

# PH-ABT-NSF-UCBI-0420SS

#### **Product Description**

These premier 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. American Biotech Supply 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

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

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

Stainless Steel **Exterior materials** 

Pyxis<sup>®</sup>, Omnicell<sup>®</sup> and AcuDose RX<sup>®</sup> compatible Access control

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

Five (5) years compressor warranty Compressor warranty

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

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** 

Pharmacy refrigerator/freezer toolkit and temperature logs **Included Accessories** 

### **Refrigeration System**

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

### **Performance**

Uniformity<sup>1</sup> (Cabinet air) +/- 2.6°C +/- 2.1°C Stability<sup>2</sup> (Cabinet air) Maximum temperature variation +/- 2.9°C

(Cabinet air)

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

openings protocols<sup>3</sup>

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

Simulator ballast

### 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)

Calibration Calibrated using a NIST traceable device, certificate included

State switching remote alarm contacts External alarm connection

Visual and audible indicators

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

> 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**

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

#### **Certifications**



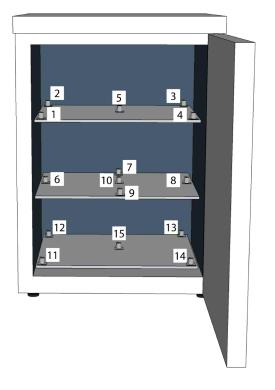




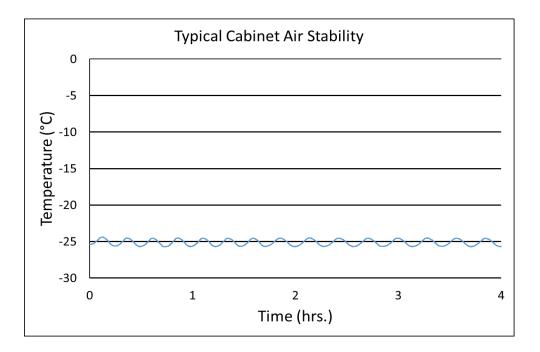


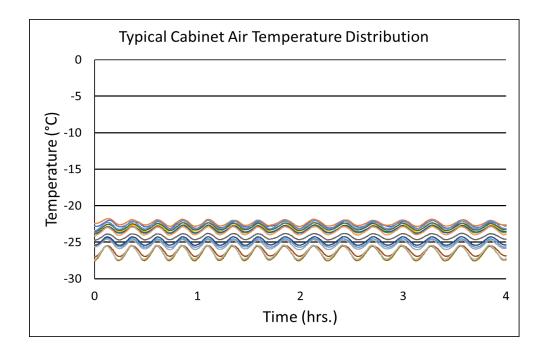
\*-one or more of these certifications may apply to this unit.

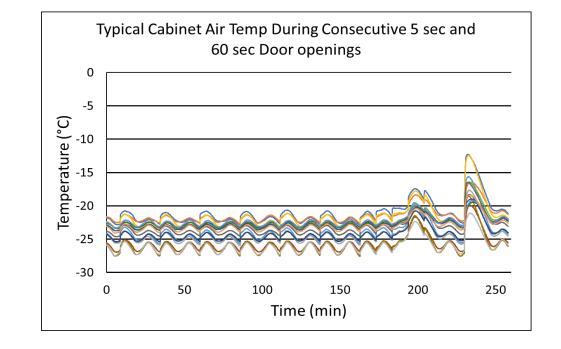
Temperature Probes							
Probe	Ave	Min	Max				
1	-22.6	-23.2	-22.0				
2	-22.3	-22.8	-21.8				
3	-25.4	-26.0	-24.6				
4	-23.1	-23.7	-22.6				
5	-25.1	-25.7	-24.4				
6	-23.3	-23.8	-22.8				
7	-24.9	-25.5	-24.2				
8	-26.2	-27.0	-25.4				
9	-24.2	-24.7	-23.8				
10	-26.6	-27.6	-25.5				
11	-23.2	-23.8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



#### **Temperature Charts**









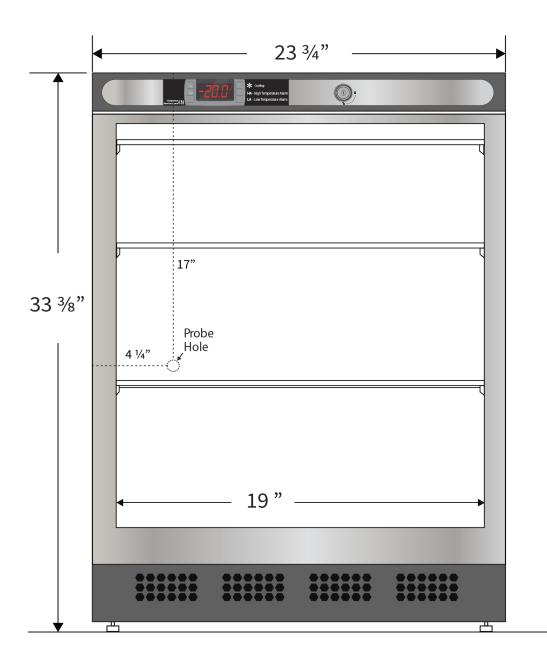
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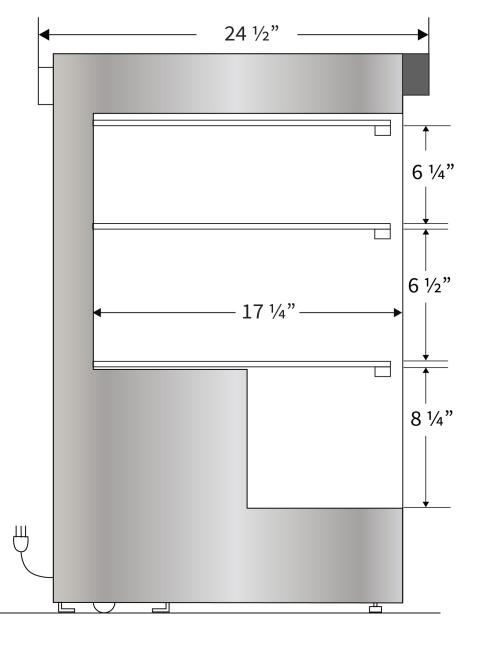
## **Images**

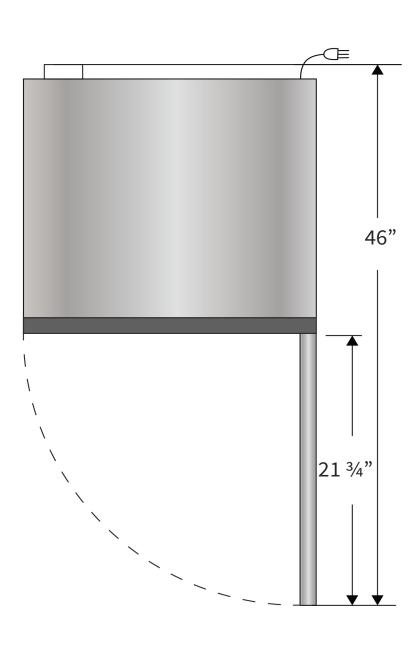




Dimensions					
	Width	Depth	Height	Door Swing	Total open Depth
Exterior	23 3/4"	24 1/2"	33 3/8"	21 3/4"	46"
Interior	19"	17 1/4"	21"		







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**Technical Service**