

REF5BBP-T Performance Plus

blood bank undercounter refrigerator



Solid door standard

Optional glass door

| Model configurations | | | | |
|---------------------------|-----------------------------|-------------------------|--------------------|-------------------------|
| Controls | Hinge location ¹ | Keypad | Door configuration | Item number |
| 7" LCD touchscreen | right | no | stainless | REF5BBP-TR-00-00 |
| | | no | glass | REF5BBP-TR-00-GD |
| | left | yes | stainless | REF5BBP-TR-KP-00 |
| | | yes | glass | REF5BBP-TR-KP-GD |
| | | no | stainless | REF5BBP-TL-00-00 |
| | | no | glass | REF5BBP-TL-00-GD |
| yes | stainless | REF5BBP-TL-KP-00 | | |
| yes | glass | REF5BBP-TL-KP-GD | | |

¹ As facing the unit.

Options and accessories

- Glass door
- Keypad and electronic lock
- Replacement NTC probe with NIST-traceable certificate of calibration (item# 01077841)
- Extra shelf (item# 01059484)
- Universal ADC-compatible bracket (for all medication dispensing system locks) (item# 01059096)
- Glycerine, 16 oz (item# 00959296)
- Stacking kit (Performance Plus on Performance Plus) (item# 01054006)
- Stacking kit (REF/FZR Series on Performance Plus) (item# 01067172)
- Temperature alarm with dry contacts for remote alarming (item# 00112185)
- Pedestal base, 23.75" wide x 24.00" deep x 17.00" high (60.3 x 61.0 x 43.2 cm), stainless (item# 01059120)
- Extra key (item# 01059112)
- Casters (set of 4 with spacers) (item# 01053636)
- Wall mount kit (item# 00153700)
- Seismic bracket kit (item# 01059104)

Features

Superior temperature performance

- custom-designed microprocessor temperature controller
- air-cooled refrigeration system with heavy duty 1/5 horsepower compressor
- environmentally friendly, non-CFC R134a refrigerant
- programmed automatic defrost every 8 hours
- cabinet-wide temperature remains within ± 1 C (1.8 F), even with frequent door openings

Convenience and security

- fits below 36.00" (91.4 cm) standard countertops without casters
- refrigeration system settings accessed through door-mounted controls
- 7" LCD capacitive touchscreen digital temperature display available in user-programmable C or F with choice of product or air temperature
- integral event and data logging with easy downloading via convenient USB port
- user-programmable audible and visual high/low alarms
- mechanical lock – mounted on side of door
- lockable controller so setpoints cannot be inadvertently changed
- dry (NO and NC) contacts for connection to remote alarm systems
- temperature surveillance module (7 day analog chart recorder)
- flexible internal storage configuration (drawers and shelves interchangeable)
- lighted cabinet
- Agion[®] antimicrobial and UV product protection added to molded plastic façade¹

Durability and serviceability

- stainless steel construction on exterior and interior
- two stainless steel drawers standard
- back wall evaporator and front ventilation (no top, back or side clearance required)
- heavy-duty edge-mount self-closing hinges
- right or left-hinged door with integral handle and magnetic gasket door closure provides ease-of-use

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

¹ Disclaimer: Antimicrobial protection is limited to the plastic façade.

Specification

| | |
|-------------------------|--|
| Nominal capacity | 4.5 cu ft (127 L) / (60) 450 ml blood bags |
| Ventilation clearance | 0.0" for top, side and back clearance |
| Exterior | |
| W1 Width | 23.75" (60.3 cm) |
| D1 Depth cabinet | 25.62" (65.1 cm) |
| Depth with façade | 27.00" (68.6 cm) |
| H1 Height | 34.00" (86.4 cm) |
| Height with casters | 36.50" (92.7 cm) |
| Door swing | 24.00" (60 cm) from front of cabinet, 180° from closed |

Interior

| | |
|----------------|--|
| Width | 19.75" (50.2 cm) |
| Depth | 18.32" (46.5 cm) |
| Height | 21.54" (54.7 cm) |
| Storage system | (2) full extension stainless steel drawers 18.00" x 14.50" x 3.00" (45.7 cm x 36.8 cm x 7.62 cm) |

