

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

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

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

Storage capacity 4.2 cu. ft. gross volume

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

lock

Shelves Two shelves, fixed

Mounting Low profile roller wheels and leveling legs

Interior lighting N/A

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

Compressor warranty Five (5) years compressor warranty

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

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

Compressor

Refrigerant

Condenser

Evaporator

Defrost

Hermetic, high performance

EPA SNAP compliant, R600a, Isobutane

Hybrid fin and tube with low noise fan

Integrated shelf evaporator design

Manual

Performance

Uniformity¹ (Cabinet air) +/- 2.6°C

Stability² (Cabinet air) +/- 2.1°C

Maximum temperature variation +/- 2.9°C

(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.

Energy consumption 0.97 KWh/day⁴

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

temp

Controller, Configuration, Alarms and Monitoring

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

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

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

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

Certifications

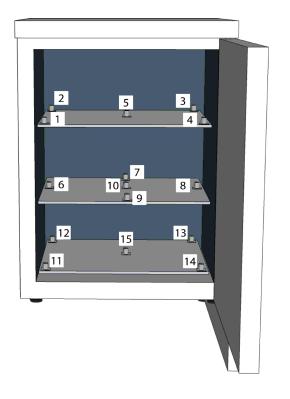


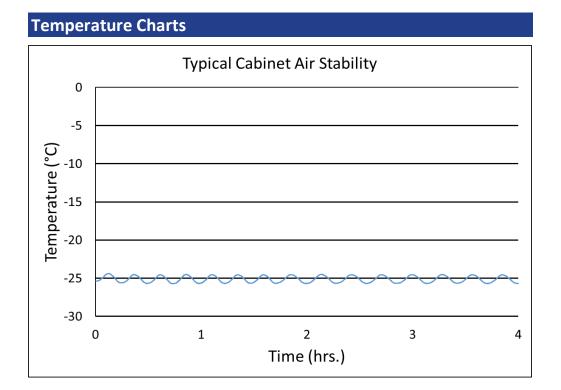


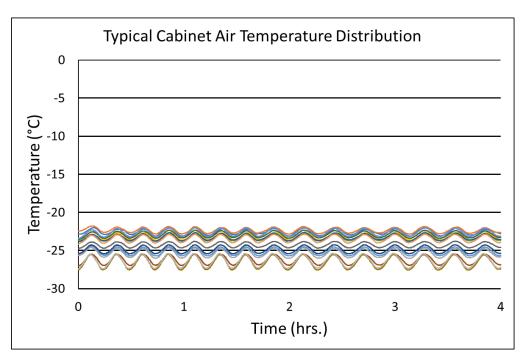


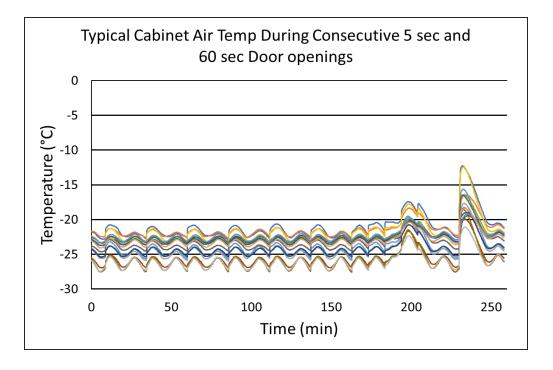
*-one or more of these certifications may apply to this unit.

Temperature Probes							
Probe	Ave	Min	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				













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

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"				

