



REPORT

MEETING TYPE: Regular Council

TO:	Council
FROM:	Jody Brinkman, Manager of Development Services
DATE:	1/17/2024
SUBJECT:	Budget Request – Big belly Garbage Cans
REPORT NO.	[Auto-generated Report Number]

TITLE: Budget Request – Big Belly Garbage Cans

RECOMMENDATION:

That Council includes capital dollars for the purchase of Big Belly garbage cans in the 2024 Budget

PURPOSE:

The Environment Committee passed a motion requesting that the Municipality purchase Big Belly garbage cans that can be placed around the community in strategic locations.

BACKGROUND:

The Environment Committee has in their workplan a Waste Reduction/Diversion section. Included in this section is a responsibility to promote the reduction of litter around town. Some members of the Environment Committee feel that the current garbage cans in the community are unsightly and, in some cases, hard to see, low visibility. At the request of and passed by Motion a report was brought to Council on May 17, 2023 requesting the existing lids on the garbage cans be cleaned and be made available for an event at the Blueberry Festival. Basically, a painting/art contest, each lid would be decorated/painted and then judged. With a prize for the winner, following the event the lids would be placed back on the garbage cans. With the hope that the newly painted lids would be more visible and appealing for public and ideally would promote their use.

Unfortunately, Council turned down this request and it did not take place.

DISCUSSION:

The Environment Committee have discussed different strategies for litter reduction and still feel a nicer, high-visible garbage receptacle would help achieve this goal. A member of the Committee recommended a product called Big Belly Garbage Cans. They had seen these units installed in Kenora and felt like they could be a good fit here in Sioux Lookout.

Staff reached out to the City of Kenora requesting some feedback on the Big Belly products they installed. The feedback was good, no concerns with the quality of the product.

Appended to this report is a brochure and product sheet for the Big Belly Garbage Cans. Staff also met with a representative from Big Belly, they have multiple options and have quantity discounts. The receptacles can be used indoors and outdoors, ranging from a simple fully enclosed bin to a self compacting unit which can connect to the cell network and provides updates on the level of garbage in the bin. Each receptacle can have a different type access point where and how the garbage is placed in the receptacle. There is an open version, a chute version with foot pedal and a hopper version with foot pedal. The hopper version prevents the ability to remove garbage or other items from the receptacle. The lids are not removable and will help deter the dumping of household garbage which frequently occurs. The compacting versions are solar powered or can be plugged in if indoors. They can have fullness indicators on the receptacle itself, which can help staff determine if the unit is full and needs to be emptied. Advertising decals or informational items can be added to the sides and back of the garbage cans. These decals/wraps can help to increase the visibility of the units.

The compacting versions have an overall capacity of 150 gallons, the average weight of the garbage being removed is 35 to 45lbs. The advantage of the compacting version is that a deep well garbage can is not needed, the removal of the garbage bag is much easier than a deep well can and the higher capacity will reduce the number of times the garbage needs to be emptied. The non-compacting versions have an overall capacity of 50 gallons, the average weight of garbage being removed is 15 to 25lbs. For comparison, the existing garbage cans used have the following capacities – 130 gallon, 55 gallon and 32 gallons.

Certain units can connect to the cell network provide usage information to a software system provided by Big Belly. This can help to strategically place garbage cans in high use areas.

The following units are available:

Bigbelly Element – 189L (50G) capacity, can be deployed as a standalone or in combination with other Bigbelly bins. **\$1,900 USD**

Bigbelly Sense – 189L (50G) capacity, can be deployed as a standalone or in combination with other Bigbelly bins. Includes a built-in LED fullness indicator and a soft open chute access with a foot pedal. **\$2,600 USD**

Bigbelly Sense Max – 570L (150G) capacity, solar powered compactor with LED fullness indicators. Fully enclosed hopper access with foot pedal. **\$4,300 USD**

Bigbelly Smart – 189L (50G) capacity, LED fullness indicator and ability to connect to the cell network. Fully enclosed chute access with foot pedal. **\$3,050 USD with 5-year software access.**

Bigbelly Smart Max – 570L (150G) capacity, solar powered compactor with LED fullness indicator. Able to connect to cell network. Fully enclosed hopper access with foot pedal. **\$4,825 USD with 5-year access to software.**

The above prices are all in US funds and discounts are available when ordering multiple units as follows:

10 to 24 Units – 2.5%
25 to 49 Units – 5%
50 to 149 Units – 7.5%

The units come with a 5-year warranty and the prices above are for the base models. Accessories like ashtrays, additional security features, graphic wraps, message panels and odour masking devices are available for an additional cost.

