

PH-BSI-NSF-S49S

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

External probe access

Double 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 49 cu. ft. gross volume

Two swing solid doors, self-closing, non-reversible, magnetic sealed gaskets, keyed locks Door

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

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

Forced Air technology, patent pending

Airflow management

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

Rear wall port (3/4") dia. 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 452 Shipping Weight Rated Amperage 4.5 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, Energy Star Certified

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

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)

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

Temperature rise after 8 sec door

Recovery after 3 min door opening

1.45 KWh/day4 Energy consumption

Average heat rejection

3.15 KWh/day (448 BTU/h)4 Noise pressure level (dBA) 48 or less installed

Pull down time to 4°C nominal 45 min

operating temp

Simulator ballast

Controller, Configuration, Alarms and Monitoring

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)

Temperature did not exceed 6.0°C at any probe for all required NSF/ANSI 456 testing protocols3

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

All probes recover to under 8°C within 6.5 min

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



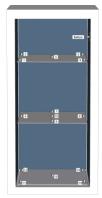




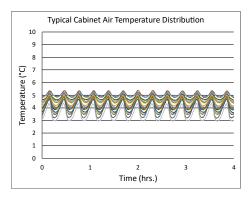


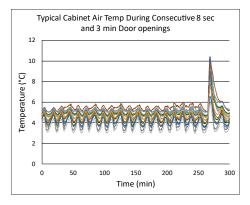
-one or more of these certifications may apply to this unit.

Temperature Probes								
Probe	Ave	Min	Max					
1	4.0	3.4	4.9					
2	4.7	4.3	5.2					
3	4.8	4.5	5.2					
4	4.2	3.5	5.1					
5	4.4	4.0	4.9					
6	4.7	4.4	5.1					
7	4.3	3.8	5.1					
8	5.0	4.8	5.4					
9	3.9	3.2	4.9					
10	4.3	3.8	4.9					
11	4.0	3.6	4.7					
12	4.8	4.6	5.1					
13	5.0	4.8	5.3					
14	4.5	4.1	5.1					
15	3.5	2.9	4.4					



Temperature Charts Typical Cabinet Air Stability 10 9 () () 6 **Temperature** 4 3 2 0 Time (hrs.)







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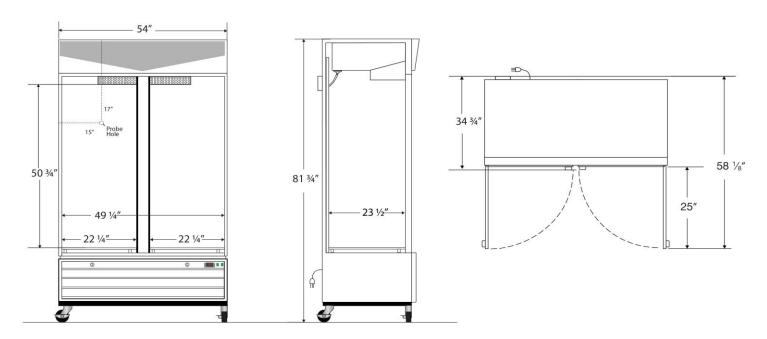
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Images





Dimensions							
	Width	Depth	Height	Door Swing	Total open Depth		
Exterior	54"	34 3/4"	81 3/4"	25"	58 1/8"		
Interior	49 1/4"	23 1/2"	50 3/4"				



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