Upright Refrigerators

pharmacy refrigerators with drawers

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 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 drawer system for easy, trouble-free rolling
- 12 (6 per side) full-extension stainless steel drawers
- 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 RTD product temperature probe 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

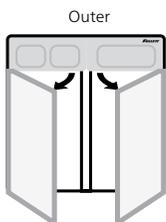**Heavy-duty door for ease of use and energy savings**
- dual-pane glass door(s) with ADA-compliant full length locking handle
- energy efficient low-E glass coating to reduce energy loss by 30 - 50% compared to non-coated glass
- glass remains condensation-free to 27 C (80 F) at 60% RH
- self-closing hinges lock open at 90 degrees for easy product loading

User programmable set points in C or F

Cool, energy-efficient LED lights
- full length LED light bars illuminate all drawers
- instant-on LEDs eliminate delay of fluorescent lights and deliver longer life
- energy-efficient LEDs allow products to be place next to lights
- auto on with door opening; ON/OFF front panel switch

Model configurations			
Storage system	Hinge location	Door style	**Item number**
12 drawers	outer	glass	**REF45-PD-00000G**

Outer

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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

UL CERTIFIED Commercial Refrigerator
SAFETY US/CA – SA12646

Accessories

Replacement "quick connect" RTD probe with certificate of NIST-traceable calibration before serial number Q86639 (item# 01140458)

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

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

Glycerine, 16 oz (item# 00959296)

Wall bracket kit, seismic anchoring (item# 00927194)

For additional accessories, refer to the form# 8665.
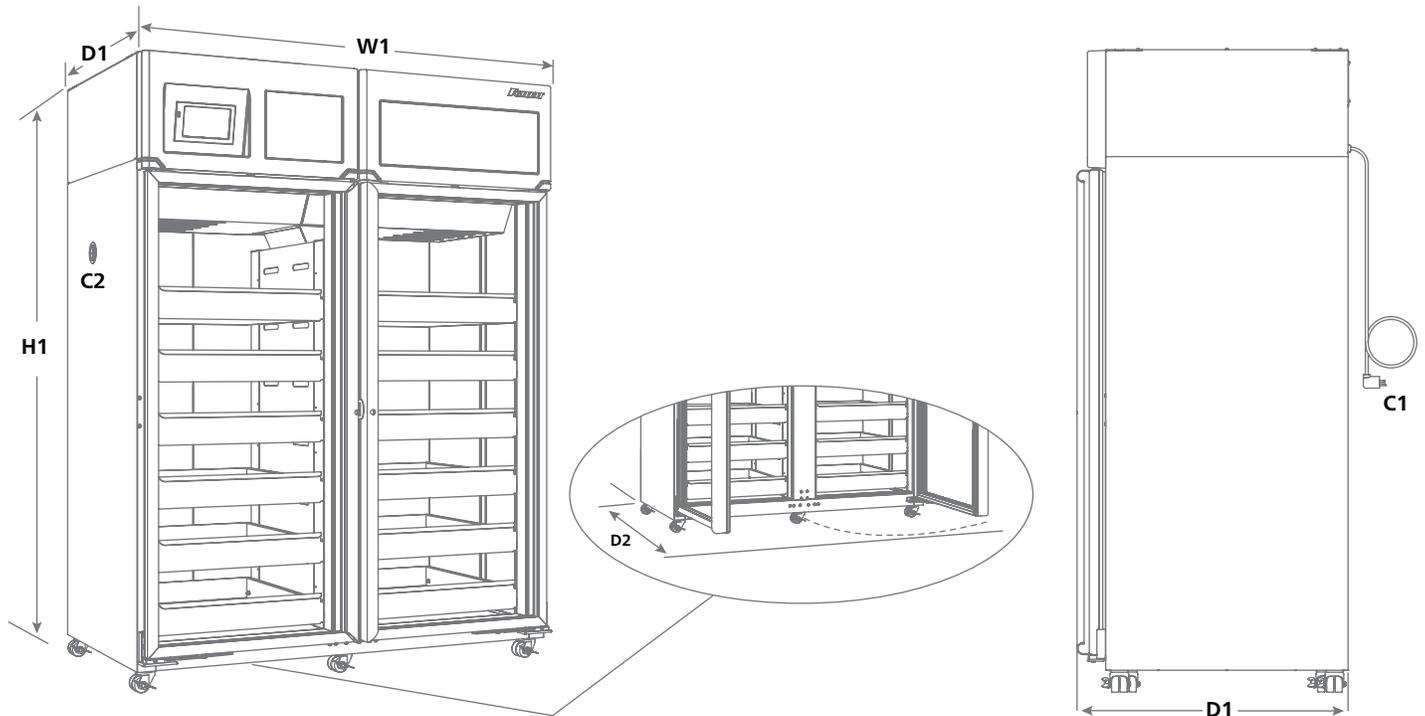
NOTE: Accessories ship separately

Controls

Temperature display	7" LCD capacitive touchscreen digital temperature display available in user-programmable C or F
C2 3rd party probe access	soft access port on left side of cabinet
Product temperature display probe	quick-connect RTD (± 0.4 C, ± 0.7 F)
Temperature probe calibration	probe calibration in 0.1º increments
Password protection PIN	4 digit password to prevent interface setting/selection changes
Date and time	programmable
Product simulation bottle size	125 ml
Refrigeration and defrost probes	NTC thermistor type
Refrigeration cycle with probe error	factory set at 2 min on, 6 off
Programmable operating range	3.3 to 10 C (38 to 50 F)
Factory preset	3.3 C

Alarming

High and low product temp. alarm	audible and visual
Power failure alarm	audible and visual
Door ajar alarm	audible and visual
Probe error alarm	audible and visual
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
Information log	graphs or displays temperature data and displays chronological event data (50,000 data points)
Data export	USB export capabilities

Dimensional drawing

Specification

Nominal capacity	45 cu ft (1274 L)
Ventilation clearance	16.00" (40.6 cm) top, 2.00" (5.08 cm) back

Exterior

W1 Width	59.75" (151.7 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)
Lighting	(2) energy efficient full length LED lights
Storage system	(12) full-extension stainless steel drawers (6 per side)
Inside drawer dimensions	22.50" W x 24.69" D x 3.00" H (57.5 cm x 62.7 cm x 7.62 cm)
Space between drawers	8.00" (20.32 cm) fixed
Max. load rating per drawer	117 lb (53 kg)

Door configurations

Door	(2) dual-pane glass
Door lock	cylinder type with one key per door
Door handle	ADA-compliant, full length
Door hinges	torsion rod self-closing with 90º hold open feature
Gasket	magnetic dart style (replaceable)

Electrical

C1 Electrical 115 V/60/1 (103 - 132 V)	12 full load amps, NEMA 5-20P, 90º hospital-grade plug. Max. fuse 20 amps, dedicated circuit, 9' (2.7 m) cord.

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 center plenum openings
Air temperature pull down	27 to 4 C (80 to 39 F) in 60 minutes
Product simulation bottle temperature pull down	27 to 4 C (80 to 39 F) in 6 h (to 6 C (43 F) in 2 h 40 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	70.00" W x 48.00" D x 83.00" H (177.8 x 121.9 x 210.8 cm)
Approximate refrigeration condenser module net weight	52 lb (24 kg)
Approximate net weight	790 lb (359 kg)
Approximate ship weight	930 lb (422 kg)
NOTE: For indoor use only	

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