

PH-DAI-NSF-UCFS-0204

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 solid door freestanding 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

Description Single Solid Door Pharmacy/Vaccine Undercounter Refrigerator Freestanding

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

Storage capacity 2.5 cu. ft. gross volume

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

lock

Shelves Four shelves (three adjustable/one fixed) with guard rail on back

Mounting and Installation Leveling legs. Note: 4" of clearance on all sides must be maintained for adequate ventilation

Interior lighting N/A

Airflow management Forced Air technology, patent pending

External probe access Rear wall port (3/8") 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 69 lbs.
Shipping Weight 88 lbs.
Rated Amperage 0.9 A max

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

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

refrigerant safety.

Included Accessories Pharmacy refrigerator/freezer toolkit and temperature logs

Refrigeration System

Compressor

Refrigerant

Condenser

EPA SNAP compliant, R600a, Isobutane
Tube and grid construction, fanless
Evaporator

Plate wall

Defrost Cycle optimized, zero energy

Performance

Uniformity¹ (Cabinet air) +/- 1.1°C Stability² (Cabinet air) +/- 0.7°C Maximum temperature variation +/-1.2°C

Temperature rise after 8 sec door

Temperature did not exceed 7.2°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 7.5 min.

Energy consumption 0.58 KWh/day⁴

Average heat rejection 1.00 KWh/day (142 BTU/h)⁴
Noise pressure level (dBA) 34 or less installed

Pull down time to nominal operating temp 42 min

Controller, Configuration, Alarms and Monitoring

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

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

NSF/ANSI 456 Standard for Vaccine Storage requirements)

Calibration Calibrated using a NIST traceable device, three year certificate included

External alarm connection State switching remote alarm contacts

Alarms Visual and audible indicators

Visual and audible indicators

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

Standard for Vaccine Storage
Glass bead thermal media

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.

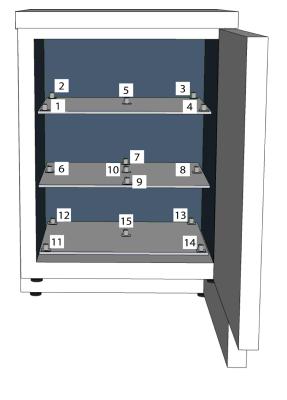
Product Data Sheet

Undercounter 2.5 cu. ft. Solid Door Freestanding Vaccine Refrigerator - Certified to NSF/ANSI 456 Standard for Vaccine Storage

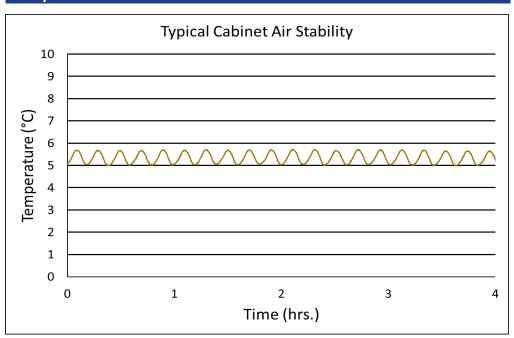
Certifications

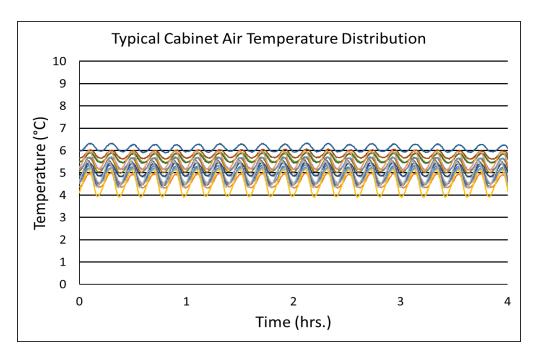
*-one or more of these certifications may apply to this unit.

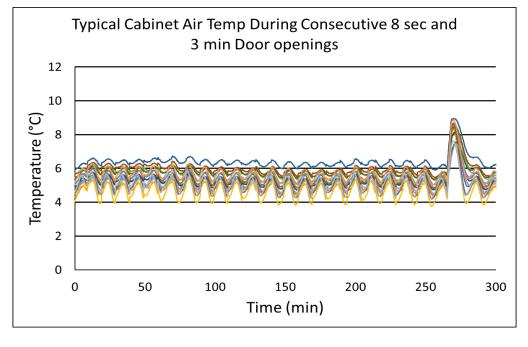
| Temper | Temperature Probes | | | | | | |
|--------|--------------------|-----|-----|--|--|--|--|
| Probe | Ave | Min | Max | | | | |
| 1 | 4.9 | 4.4 | 5.4 | | | | |
| 2 | 4.6 | 4.3 | 5.0 | | | | |
| 3 | 4.8 | 4.5 | 5.2 | | | | |
| 4 | 4.5 | 3.9 | 5.2 | | | | |
| 5 | 5.0 | 4.8 | 5.3 | | | | |
| 6 | 5.7 | 5.4 | 5.9 | | | | |
| 7 | 5.1 | 4.8 | 5.5 | | | | |
| 8 | 5.8 | 5.6 | 6.1 | | | | |
| 9 | 5.0 | 4.4 | 5.6 | | | | |
| 10 | 5.3 | 5.0 | 5.7 | | | | |
| 11 | 6.1 | 5.9 | 6.3 | | | | |
| 12 | 5.7 | 5.4 | 5.9 | | | | |
| 13 | 5.4 | 5.1 | 5.7 | | | | |
| 14 | 5.5 | 5.1 | 6.0 | | | | |
| 15 | 4.9 | 4.3 | 5.6 | | | | |



