

Bigbelly Smart Compost

Built on Bigbelly's fundamentally better bin, Smart Compost bins are a 47-gallon (178 L) capacity bin for residential food waste collection programs. The standard Smart Compost bin is compatible with Bigbelly portfolio of public space waste bins, seamlessly fitting into a pre-existing waste ecosystem.

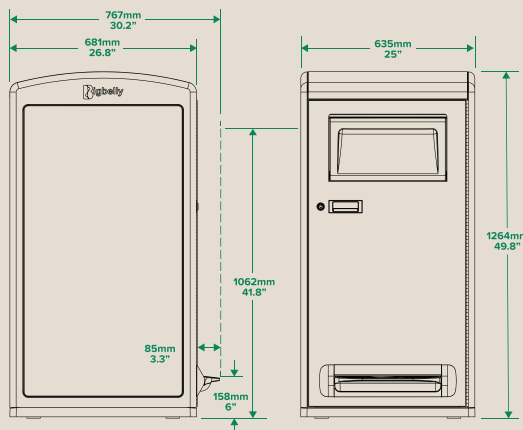
The Smart Compost bin has a fully-enclosed locking Chute disposal interface, preventing contamination and keeping rats and other pests from getting access to the food waste inside. Each bin can typically handle the food waste from 100 residents.

The Chute is sized to accept standard sized countertop food waste bags, with easy, hands-free disposal made possible by the integrated foot pedal.

The Smart Compost bin has a built-in access control system, that unlocks the disposal Chute for residents with the Smart Compost App. The bin is equipped with sensors that monitor and report fullness level, collection activity, bin status, and GPS location. All information is communicated to Bigbelly's CLEAN™ Management Console and CLEAN™ Mobile.

With the ability to accommodate 100 residences in a single bin and enabling streamlined and measurable waste management operations, Bigbelly Smart Compost enables a food waste collection program at less than half the cost of a curbside program.

Technical Specifications



Overall Machine Dimensions

- Height: 49.8" (1264 mm)
- Width: 25" (635 mm)
- Depth: 26.8" (681 mm)
- Handle Height (ADA Compliant): 41.8" (1062 mm)
- Weight: 170 lbs (77 kg)
- Shipping Weight: 200 lbs (91 kg)
- Bin Volume (Chute): 47 gal (178 L)
- Bin Dimension (47 gal): 24.2" x 20" x 27.5" (615 mm x 508 mm x 699 mm)

Disposal Interface Dimensions

- Chute Opening: 15"W x 7"H x 15"D (381 mm x 178 mm x 381 mm)

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FULLY ENCLOSED



CLEAN™ CONNECTED



FULLNESS INDICATOR



ACCESS CONTROLLED

Technical Specifications - Continued

Bigbelly Smart Compost Features

- The access controlled interface is locked by default, opening only for residents with the Smart Compost app, preventing contamination.
- Bigbelly's fully-enclosed Chute disposal interface eliminates rat and pest access.
- Fully-automated and microprocessor-controlled, the Smart Compost bin communicates its information & status to Bigbelly's CLEAN™ Management Console and CLEAN™ Mobile via a built-in telecom data link.
- Embedded sensors detect fullness level, overflows, Chute activity, and front door openings. The bin's location is established and monitored by onboard GPS.
- LED indicators on the front of the Smart Compost bin display bin status to residents and collection staff.
- The integrated Foot Pedal provides hands-free use.

Safety Features

- CE marked
- Soft-open Chute response with use of foot pedal
- Collection door automatically locks when closed
- No pinch points, sharp edges or corners
- ADA compliant reach height
- Wheeled Interior Lift Bin (bar and comb styles)

Durability

- Weather-resistant, UV-stabilized polyester powder-coat finish on all exterior parts
- Electronic components temperature range of -40°F to +185°F (-40°C to +85°C)
- Fully weatherized; in the event of a flood, the bin can withstand up to 36" (915 mm) of water with only minor damage to electronics

Materials

- RoHS compliant
- Galvanized sheet metal steel interior and exterior construction
- Heavy-duty, recycled plastic side panels for dent and scratch resistance
- Leak-proof interior bin made of low-density polyethylene (LDPE) plastic

Power and Electronics

- 12v operation
- 18 Ah sealed lead acid, maintenance-free battery
- Solar panel (40W)
- Solar panel protected by polycarbonate bubble
- Self-powered unit requires no wiring

Options and Accessories

- Custom Graphic Wraps, Message Panels, and Stickers
- Bigbelly ACS (Access Control System) for keyless collection access
- Security Management System with Physical Plates
- Odor Mask