If Council has a desire to purchase some units it is recommended we start with some at the Town Beach, this is a high use area and a good starting point to determine if we want to purchase additional units in the future. Or, in areas that experience regular dumping of household garbage.

RELATIONSHIP TO THE STRATEGIC PLAN:

Operational Excellence

FINANCIAL IMPLICATIONS:

The cost will depend on the decision of Council.

ATTACHMENTS:

Bigbelly Brochure

Bigbelly Spec Sheets

SIGNATURES:

Written By:
Jody Brinkman,
Manager of Development Services

Approved By:
Brian P. MacKinnon,
Chief Administrative Officer



Bigbelly

All Together Better

All Together Better for You

At Bigbelly, we're on a mission to make your communities and spaces better. That means cleaner, safer cities. Beautiful, more efficient campuses. And smarter, more sustainable businesses with better guest experience.

The World's Leading Public Space
Waste and Recycling Solutions Provider

Serving cities, parks,
transit systems, colleges
and universities, corporate
campuses, retail clients,
sports venues and
airports all over the
world

1800+
customers

60
countries

20
years





All Together Cleaner

With our fundamentally better bins, Bigbelly creates clean and beautiful public spaces. No overflowing bins, no visible waste, no windblown litter, and no access for unwanted pests.

All Together Smarter

Our solution helps you make smarter decisions. Our smart, CLEAN™ connected bins eliminate overflows and let you know when and where to collect.

All Together Greener

Make a visible impact on the environment, your community, and beyond. Bigbelly helps you achieve your sustainability goals: implement uniform recycling, reduce GHG emissions, and prevent plastic pollution.

Transforming Municipalities

From small towns, to BIDs, to major metropolitan areas, Bigbelly is transforming communities with configurable solutions that meet their unique needs.

Empowering Campuses

Bigbelly enables colleges and universities to elevate their spaces for a better on-campus experience.

Elevating Public Venues

Airports, sports and entertainment venues, retailers, and other businesses leverage Bigbelly to enhance their guest experience.

Bigbelly Bins and Software

A Fundamentally Better Bin

Bigbelly bins are loaded with core features and options for site-specific needs

Core Features:

Choice of Waste Interfaces

Hands-free Foot Pedal

Soft-open Hopper and Chute

50 gallon (189 L) Capacity

Supports Custom Graphic Wraps

Supports Message Panels

Seamless Multi-bin Kiosk

Street-tough Design

Corrosion-resistant Materials

Key Options:



Fully Enclosed



Smart and CLEAN™ Connected



LED Fullness Indicator



Compactor



Bigbelly's CLEAN™ Management Console gives visibility and insights to all aspects of the Bigbelly public waste system. It enables you to take control of your operations and manage your fleet of Bigbelly bins. The software includes a set of tools for system setup, collection planning, bin management, system monitoring and optimization - accessible via web, notifications and mobile apps.

Bigbelly Smart and Smart Max bins communicate their fullness and collection status directly to CLEAN™. Auto-generated email notifications indicate, on your schedule, which stations need to be collected. Users can then optimize collection routines, measure and benchmark operations, and realize location-based waste patterns across a Bigbelly smart waste fleet.

Maintenance is made easy with CLEAN™. Smart and Smart Max bins automatically report any service needs to put system upkeep right at your fingertips.

Data insights are available through a wide variety of historical and real time reports. Confirm that bins that need collection are being collected and view historical fill rate data on each bin over time. Get historical data on collections reduced and waste diversion to proudly show the improvements enabled with the Bigbelly system. Reports can be analyzed directly in the web console or exported to Excel and other applications for further analysis. Data can be integrated via API with other 3rd party software systems.

Meet the suite of Bigbelly bins

Each of our configurable waste and recycling bins are designed with your space in mind. You have choices: a lineup of five different Bigbelly bin types at price points that start comparable to traditional bins. Mix and match the capabilities that each location needs: waste interface, smart & connected, fullness indication and compaction.



Replace open-top bins with a fundamentally better bin for a comparable price or fill out your smart or sensing deployment cost-effectively.

