

# PH-ABT-NSF-UCBI-0404-LH

#### **Product Description**

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. Our Premier line includes premium features such as extensive alarm systems and digital touch pad displays.

The left hinged, solid door refrigerators utilize microprocessor controllers and feature temperature alarms, remote alarm contacts, and probe access ports with included probes. American Biotech Supply Vaccine Storage Refrigerators utilize HFCfree refrigerant for environmental health and energy efficiency.

# **General Description and Application**

Single Solid Door Pharmacy/Vaccine Undercounter Refrigerator Built-In Left Hinge Description

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

4.6 cu. ft. gross volume Storage capacity

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

Three shelves (two adjustable/one fixed) with guard rail on back **Shelves** 

Low profile roller wheels and leveling legs Mounting

N/A Interior lighting

Forced Air technology, patent pending Airflow management

External probe access Rear wall port (1/2") dia.

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

**Exterior materials** White powder coated steel

Pyxis®, Omnicell® and AcuDose RX® 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** 140 lbs. Shipping Weight 1.74 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

Certified in accordance with the NSF/ANSI 456 Standard for Vaccine Storage. UL, C-UL, ETL, C-**Agency Listing and Certification** 

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**

Compressor Hermetic, high performance EPA SNAP compliant, R600a, Isobutane Refrigerant Condenser Hybrid fin and tube with low noise fan

Evaporator

Defrost Cycle optimized, zero energy

### Performance |

Uniformity<sup>1</sup> (Cabinet air) +/- 0.8°C Stability<sup>2</sup> (Cabinet air) +/- 1.2°C Maximum temperature variation (Cabinet +/- 1.4°C

Temperature rise after 8 sec door

openings

Recovery after 3 min door opening

All probes recover to under 8°C within 4.8 min. **Energy consumption** 1.15 KWh/day⁴

Average heat rejection Noise pressure level (dBA)

External alarm connection

1.57 KWh/day (224 BTU/h)4 43 or less installed

35 min

Pull down time to nominal operating

temp

Alarms

Simulator ballast

# Controller, Configuration, Alarms and Monitoring

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

1°C to 10°C (Setpoint must remain unaltered from the factory setting to remain compliant with Temperature setpoint range

NSF/ANSI 456 Standard for Vaccine Storage requirements)

Calibration Calibrated using a NIST traceable device, certificate included

Visual and audible indicators

State switching remote alarm contacts

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

Temperature did not exceed 6.4°C at any probe for all required NSF/ANSI 456 testing protocols<sup>3</sup>

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 4.6 cu. ft. Built-in Vaccine Refrigerator Left Hinged - Certified to NSF/ANSI 456 Standard for Vaccine Storage

#### Certifications



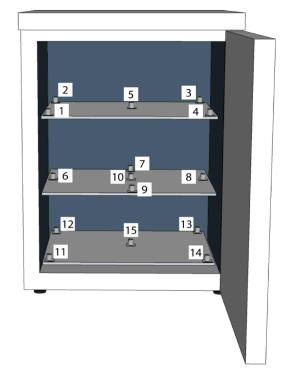




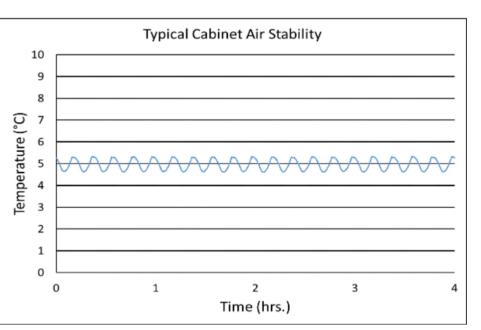


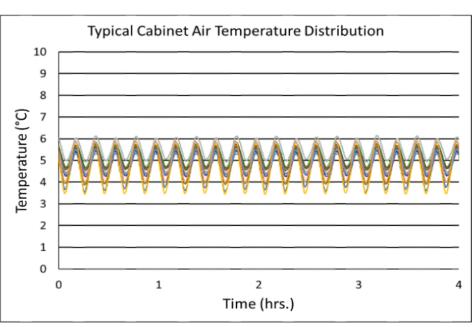
\*-one or more of these certifications may apply to this unit.

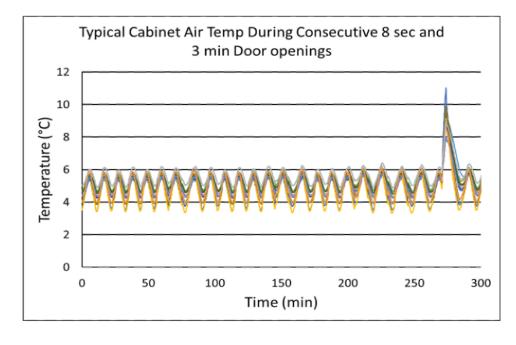
Temperature Probes							
Probe	Ave	Min	Max				
1	4.6	3.5	5.8				
2	4.9	4.3	5.4				
3	5.0	4.4	5.6				
4	4.6	3.4	5.8				
5	5.0	4.6	5.3				
6	5.3	4.7	5.9				
7	4.8	4.2	5.5				
8	5.1	4.5	5.8				
9	4.8	3.9	5.8				
10	4.8	3.9	5.8				
11	5.5	4.9	6.2				
12	5.1	4.6	5.6				
13	4.9	4.3	5.5				
14	4.9	4.0	5.9				
15	5.5	4.9	6.2				



#### **Temperature Charts**









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## **Images**





Dimensions							
	Width	Depth	Height	Door Swing	Total open Depth		
Exterior	23 7/8"	24 3/8"	33 3/8"	23 1/2"	46"		
Interior	19 1/4"	17 1/2"	22"				

