

PH-BSI-NSF-UCBI-0420

Product Description

These built-in undercounter freezers are designed in accordance with the NSF/ANSI 456 Standard for Vaccine Storage. Units protect pharmaceuticals at optimal temperatures, preventing waste and allowing for peak delivery.

The freezers utilize microprocessor controllers and feature temperature alarms, remote alarm contacts, and probe access ports with included probes. Vaccine storage freezers utilize HFC-free refrigerant for environmental health and energy efficiency.

General Description and Application

Single Solid Door Pharmacy/Vaccine Undercounter Manual Defrost Freezer Built-In Description

Indoor use only, +18°C to +26°C (+65°F to +78°F), <70% RH Operational environment

4.2 cu. ft. gross volume Storage capacity

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

lock

Two shelves, fixed **Shelves**

Low profile roller wheels and leveling legs Mounting

N/A Interior lighting

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

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

White powder coated steel **Exterior materials**

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

Two (2) years parts and labor warranty, excluding display probe calibration General warranty

Compressor warranty Five (5) years compressor warranty

100 lbs. **Product Weight** 132 lbs. **Shipping Weight** 1.5 Amps Rated Amperage

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

cord warning label

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

Agency Listing and Certification Compliant with the thermal performance requirements as defined in the NSF/ANSI 456

Standard for Vaccine Storage for all testing protocols. UL, C-UL, ETL, C-ETL listed (either single

or dual agency listings) 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/max memory, field installable, and visual & audible temp alarm Pharmacy refrigerator/freezer

toolkit and temperature logs

Refrigeration System

Included Accessories

Hermetic, high performance Compressor EPA SNAP compliant, R600a, Isobutane Refrigerant Condenser Hybrid fin and tube with low noise fan Evaporator Integrated shelf evaporator design Defrost Manual

Performance

Uniformity¹ (Cabinet air) +/- 2.6°C +/- 2.1°C Stability² (Cabinet air) +/- 2.9°C Maximum temperature variation

(Cabinet air)

Temperature rise after 5 sec door Temperature did not exceed -17.5°C at any probe for all required NSF/ANSI 456 testing

openings protocols³

Recovery after 60 sec door opening All probes recover to under -15°C within 8.2 min.

0.97 KWh/day4 Energy consumption

Average heat rejection 1.97 KWh/day (224 BTU/h)4 Noise pressure level (dBA) 49 or less installed

Pull down time to nominal operating 51 min

Controller, Configuration, Alarms and Monitoring

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

Temperature setpoint range -15°C to -28°C (Controller settings must remain unaltered to ensure thermal performance

compliant with NSF/ANSI 456 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 Alarms

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

Undercounter 4.2 cu. ft. Built-In Vaccine Freezer - Certified to NSF/ANSI 456 Standard for Vaccine Storage

Certifications



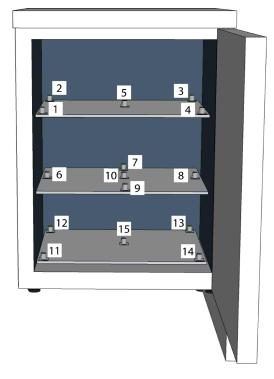


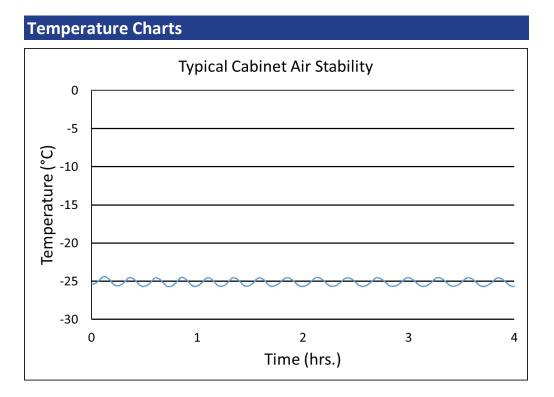


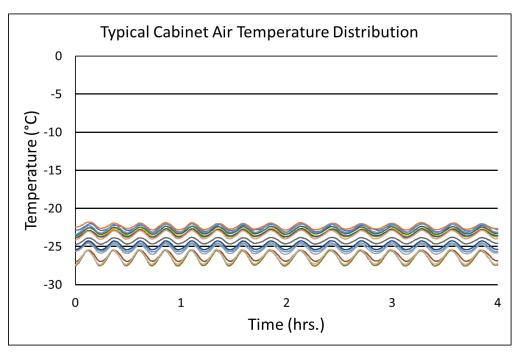


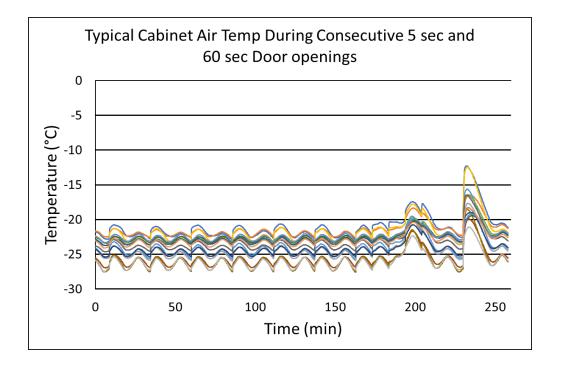
*-one or more of these certifications may apply to this unit.

Temperature Probes							
Probe	Ave	Min	n Max				
1	-22.6	-23.2	-22.0				
2	-22.3	-22.8	-21.8				
3	-25.4	-26.0	-24.6				
4	-23.1	-23.7	-22.6				
5	-25.1	-25.7	-24.4				
6	-23.3	-23.8	-22.8				
7	-24.9	-25.5	-24.2				
8	-26.2	-27.0	-25.4				
9	-24.2	-24.7	-23.8				
10	-26.6	-27.6	-25.5				
11	-23.2	-23.8	-22.6				
12	-22.9	-23.6	-22.3				
13	-22.6	-23.5	-22.0				
14	-23.5	-24.2	-22.8				
15	-26.4	-27.4	-25.4				













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Images





Dimensions							
	Width	Depth	Height	Door Swing	Total open Depth		
Exterior	23 3/4"	24 1/2"	33 3/8"	21 3/4"	46"		
Interior	19"	17 1/4"	21"				

