 F) in 1 h 50 min)
Energy consumption	7.4 kWh/day (auto-off defrost)
BTU/hr normal heat rejection, includes duty cycle (75 F ambient)	1480 BTU/hr (434 W)
BTU/hr maximum (total) heat rejection, continuous operation (75 F ambient)	5240 BTU/hr (1536 W)
Shipping	
Shipping size W x D x H	70.00" x 48.00" x 83.00" (177.8 x 121.9 x 210.8 cm)
Approximate refrigeration condenser module net weight	52 lb (24 kg)
Approximate net weight	750 lb (340 kg)
Approximate ship weight	890 lb (404 kg)
NOTE: For indoor use only	

SHORT FORM SPECIFICATION: Upright double door refrigerator with 45 cu ft of nominal capacity. To include (12) full-extension, epoxy-coated baskets. Environmentally responsible R134a refrigeration system to include top-mounted modules with 1/2 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 distributes cold air to both sides at 6 different levels. 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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