Know bin fullness at a glance; perfect for applications where collections staff are nearby.

Added capacity when collections can't keep up with high waste volumes.

Optimize operations, provide visibility over your entire waste operation, including waste volumes, bin performance, overflows, and collection status.

Maximize capacity in a smart deployment; for areas where waste volumes are high.

ELEMENT



Hide waste in plain sight and keep it there

- 50 Gal / 189 L capacity
- Fully enclosed

SENSE



Hide waste in plain sight and know at a glance when it's full

- 50 Gal / 189 L capacity
- Fully enclosed
- Fullness indicator
- Battery-powered

SENSE MAX



Know at a glance when its full; with added capacity.

- 150 Gal / 570 L capacity
- Fully enclosed
- Fullness indicator
- Compactor
- Solar-powered

SMART



All the essentials plus it's smart and connected to CLEAN™

- 50 Gal / 189 L capacity
- Fully enclosed
- CLEAN™connected
- Fullness indicator
- Battery-powered

SMART MAX



All the essentials with maximum capacity plus it's smart and connected to CLEAN™

- 150 Gal / 570 L capacity
- Fully enclosed
- CLEAN™connected
- Fullness indicator
- Compactor
- Solar-powered

A Bigbelly for Everywhere

In the example municipality below, geographically spread-out deployments are best served by a combination of Bigbelly Smart, Smart Max, and Element bins. The “smarts” provide insights into waste volumes, when to collect, minimize overflows, reduce maintenance needs, and will keep your waste operation running in tip-top shape.

Work with the Bigbelly team to build a deployment using our 5 different bin types that best suits your needs.



Bigbellys any way you want them

Mix and match any type and quantity of different Bigbelly bins to build a multi-stream kiosk.

Many Bigbelly deployments consist of a fleet of waste and recycling bins. Each location can be configured as a standalone bin or as a multi-stream kiosk to accommodate your specific waste streams.

Bins are available in 5 different waste streams: waste, single-stream recycling, paper, bottles & cans, and organics.



Disposal interfaces

Hopper Interface with Foot Pedal

The standard interface for Sense Max and Smart Max. Once waste goes in, it can't come back out: complete containment. Bigbelly's unique Hopper, even when opened, provides no access to waste by people or pests. It is also the only interface that allows waste disposal while compacting. Suited for keeping out rats and other pests, eliminating trash picking and reducing illegal dumping.



Chute Interface with Foot Pedal

The standard interface for Element, Sense, and Smart - optionally available on Sense Max and Smart Max. Waste is contained and not visible when closed. Suited for keeping out rats and other pests and allows for larger items to be disposed.



Open Interface

Optional available for Element, Sense, and Smart. Lowest cost disposal interface for areas where complete containment is not necessary.



Accessories

Custom Graphic Wraps

Reflect your community identity, your brand, your venue, and engage visitors with your unique design.

Interchangeable Message Panels

Perfect for promoting events, seasonal campaigns, or rotating public service announcements.

Wheeled Lift Bin

Ideal for both manual and semi-automated collections. Available in comb-style and bar-style lift arm versions.

AC Adapter for Indoor Use

External power supply to power Sense Max and Smart Max without access to sunlight.

Bigbelly ACS Access Control

Using a key card, grant selective access to collection staff and see collection insights in real time.

Ash Tray and Stub out Plate

Integrated into the Front Door, keep cigarette butts off the ground and contained inside the bin.

Remote Lock for Chute Interface

Disable disposal interface access remotely through CLEAN™ on a schedule, for special events, and to prevent overflows.

Security Management System

Secure and lock bins during special events; security plates prevent access and remote monitoring alerts of any intrusion.

Odor Mask

Keep your Bigbelly bins smelling good.



EXAMPLE

Traditional bin deployment

Traditional public space waste bins have evolved little since they were introduced and widely deployed over 100 years ago. They've become more attractive, but are still just a 'bucket' to hold waste. They're often not a big enough to hold enough waste in busy areas, and they provide an easy food source for rats and birds.



