

PH-ABT-NSF-12G

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.

These refrigerators utilize microprocessor controllers and feature temperature alarms, remote alarm contacts, and probe access ports with included probes. Units run on natural, hydrocarbon refrigerant for environmental health and energy efficiency.

General Description and Application

Single Glass Door Pharmacy/Vaccine Upright Refrigerator Description Indoor use only, +18°C to +26°C (+65°F to +78°F), <70% RH Operational environment

Storage capacity 12 cu. ft. gross volume

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

lock

Six shelves (five adjustable/one fixed) with guard rail on back Shelves

3 1/2" Swivel Casters(two locking) Mounting

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

Forced Air technology, patent pending Airflow management

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

Five (5) years compressor warranty Compressor warranty

224 lbs. Product Weight 264 lbs. **Shipping Weight** Rated Amperage 3 Amps

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 Certified with the temperature performance requirements as defined in the NSF/ANSI 456

Standard for Vaccine Storage for all testing scenarios. UL, C-UL, ETL, C-ETL listed and certified to

UL471 standard, hydrocarbon refrigerant safety.

Included Accessories 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

Hermetic, high performance Compressor Refrigerant EPA SNAP compliant, R290, propane Condenser Fin and tube design, high efficiency fan Evaporator Fin and tube design, high efficiency fan Defrost Cycle optimized, zero energy

Performance

Uniformity¹ (Cabinet air) +/- 0.7°C Stability² (Cabinet air) +/- 1.3°C Maximum temperature variation (Cabinet +/-1.1°C

Temperature rise after 8 sec door

Display technology

Simulator ballast

Temperature setpoint range

Temperature did not exceed 5.4°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 2.5 min.

0.61 KWh/day⁴ **Energy consumption**

Average heat rejection 1.20 KWh/day (315 BTU/h)4 Noise pressure level (dBA) 48 or less installed

Pull down time to 4°C nominal operating 30 min temp

Controller, Configuration, Alarms and Monitoring

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

NSF/ANSI 456 Standard for Vaccine Storage compliant digital temperature display and alarm

module with battery back-up, F/C switchable.

1°C to 10°C (Controller settings must remain unaltered to ensure thermal performance

compliant with NSF/ANSI 456 Standard for Vaccine Storage 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 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

Upright 12 cu. ft. Glass Door Refrigerator, High Performance - Certified to NSF/ANSI 456 Standard for Vaccine Storage

Certifications

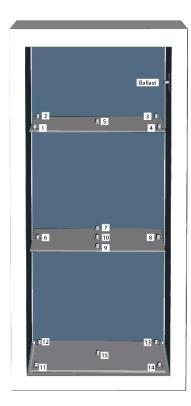




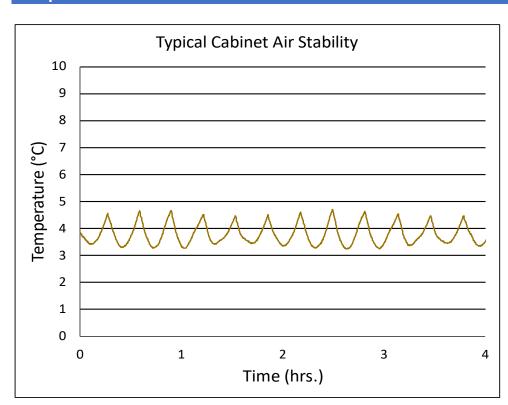


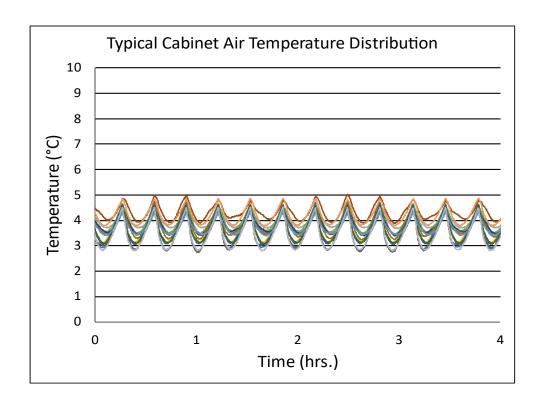
*-one or more of these certifications may apply to this unit.

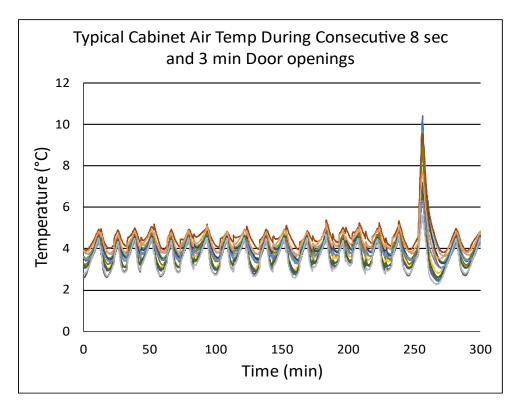
| Temperature Probes | | | | | | | |
|--------------------|-----|-----|-----|--|--|--|--|
| Probe | Ave | Min | Max | | | | |
| 1 | 3.5 | 2.7 | 4.7 | | | | |
| 2 | 3.8 | 3.4 | 4.5 | | | | |
| 3 | 4.0 | 3.7 | 4.5 | | | | |
| 4 | 3.7 | 3.1 | 4.7 | | | | |
| 5 | 3.8 | 3.4 | 4.5 | | | | |
| 6 | 3.9 | 3.4 | 4.7 | | | | |
| 7 | 3.8 | 3.4 | 4.6 | | | | |
| 8 | 4.3 | 3.9 | 5.0 | | | | |
| 9 | 3.5 | 2.7 | 4.8 | | | | |
| 10 | 3.8 | 3.2 | 4.7 | | | | |
| 11 | 3.6 | 3.1 | 4.6 | | | | |
| 12 | 3.6 | 3.1 | 4.4 | | | | |
| 13 | 3.7 | 3.4 | 4.3 | | | | |
| 14 | 4.2 | 3.8 | 4.9 | | | | |
| 15 | 3.4 | 2.8 | 4.5 | | | | |



Temperature Charts









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Images





| Dimensions | | | | | | | |
|------------|---------|---------|---------|------------|------------------|--|--|
| | Width | Depth | Height | Door Swing | Total open Depth | | |
| Exterior | 25" | 29" | 65 3/4" | 23 1/4" | 52 1/4" | | |
| Interior | 20 3/8" | 19 1/4" | 36 1/8" | | | | |

