

PH-BSI-NSF-S16S

Product Description

These cutting-edge pharmacy refrigerators are certified in accordance with the NSF/ANSI 456 Standard for Vaccine Storage. With this certification, units protect pharmaceuticals at optimal temperatures, preventing waste and allowing for peak delivery.

These solid door refrigerators utilize microprocessor controllers and feature temperature alarms, remote alarm contacts, and probe access ports with included probes. Units run on natural, hydrocarbon refrigerant for environmental health and energy efficiency.

General Description and Application

Description Single Solid Door Pharmacy/Vaccine Upright Refrigerator Operational environment Indoor use only, +18°C to +26°C (+65°F to +78°F), <70% RH

Storage capacity 16 cu. ft. gross volume

Door One swing solid door, self-closing, right hinged, non-reversible, magnetic sealed gasket, keyed

lock

Shelves Four shelves (three adjustable/one fixed) with guard rail on back

Mounting 3 1/2" Swivel Casters(two locking)

Interior lighting Shielded, switched LED lighting, full coverage, balanced spectrum

Airflow management Forced Air technology, patent pending

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 Pyxis®, Omnicell® and AcuDose RX® compatible

General warranty One (1) year parts and labor warranty, excluding display probe calibration

Compressor warranty Five (5) years compressor warranty

Product Weight 243 lbs.
Shipping Weight 283 lbs.
Rated Amperage 3 Amps

Power Plug/Power Cord NEMA 5-15 plug, 8 to 10 ft typical, conforms to UL471 requirements, Vaccine Storage power

cord warning label

Facility Electrical Requirement 110-120V AC: 15 A (minimum)

Agency Listing and Certification Certified with the temperature performance requirements as defined in the NSF/ANSI 456

Standard for Vaccine Storage for all testing scenarios. UL, C-UL, ETL, C-ETL listed and certified to

UL471 standard, hydrocarbon refrigerant safety.

Temperature monitor device (TMD) complies with the current CDC guidelines, with 3 years contification of calibration "buffored" probe in the product simulated solution min/max

certification of calibration, "buffered" probe in the product simulated solution, min/max

memory, field installable, and visual & audible temp alarm

Pharmacy refrigerator/freezer toolkit and temperature logs

Refrigeration System

Included Accessories

Compressor

Refrigerant

EPA SNAP compliant, R290, propane

Condenser

Fin and tube design, high efficiency fan

Evaporator

Fin and tube design, high efficiency fan

Cycle optimized, zero energy

Performance

Uniformity¹ (Cabinet air) +/- 0.9°C Stability² (Cabinet air) +/- 1.0°C Maximum temperature variation +/-1.2°C

(Cabinet air)

Temperature rise after 8 sec door

Temperature did not exceed 6.5°C at any probe for all required NSF/ANSI 456 testing

openings protocols³

Recovery after 3 min door opening All probes recover to under 8°C within 4.3 min.

Energy consumption 1.25 KWh/day⁴

Average heat rejection 1.97 KWh/day (280BTU/h)⁴

Noise pressure level (dBA) 48 or less installed

Pull down time to 4°C nominal operating 30 min temp

Controller, Configuration, Alarms and Monitoring

Controller technology Parametric, microprocessor, LED display with 0.1°C resolution

Temperature setpoint range 1°C to 10°C (Controller settings must remain unaltered to ensure thermal performance

compliant with NSF/ANSI 456 Standard for Vaccine Storage requirements)

Display probe Calibrated, stainless steel

External alarm connection State switching remote alarm contacts

Visual and audible indicators

Alarms High / Low temperature, compliant with alarm requirements defined in the NSF/ANSI 456

Standard for Vaccine Storage

Simulator ballast Glass bead thermal media

Performance data acquired at 22°C ambient, using NSF/ANSI 456 compliant validation ballast probes, empty chamber, 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 Temperature performance for all loaded and unloaded door opening protocols, all alarm, controller and probe requirements as defined in the NSF/ANSI 456 standard for vaccine storage
- 4 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.

Product Data Sheet

Upright 16 cu. ft. Solid Door Refrigerator, High Performance - Certified to NSF/ANSI 456 Standard for Vaccine Storage

