

PH-DAI-NSF-UCFS-0204

Product Description

Compressor

Refrigerant

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

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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	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	

Product Data Sheet

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

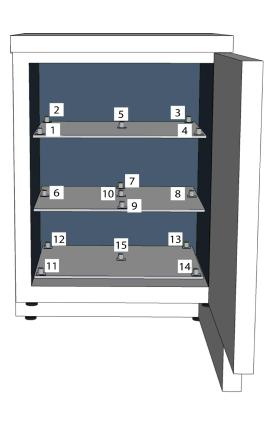
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Certifications

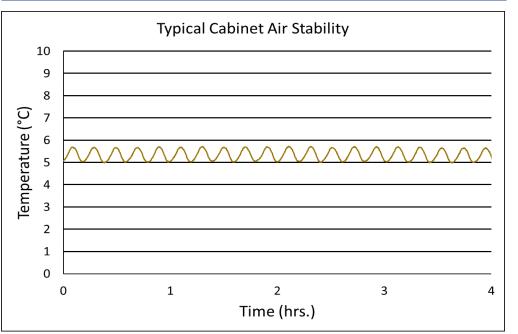
*-one or more of these certifications may apply to this unit.

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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



Condenser	Tube and grid construction, fanless
Evaporator	Plate wall
Defrost	Cycle optimized, zero energy

Hermetic, high performance

EPA SNAP compliant, R600a, Isobutane

Performance	
Uniformity ¹ (Cabinet air)	+/- 1.1°C
Stability ² (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 protocols
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	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)	
Display probe	Calibrated, stainless steel	
External alarm connection	State switching remote alarm contacts	
Alarms	Visual and audible indicators	
	High / Low temperature, compliant with alarm requirements defined in the NSF/ANSI 456	
	Standard for Vaccine Storage	
Simulator ballast	Glass bead thermal media	

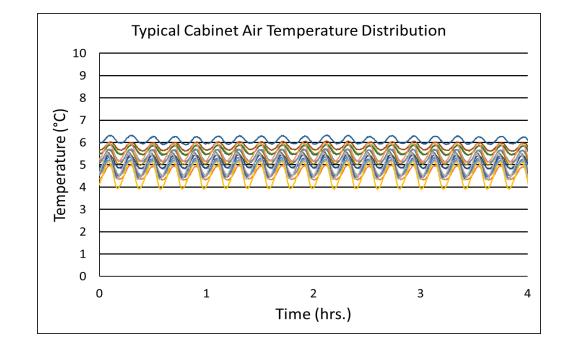
Performance data acquired at 22°C ambient, using NSF/ANSI 456 compliant validation ballast probes, empty chamber, during stabilized steady state operation and a DAQ sampling rate of one measurement every 10 seconds

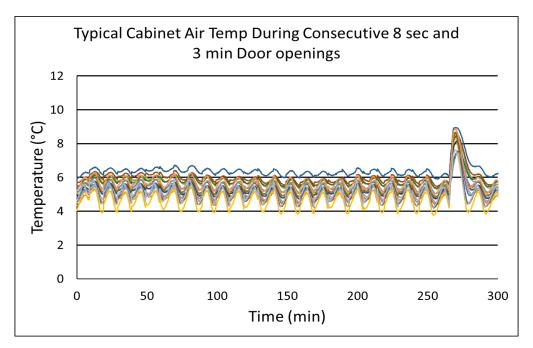
1 - Uniformity is defined as the maximum variance in temperature across all probes at any point in time over the testing period

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.