Door configurations

| | |
|---------------------|--|
| Door | solid, foamed stainless 21.50" x 22.51" x 1.63" (54.6 cm x 57.2 cm x 4.0 cm) |
| Optional glass door | triple pane, low E glass window dimensions 16.30" x 10.90" (41.4 cm x 27.7 cm) |
| Door lock | cylinder lock |
| Door handle | molded into front façade |
| Door hinges | edge-mount, self-closing, right or left |
| Gasket | magnetic |

Electrical

| | |
|---|--|
| C1 115 V/60/1 electrical | 4.1 run load amps, NEMA 5-15P 90° hospital-grade plug . PVC, SJT, 16GA, 7' (2.1 m) cord. |
| Maximum size of branch circuit overcurrent device | 15 amps dedicated circuit |

Controls

| | |
|----------------------------------|--|
| Temperature display | 7" capacitive touchscreen |
| C2 3rd party probe access | rear access port |
| Factory preset | 4.4 C |
| Date and time | programmable |
| Controller security | choose "on" or "off" — 4 digit password to prevent interface setting/selection changes |
| Product simulation bottle | (1) 125 ml |
| Programmable operating range | 1.1 to 10 C (34 to 50 F) |

Alarming

| | |
|--|--|
| High and low product temperature alarm | audible and visual, user programmable setpoints in C or F |
| Probe error alarm | audible and visual — product temperature probes, refrigeration and defrost |
| Alarm mute | user selectable |
| Alarm volume | 0 -10 adjustable |
| Min/max temperature log | shows highest and lowest product temperature since last reset occurred |

| | |
|-----------------|---------------------------------|
| Remote contacts | NO/NC standard, located on back |
|-----------------|---------------------------------|

System performance

| | |
|-------------------------------------|-------------------------|
| Refrigerant and charge | R134a refrigerant, 9 oz |
| Energy consumption | 1.8 kWh/day |
| Nominal heat rejection ¹ | 415 BTU/hr (122 W) |
| Max heat rejection | 2185 BTU/hr (640 W) |

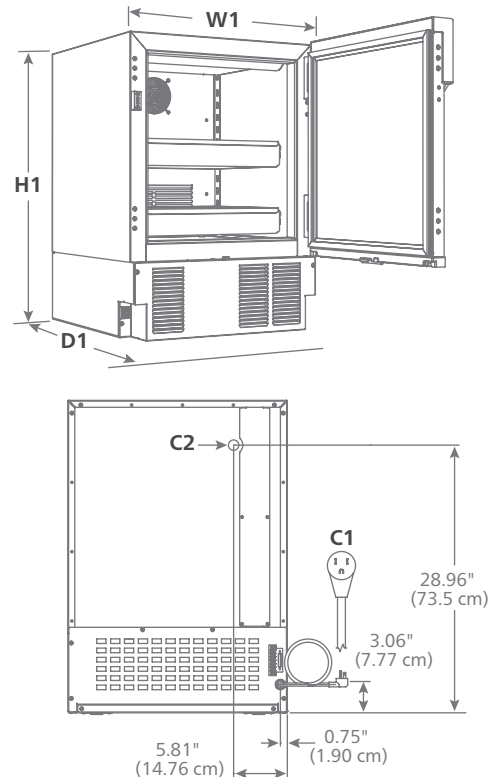
Shipping

| | |
|-------------------------|----------------|
| Approximate net weight | 170 lb (77 kg) |
| Approximate ship weight | 205 lb (93 kg) |

NOTE: For indoor use only

SHORT FORM SPECIFICATION: Performance Plus blood bank refrigerator for freestanding or undercounter use, with choice of solid stainless steel or glass door fits under 36.00" (91.4 cm) standard height counter with 4.5 cubic feet (127 L) of nominal capacity. Includes (2) full extension stainless steel drawers which store up to (60) 450 ml blood bags. Environmentally responsible R134a forced-air cooled refrigeration system. Top-mounted controls with LCD touchscreen display product or air temperature in user-selectable C or F. Event and data logging with USB download capability. Integral high and low temperature alarming. 7-day analog chart recorder. Storage area insulated with CARB compliant non-HFC foam. 7' (2.1 m) power cord with NEMA 5-15P 90° hospital-grade plug. UL and CUL listed.

Dimensional drawing



¹ Nominal heat rejection means heat rejection from a refrigerator in a 75 F (24 C) ambient with proper ventilation, an empty cabinet, default settings, default defrost schedules/durations, and nominal supply 115-120 VAC.

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REF5BBP-T blood bank refrigerator

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