

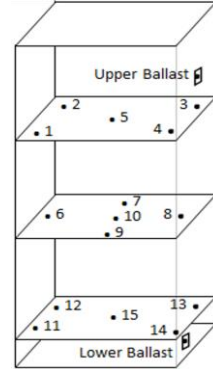
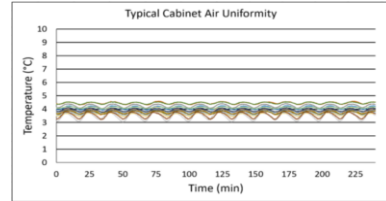
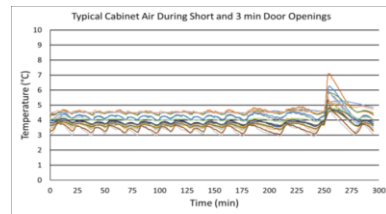
Product Description

Corepoint® Scientific Blood Bank Refrigerators are designed in accordance with FDA listed Class II medical devices. In addition, blood bank refrigerators also conform to the requirements set forth by AABB for the refrigerated cold storage of blood-based products.

Backed by optimal temperature control and EPA SNAP compliant refrigerants, these high-performance units protect blood, prevent waste, and allow for peak delivery. Corepoint® Scientific blood bank refrigerators utilize smart controllers and feature a full array of alarms, LED interior lighting, stainless steel interiors, sliding drawers and probe access port.

Images


| Temperature Probes ^{1,2} | | | |
|-----------------------------------|-----|-----|-----|
| Probe | Ave | Min | Max |
| 1 | 4.5 | 4.3 | 4.6 |
| 2 | 4.2 | 4.0 | 4.4 |
| 3 | 3.8 | 3.6 | 4.0 |
| 4 | 4.1 | 3.9 | 4.3 |
| 5 | 4.5 | 4.3 | 4.3 |
| 6 | 3.9 | 3.7 | 3.7 |
| 7 | 3.8 | 3.5 | 4.2 |
| 8 | 3.5 | 3.0 | 4.0 |
| 9 | 3.6 | 3.4 | 4.0 |
| 10 | 3.7 | 3.5 | 4.0 |
| 11 | 4.1 | 4.0 | 4.2 |
| 12 | 4.0 | 3.7 | 4.1 |
| 13 | 3.5 | 3.2 | 3.8 |
| 14 | 3.9 | 3.8 | 4.0 |
| 15 | 3.8 | 3.6 | 3.9 |
| Bal | 4.5 | 4.4 | 4.6 |
| Bag | 4.5 | 4.4 | 4.6 |


Temperature Charts³

Certifications

General Description and Application

| | |
|----------------------------------|--|
| Storage capacity (cu. ft) | 23 cu. ft gross volume |
| Door | Single Swing Solid Right Hinged Door |
| Shelves | N/A |
| Drawers | 7 drawers standard with option for 8th, 304 SS drawers, 65 lb. capacity each |
| Mounting and Installation | 4 swivel casters, front casters locking |
| Interior lighting | Shielded, switched LED lighting, full coverage, balanced spectrum |
| External probe access | Rear wall port (3/4" dia.) |
| Insulation | Cabinet is foamed-in-place with EPA compliant high density urethane foam |
| Exterior materials | White powder coated steel |
| Access control | Key Lock |
| General warranty | Two (2) years parts and labor warranty, excluding calibrations |
| Compressor warranty | Seven (7) years compressor warranty |
| Product Weight (lbs) | 338 |
| Shipping Weight (lbs) | 397 |
| Rated Amperage | 3 Amps |
| Power Plug/Power Cord | Hospital grade, NEMA 5-15, 9 ft nominal (2.7 m) |
| Facility Electrical Requirement | 110-120V AC: 15 A (minimum) |
| Agency Listing and Certification | FDA listed Class II medical device, 21CFR part 820 compliant, ETL, CETL Listed (certified to UL471 standard, hydrocarbon refrigerant safety) |

