



# REF25 Upright

## blood bank refrigerators

### 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 six different levels
- frost-free and auto-evaporating condenser
- meets AABB, ARC and FDA standards for blood storage at 4 C

#### 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
- integral 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

- six full-extension stainless steel drawers store up to (432) 450 ml bags
- 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 CFC-free foam insulation throughout

#### Heavy-duty door for ease of use and energy savings

- dual-pane glass 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 loading

Model configurations					
Storage system	Hinging	Heated door	Keypad	Door style	Item number
6 drawers	right	yes	yes	glass	<b>REF25-BB-RHTKPG</b>
6 drawers	right	yes	no	glass	<b>REF25-BB-RHT00G</b>
6 drawers	right	no	yes	glass	<b>REF25-BB-R00KPG</b>
6 drawers	right	no	no	glass	<b>REF25-BB-R0000G</b>
6 drawers	left	yes	yes	glass	<b>REF25-BB-LHTKPG</b>
6 drawers	left	yes	no	glass	<b>REF25-BB-LHT00G</b>
6 drawers	left	no	yes	glass	<b>REF25-BB-L00KPG</b>
6 drawers	left	no	no	glass	<b>REF25-BB-L0000G</b>

Job

Item

801 Church Lane | Easton, PA 18040, USA  
1.800.523.9361 | 1.610.252.7301 | folletthealthcare.com

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## Features (continued)

### 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 placed next to lights
- auto on with door opening; ON/OFF front panel switch

### Warranty

- 2 years parts, 5 years compressor parts, 2 years labor

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## Factory-installed options

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

Heated glass door and frame (recommended for ambients above 27 C (80 F), 60% RH)

Integral keypad and 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)

Glycerine, 16 oz (item# 00959296)

Additional key (item# 00945436)

Wall bracket kit, seismic anchoring (item# 00927194)

NOTE: Accessories ship separately.

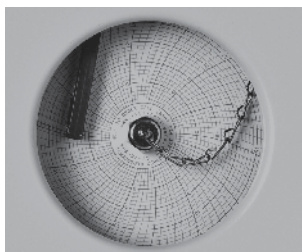
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Touchscreen display



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



## Specification

Nominal capacity	24.6 cu ft
Ventilation clearance	10.00" (25.4 cm) top, 2.00" (5.08 cm) back

## 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)
Lighting	(2) energy efficient full length LED lights
Storage system	(6) 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	8.00" (20.32 cm)
Working load rating per drawer	78 lb (35 kg)
Max. load rating per drawer	117 lb (53 kg)

## Door configurations

Door	dual-pane glass 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)

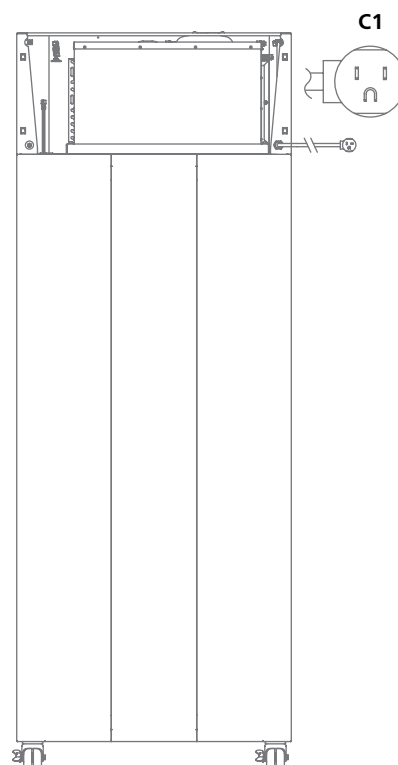
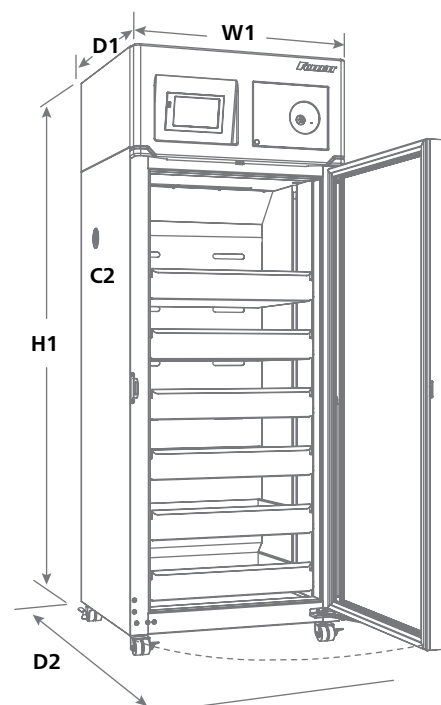
## Electrical

<b>C1</b> Electrical	8.4 run load amps, NEMA 5-15 115 V/60/1 (103 - 132 V)
	90° hospital-grade plug. Max. fuse 15 amps, 9' (2.7 m) cord.

## Controls

Temperature display	7" LCD capacitive touchscreen digital temperature display available in user-programmable C or F
<b>C2</b> 3rd party probe access	soft access port on left side of cabinet
Product temperature display probe	(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 size	(2) 125 ml
Refrigeration and defrost probes	NTC thermistor type
Refrigeration cycle with probe error	factory set at 4 min on, 8 off, user adjustable
Programmable operating range	2.2 to 10 C (36 to 50 F)
Factory preset	3.3 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 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 module with 1/3 hp compressor and air-cooled condenser
Refrigerant and charge	Non-CFC R134a refrigerant, 11.4 oz
Air circulation system	ducted air to each storage level through back plenum openings, front face return
Air temperature pull down	24 to 5 C (75 to 41 F) in 40 minutes
Product simulation bottle temperature pull down	24 to 5 C (75 to 41 F) in 120 minutes
Energy consumption	5.4 kWh/day (auto-off defrost)
BTU/hr normal heat rejection, includes duty cycle (75 F ambient)	1060 BTU/hr (311 Watts)
BTU/hr maximum (total) heat rejection, continuous operation (75 F ambient)	3210 BTU/hr (941 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	62 lb (28 kg)
Approximate net weight	440 lb (200 kg)
Approximate ship weight	525 lb (238 kg)
NOTE: For indoor use only	

**SHORT FORM SPECIFICATION:** Upright refrigerator with 24.6 cu ft of nominal capacity. To include (6) full-extension stainless steel drawers with shielded roller bearings and stainless S-tracks. Environmentally responsible R134a refrigeration system to include an integral top-mounted module with 1/3 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 5-15 90° hospital-grade plug. UL listed.

