

CMEB-REF-4PT6-G-NSF

Product Description

These premier built -in undercounter refrigerators 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 glass door refrigerators utilize microprocessor controllers and feature temperature alarms, remote alarm contacts, LED interior lighting, and probe access ports with included probes. American Biotech Supply Vaccine Storage Refrigerators utilize HFC-free refrigerant for environmental health and energy efficiency.

General Description and Application

Single Glass Door Pharmacy/Vaccine Undercounter Refrigerator Built-In 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 glass door, self-closing, right hinged, non-reversible, magnetic sealed gasket, keyed Door

lock

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

Low profile roller wheels and leveling legs Mounting

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

Forced Air technology, patent pending Airflow management

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

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

Five (5) years compressor warranty Compressor warranty

100 lbs. **Product Weight** 140 lbs. **Shipping Weight** Rated Amperage 1.74 Amps

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

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

listed (either single or dual agency listings) and certified to UL471 standard, hydrocarbon

refrigerant safety. Energy Star Certified

Included Accessories Pharmacy refrigerator/freezer toolkit and temperature logs

Refrigeration System

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

Cycle optimized, zero energy

Performance

Defrost

Uniformity¹ (Cabinet air) +/- 0.8°C Stability² (Cabinet air) +/- 1.2°C Maximum temperature variation +/- 1.4°C

(Cabinet air)

Temperature rise after 8 sec door Temperature did not exceed 6.4°C at any probe for all required NSF/ANSI 456 testing protocols³

openings

Recovery after 3 min door opening All probes recover to under 8°C within 4.8 min.

1.15 KWh/day4 **Energy consumption**

1.57 KWh/day (224 BTU/h)4 Average heat rejection Noise pressure level (dBA) 43 or less installed

Pull down time to nominal operating 35 min temp

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 Standard for Vaccine Storage requirements)

Calibration Calibrated using a NIST traceable device, certificate included External alarm connection

State switching remote alarm contacts Visual and audible indicators

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

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

Certifications



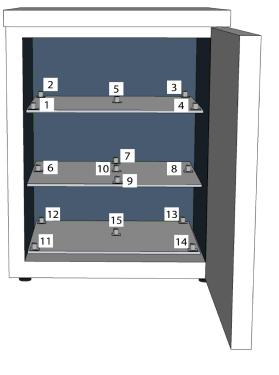




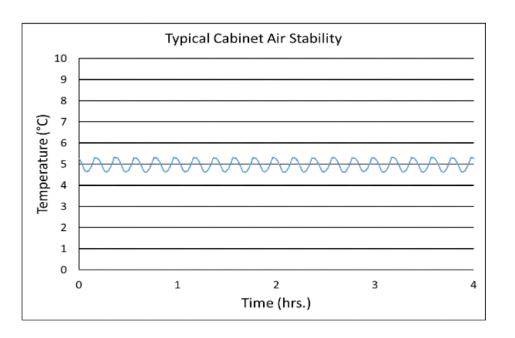


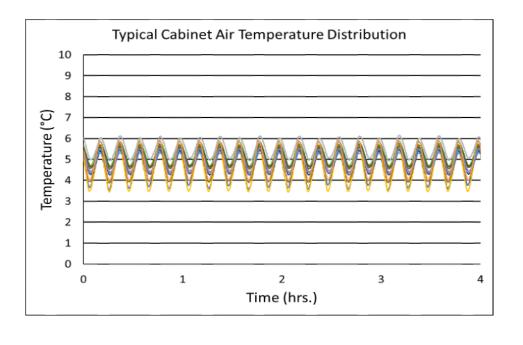
*-one or more of these certifications may apply to this unit.

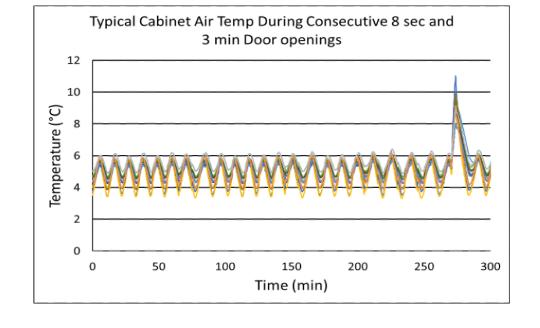
Temperature Probes							
Probe	Ave	Min	Max				
1	4.6	3.5	5.8				
2	4.9	4.3	5.4				
3	5.0	4.4	5.6				
4	4.6	3.4	5.8				
5	5.0	4.6	5.3				
6	5.3	4.7	5.9				
7	4.8	4.2	5.5				
8	5.1	4.5	5.8				
9	4.8	3.9	5.8				
10	4.8	3.9	5.8				
11	5.5	4.9	6.2				
12	5.1	4.6	5.6				
13	4.9	4.3	5.5				
14	4.9	4.0	5.9				
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"	26"	33 3/8"	23 1/2"	46"		
Interior	19 1/4"	17 1/2"	22"				

