



BD Pyxis™ ES Refrigerator

Support medication safety and clinician efficiency

The BD Pyxis™ ES refrigerator is an integrated temperature management and refrigeration solution designed to help prevent medication errors, support clinical workflow efficiency and reduce waste. The refrigerator features secure locking bins that release when remotely accessed via the BD Pyxis™ MedStation™ ES system to help mitigate risk of diversion and medication errors. The BD Pyxis™ ES refrigerator is medical-grade and supports meeting CDC vaccine storage recommendations. Providing secure, single-line item access for controlled substances, high-alert and high-value medications, the BD Pyxis™ ES refrigerator enhances the capabilities of your connected medication management solution.



Solution specifications

Two standard sizes to accommodate capacity needs

5 cubic ft



	Width	Height	Depth	Net weight*	Shipping weight*
Exterior	24.3 in.	32 in.	29 in.	206 lbs	267 lbs
Interior	19.5 in.	19.75 in.	23 in.		

Specifications

Clearance requirements	Minimum of 3 in. behind unit for clearance and feature access
Interior shelves	18 in. x 18 in.
Shelf weight capacity	100 lbs max capacity/shelf

13 cubic ft



	Width	Height	Depth	Net weight*	Shipping weight*
Exterior	24.25 in.	70.5 in.	29.5 in.	363 lbs	424 lbs
Interior	20 in.	49.5 in.	22 in.		

Specifications

Clearance requirements	8 in. top clearance for ventilation
Interior shelves	18 in. x 18 in.
Shelf weight capacity	100 lbs max capacity/shelf

Bin specifications

Two bin sizes to accommodate vials, syringes, IV bags and other medication dosage forms

Standard bins	Width	Height	Depth
Exterior	5.6 in.	2.36 in.	14.82 in.
Interior	4.85 in.	1.52 in.	12.57 in.
Deep bins	Width	Height	Depth
Exterior	5.64 in.	5.36 in.	14.82 in.
Interior	4.85 in.	4.52 in.	12.57 in.



Standard bins



Deep bins

*Based on 6 standard bin configuration for 5 cubic ft and 15 standard bin configuration for 13 cubic ft.

Configuration options

5 cubic ft		
# rows	# bins/type	# open shelves
0	0 bins	2
1	3 standard	2
1	3 deep	2
2	6 standard	2
2	6 deep	0
2	3 standard, 3 deep	1
3	9 standard	1
3	6 standard, 3 deep	0
4	12 standard	0
13 cubic ft		
# rows	# bins/type	# open shelves
2	6 standard	4
3	3 standard, 6 deep	3
4	9 standard, 3 deep	3
5	15 standard	3

Flexible 5 cubic ft and 13 cubic ft configuration options for storing multiple single-line items of refrigerated medications as well as open space

Additional specifications

Rating, electrical and performance	
Temperature range	+36°F to +50°F (+2°C to +10°C)
Electrical power	115 V 60 Hz
Maximum current	1.4A I 0.85A
Building supply rating	15 amp dedicated ground circuit
Power plug/power cord length	NEMA 5–15 hospital grade plug (115 V) 8–10 ft
Certification/agency listing	QPS (certified to UL and CSA standards) EC/UL 610101-2-011 (Dec 2016)
Battery backup	Controller and communications to continue for 2 hrs (door will automatically unlock after 2 hours, but the drawers will remain locked)
Emergency access strip	Dual physical locks on the right side of bins
Keys	4 regular keys (backup battery and magnetic door lock) and 2 barrel keys (override)
Uniformity	+/-3.6°F (+/-2°C)
Set point	40°F (4.4°C)
Temperature probe	+/-1°F (+/-0.5°C)
Refrigeration	
Refrigeration system	Variable speed (VCC) compressor-based, forced-air
Compressor	Hermetic, VCC. Rated speed range: 1,300–4,000 rpm
Condenser type	Air-cooled fin and tube, sealed
Expansion device	Cap tube
Evaporator type	Direct expansion with forced circulation fin and tube
Defrost method	Automatic
Refrigerant charge	R600a, Isobutane, EPA SNAP compliant
Construction	
ADA compatible	Fits under 34 in. ADA-compliant counters [†]
Insulation	Sustainable, U.S. EPA and SNAP approved
Exterior/interior finish	Bacteria-resistant powder coating
Doors	1, solid, available in left or right hinge
Access ports	Rear access port
Leveling feet	Standard on 5 cubic ft, not available on 13 cubic ft
Casters	Standard on 13 cubic ft, available on 5 cubic ft
Seismic anchors	Required on 13 cubic ft, state of CA

[†]Fits under ADA-compliant counter if unit is configured with leveling feet. Units with casters are 1.5 in. taller and will likely not fit under ADA counters.

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