Temperature Charts









Product Data Sheet

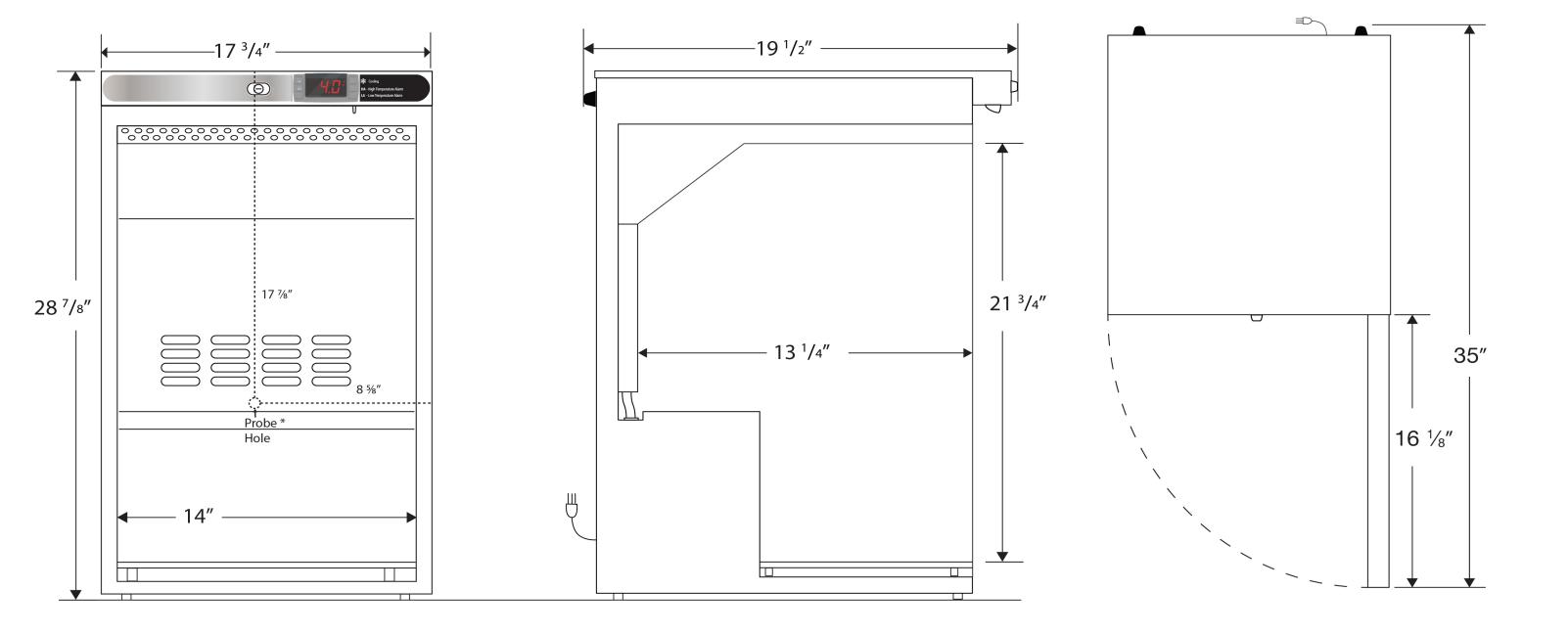
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Images





| Dimensions | | | | | | | |
|------------|----------|---------|---------|---------|------------|------------------|--|
| | | Width | Depth | Height | Door Swing | Total open Depth | |
| | Exterior | 17 3/4" | 19 1/2" | 28 7/8" | 16 1/8" | 35" | |
| | Interior | 14" | 13 1/4" | 21 3/4" | | | |



Note: This unit must have 4" clearance on sides and back for adequate ventilation

| Contact | |
|----------------|--|
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| Rev_10042022 | |