Performance

| | |
|--|---|
| Uniformity ¹ (Cabinet air) | +/- 0.7°C |
| Stability ² (Cabinet air) | +/- 0.5°C |
| Maximum temperature variation (Cabinet air) | +/- 0.8°C |
| Stability ² (Simulator ballast) | +/- 0.1°C |
| Stability ² (Simulator bag) | +/- 0.1°C |
| Temperature Rise after Short Door Openings | Temperature did not exceed 4.9°C at any probe |
| Recovery after Short Door Openings | All probes under 7.2°C throughout opening |
| Energy ³ Consumption (KWh/day) | 1.15 |
| Average ³ Heat Rejection (BTU/hr) | 2.25 |
| Noise Pressure Level (dBA) | 35 or less installed |

Performance data acquired at 22°C ambient, 4°C nominal set point in an empty cabinet with shelves using air probes, during stabilized steady state operation and a DAQ sampling rate of one measurement every 10 seconds

1 - Uniformity is defined as the maximum variance in temperature across all probes at any point in time over the testing period

2 - Stability is defined as the maximum variance in temperature experienced by any single probe over the testing period

3 - Data per Energy Star test results or equivalent testing and calculation. Heat rejection based on daily averages, not continuous operation. Performance exceeds Energy Star requirements.

Refrigeration System

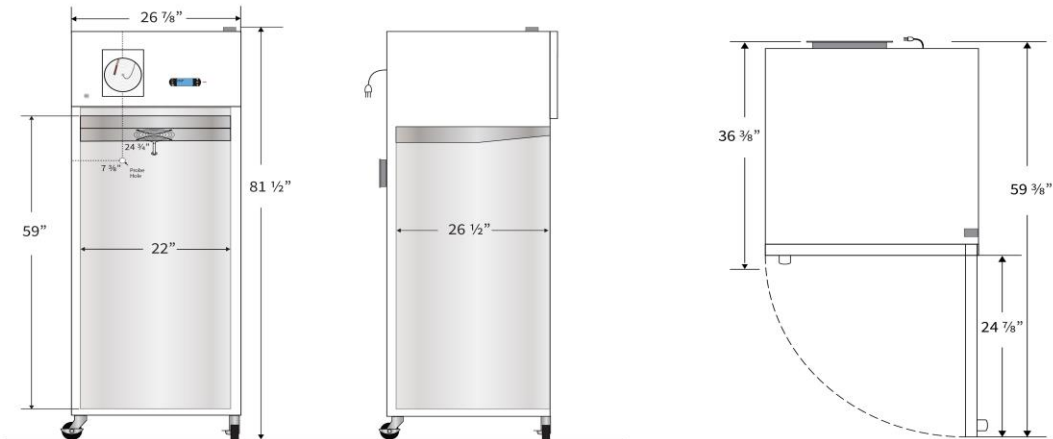
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|-------------|--|
| Compressor | Hermetic, variable speed (VSC). Rated speed range: 1300-4000 rpm |
| Refrigerant | EPA SNAP compliant, R600a, Isobutane |
| Condenser | Anti-fouling tube and grid design, ultra-quiet multi-speed fan |
| Evaporator | Fin and tube design, high efficiency fan |
| Defrost | Cycle optimized, zero energy |

Controller, Configuration, Alarms and Monitoring

| | |
|------------------------------|--|
| Controller technology | Proportional Integral Derivative (PID) microprocessor with LCD display |
| Battery Backup | 24V high capacity battery, controller, all alarms active, temperature monitoring DAQ and event logging active on battery backup |
| Display technology | Calibrated, Stainless Steel |
| Digital Communication | RS-485 (MODBUS) |
| Data Transfer | Non-applicable |
| Chart Recorder | 6" paper, inkless |
| Adjustable Temperature Range | 1°C to 10°C |
| External alarm connection | State switching remote alarm contacts |
| Alarms | Visual and audible indicators, Power failure, Temperature sensor failure, Battery voltage monitor and replacement, High / Low temperature, Door ajar |
| Simulator Ballast | Upper probe: 4 oz. (120 ml) bottle, 50% glycerol mixture. Lower probe: Solid thermal media |
| Disclaimers | Indoor use only, +18°C to +26°C (+65°F to +78°F), <70% RH |

Dimensions

| | Width (in.) | Depth (in.) | Height (in.) | Door Swing (in.) | Total open Depth (in.) |
|----------|-------------|-------------|--------------|------------------|------------------------|
| Exterior | 26 7/8" | 36 3/8" | 81 1/2" | 24 7/8" | 59 3/8" |
| Interior | 22" | 26 1/2" | 59" | | |



Contact

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Technical Service

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