

PH-BSI-NSF-S12S

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

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

Storage capacity 12 cu. ft. gross volume

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

lock

Four shelves (three adjustable/one fixed) with guard rail on back Shelves 3 1/2" Swivel Casters(two locking)

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

Forced Air technology, patent pending Airflow management

Rear wall port (3/4") dia. External probe access

Insulation Cabinet is foamed-in-place with EPA compliant high density urethane foam

White powder coated steel Exterior materials

Pyxis®, Omnicell® and AcuDose RX® compatible Access control

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

Five (5) years compressor warranty Compressor warranty

Product Weight 256 Shipping Weight Rated Amperage

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

Temperature did not exceed 5.4°C at any probe for all required NSF/ANSI 456 testing protocols3

memory, field installable, and visual & audible temp alarm

Pharmacy refrigerator/freezer toolkit and temperature logs

Refrigeration System

Included Accessories

Hermetic, high performance Refrigerant EPA SNAP compliant, R290, propane Condenser Fin and tube design, high efficiency fan Evaporator Fin and tube design, high efficiency fan Defrost Cycle optimized, zero energy

Performance

(Cabinet air)

operating temp

Simulator ballast

Uniformity¹ (Cabinet air) +/- 0.7°C Stability² (Cabinet air) +/- 1.3°C Maximum temperature variation +/-1.1°C

Temperature rise after 8 sec door

Recovery after 3 min door opening

Energy consumption Average heat rejection

Noise pressure level (dBA) Pull down time to 4°C nominal All probes recover to under 8°C within 2.5 min

1.32 KWh/day4 2.21 KWh/day (315 BTU/h)4

49 or less installed

30 min

Controller, Configuration, Alarms and Monitoring

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

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

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

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

Standard for Vaccine Storage 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 12 cu. ft. Solid Door Refrigerator, High Performance -Certified to NSF/ANSI 456 Standard for Vaccine Storage

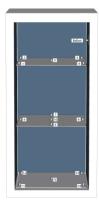




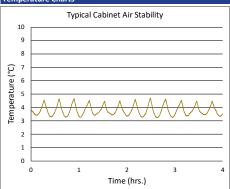


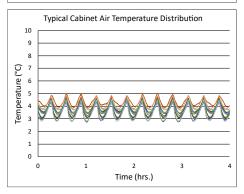
-one or more of these certifications may apply to this unit.

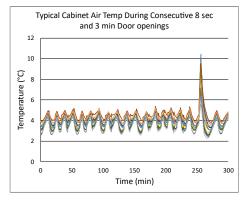
Temperature Probes							
Probe	Ave	Min	Max				
1	3.5	2.7	4.7				
2	3.8	3.4	4.5				
3	4.0	3.7	4.5				
4	3.7	3.1	4.7				
5	3.8	3.4	4.5				
6	3.9	3.4	4.7				
7	3.8	3.4	4.6				
8	4.3	3.9	5.0				
9	3.5	2.7	4.8				
10	3.8	3.2	4.7				
11	3.6	3.1	4.6				
12	3.6	3.1	4.4				
13	3.7	3.4	4.3				
14	4.2	3.8	4.9				
15	3.4	2.8	4.5				



Temperature Charts









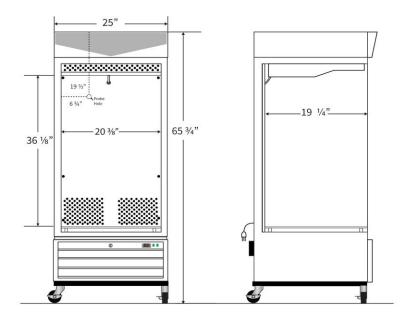
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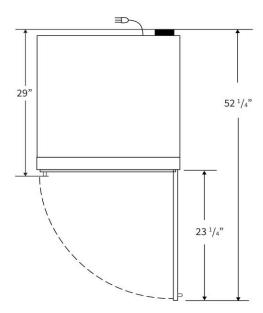
Images





Dimensions									
	Width	Depth	Height	Door Swing	Total open Depth				
Exterior	25"	29"	65 3/4"	23 1/4"	52 1/4"				
Interior	20 3/8"	19 1/4"	36 1/8"						





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