



# BD Pyxis™ ES Refrigerator Specifications Sheet

Helps support medication safety and clinical workflow efficiency

BD Pyxis™ ES refrigerator is an integrated temperature management and refrigeration solution designed to help support medication safety by properly securing and storing refrigerated medications. The refrigerator features secure locking bins that release when accessed via BD Pyxis™ MedStation™ ES system to help support automated dispensing workflow efficiency and standardization across ambient and refrigerated medications. BD Pyxis™ ES refrigerator is medical-grade and helps to support meeting CDC vaccine storage recommendations. Providing secure, single-line item access for controlled substances, high-alert and high-value medications, 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 | 24.5 in. | 32 in.   | 28.1 in. | 206 lbs     | 267 lbs          |
| Interior | 19.5 in. | 19.9 in. | 22.8 in. |             |                  |

#### Specifications

|                        |   |
|------------------------|---|
| Clearance requirements | Minimum of 3 in. behind unit for clearance and feature access |
| Interior shelves       | 18 in. x 21.3 in.   |
| Shelf weight capacity  | 100 lbs max capacity/shelf                                    |

#### 13 cubic ft



|          | Width    | Height   | Depth    | Net weight† | Shipping weight† |
|----------|----------|----------|----------|-------------|------------------|
| Exterior | 24.6 in. | 70.3 in. | 29.5 in. | 382 lbs     | 449 lbs          |
| Interior | 20 in.   | 49.4 in. | 23 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

\* Add 2 inches to height if using casters and 1.6 inches if using leveling feet.

† 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,<br>3 deep | 1              |
| 3           | 9 standard            | 1              |
| 3           | 6 standard,<br>3 deep | 0              |
| 4           | 12 standard           | 0              |
| 13 cubic ft |                       |                |
| # rows      | # bins/type           | # open shelves |
| 2           | 6 standard            | 4              |
| 3           | 3 standard,<br>6 deep | 3              |
| 4           | 9 standard,<br>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 +8°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)  |
| BTU output                         | 5 cu. ft. Heat rejection   BTU/hr 460<br>13 cu. ft. Heat rejection / Emission   BTU/hr 708   |
| 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   |

## Additional specifications (Cont...)

| Construction             |   |
|--------------------------|---|
| ADA compatible           | Fits under 34 in. ADA-compliant counters <sup>†</sup> |
| 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                  |

<sup>†</sup> 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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