Certifications

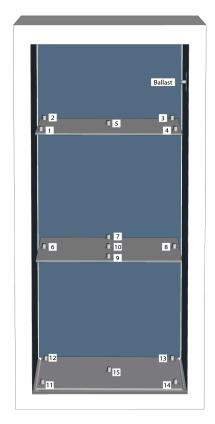


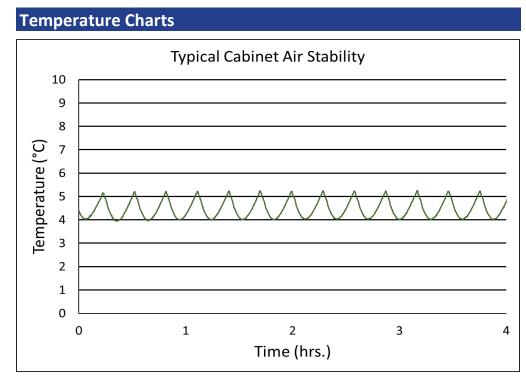


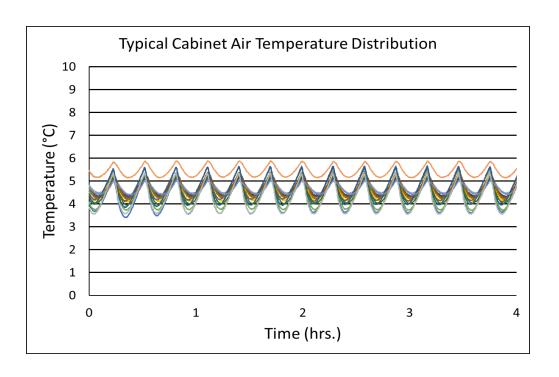


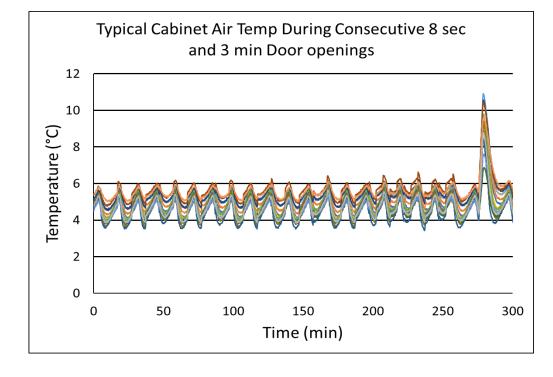
*-one or more of these certifications may apply to this unit.

Temperature Probes					
Probe	Ave	Min	Max		
1	4.3	3.4	5.4		
2	4.6	4.2	5.2		
3	4.7	4.4	5.2		
4	4.6	4.1	5.4		
5	4.6	4.2	5.3		
6	4.3	3.7	5.3		
7	4.6	4.3	5.2		
8	4.7	4.3	5.4		
9	4.7	4.1	5.6		
10	4.6	4.2	5.3		
11	4.6	3.8	5.7		
12	4.5	3.9	5.3		
13	4.7	4.4	5.1		
14	5.4	5.1	5.9		
15	4.3	3.5	5.4		











Product Data Sheet

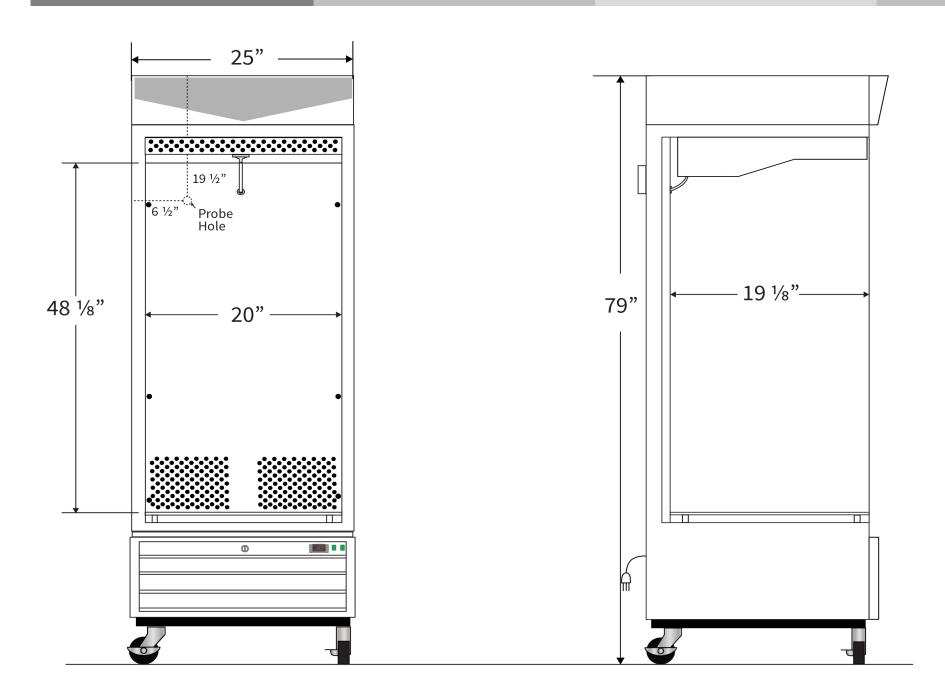
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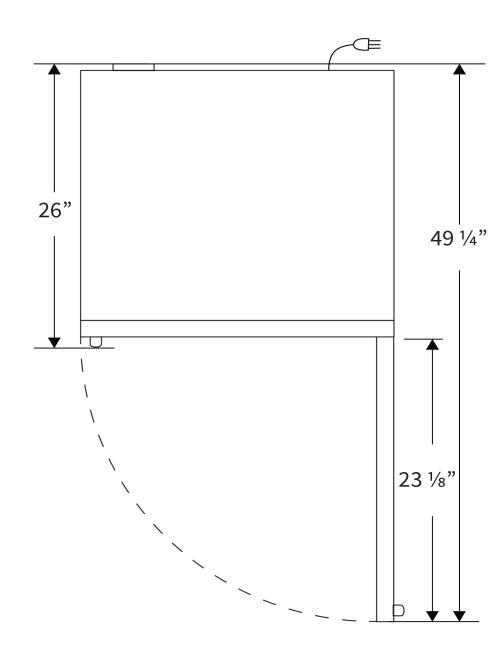
Images





Dimensions					
	Width	Depth	Height	Door Swing	Total open Depth
Exterior	25"	26"	79"	23 1/8"	49 1/4"
Interior	20"	19 1/8"	48 1/8"		





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