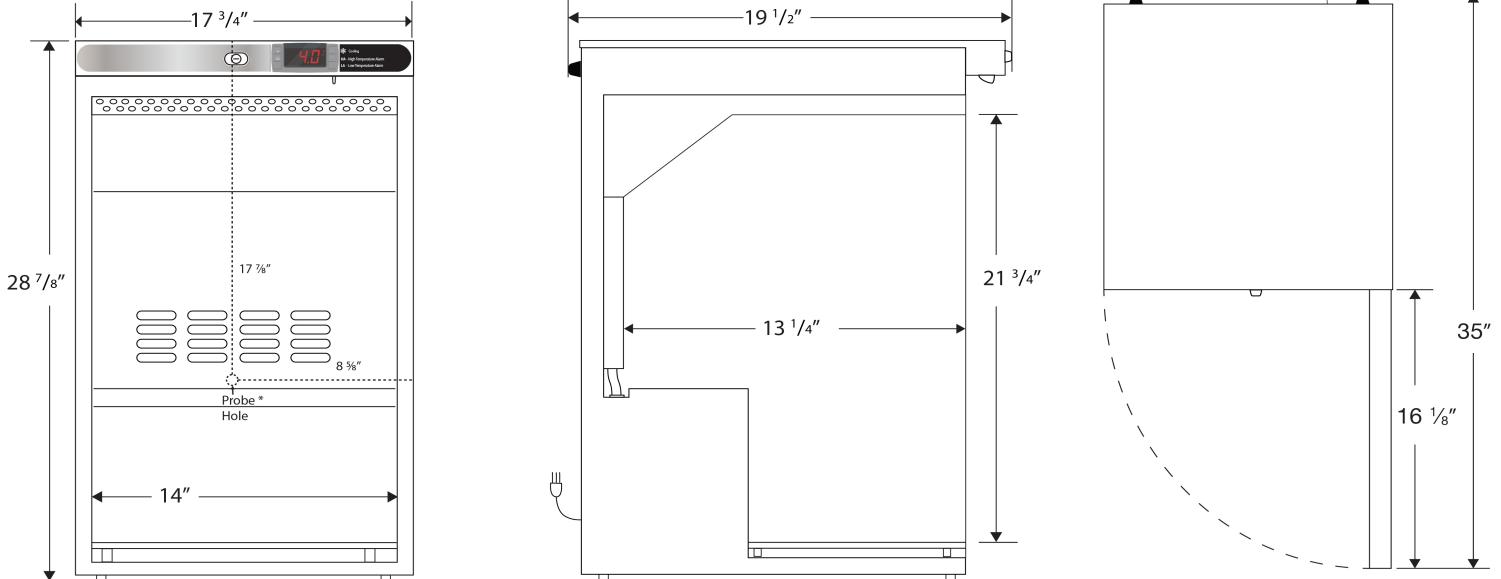
Product Data Sheet

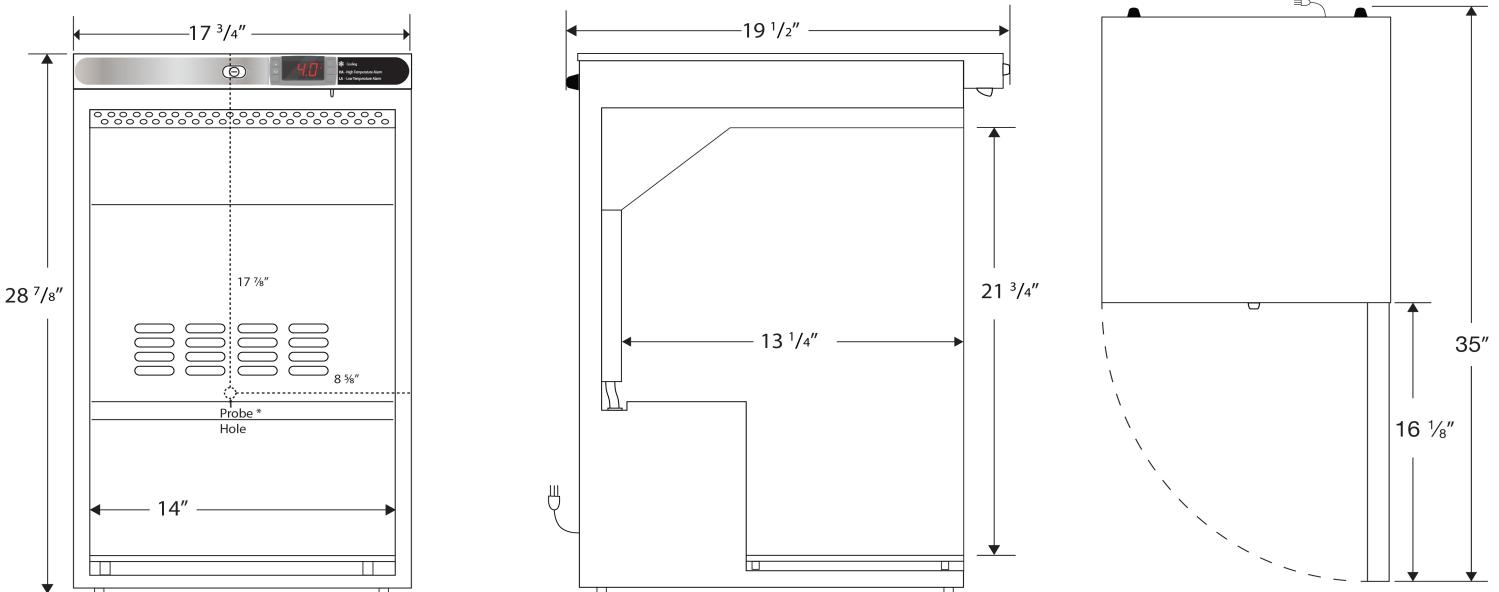
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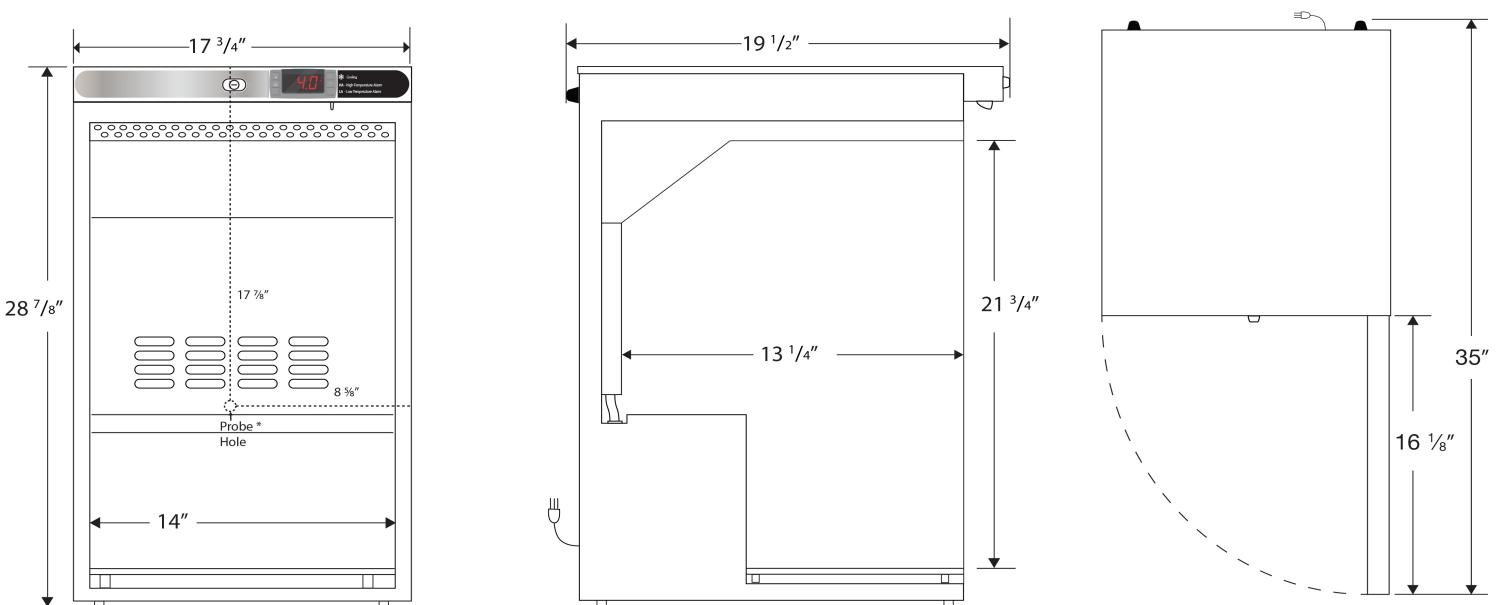
Images



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	
Phone	866-705-4749
Phone Email	<u>customerservice@daiscientific.com</u>
Rev_10042022	