- 25 open bins
- No compactors or multi-stream stations
- No containment; open bins are a major food source for rats and other pests
- Non-strategic placement across downtown area, fields, parks and schools

GOAL	PERFORMANCE
Contain waste	Okay 🟡
Prevent waste overflow	Poor 🟠
Keep rats and pests out of waste	Poor 🟠
Encourage recycling	Okay 🟡
Aid with waste collection	Poor 🟠
Beautify the area	Poor 🟠

EXAMPLE

Bigbelly solution deployment

Bigbelly was the first to offer high-capacity, fully-enclosed solar compactors for busy waste locations. Now, with a full range of bin types at a variety of price points, there is a Bigbelly bin for every location providing a uniform, appealing and optimized fleet of bins for your entire space.



- 21 fully enclosed bins, capacity matched to each location's needs
- Increased capacity of Bigbelly bins allows for elimination of some bin locations
- Multi-bin kiosks to implement uniform public space recycling
- System configured with the help of Bigbelly's expert team to ensure it meets your needs and goals

GOAL	PERFORMANCE
Contain waste	Great 🟢
Prevent waste overflow	Great 🟢
Keep rats and pests out of waste	Great 🟢
Encourage recycling	Great 🟢
Aid with waste collection	Great 🟢
Beautify the area	Great 🟢



Better with Bigbelly

Bigbelly is the world's leading public space waste and recycling solutions provider.

Our products are deployed across cities, small towns, BIDs, college and university campuses, airports, sports and entertainment venues, retailers, and other businesses in over 60 countries worldwide.

Since 2003, our mission has been to bring innovation to public space waste and recycling. We strive to make every public space a clean, beautiful, and safe place to live and work. We hope you join us on our journey.

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Company Brochure 2303

Bigbelly Smart Max

Built on Bigbelly's fundamentally better bin, the Smart Max is a 150-gallon (570 L) capacity, compacting bin that is CLEAN™ connected - ideal for geographically spread-out deployments, or where collections reduction is important. The Smart Max can be deployed standalone or in combination with any other Bigbelly bin type to form a multi-stream kiosk.

With its fully-enclosed Hopper disposal interface, the Smart Max is uniquely equipped to keep waste contained and out of sight, even from trash pickers. The integrated compactor provides 5-10x greater capacity compared to traditional waste bins and is designed for high-waste volume locations.

The Smart Max 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, enabling streamlined and measurable waste management operations. The built-in LEDs on the front of the bin also indicate fullness status. The bin can be solar-powered for outdoor use or AC-powered for indoor use.

Waste Interfaces and Streams

Hopper, Chute, or Open Disposal Interface
Waste, Single-Stream Recycling, or Compost

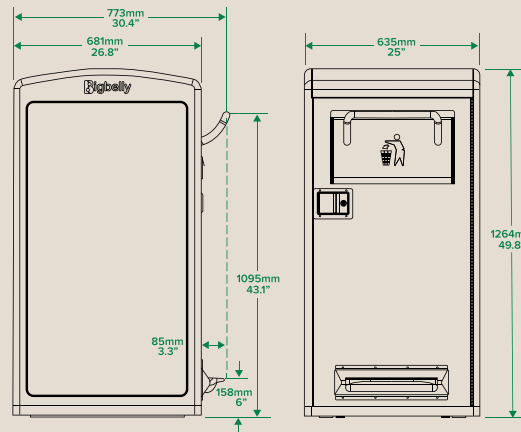


Hopper Disposal Interface
with Foot Pedal



Chute Disposal Interface
with Foot Pedal

Technical Specifications



Overall Machine Dimensions

- Height: 49.8" (1264 mm)
- Width: 25" (635 mm)
- Depth: 26.8" (681 mm)
- Handle Height (ADA Compliant): 43.1" (1095 mm)
- Weight: 270 lbs (122 kg)
- Shipping weight: 300 lbs (136.08 kg)
- Bin Volume (Hopper or Chute): 32 gal (120 L) compacted trash; approx. 150 gal (568 L) uncompacted trash.
- Bin Dimension: 24" x 20.4" x 21.65" (609 mm x 518 mm x 549 mm)

Disposal Interface Dimensions

- Hopper Opening: 16.5"W x 5"H x 8"D (419 mm x 127 mm x 203 mm)
- Chute Opening: 16"W x 5.5"H x 15"D (406 mm x 140 mm x 381 mm)



Bigbelly Smart Max



FULLY ENCLOSED



CLEAN™ CONNECTED



FULLNESS INDICATOR



COMPACTOR

Technical Specifications - Continued

Bigbelly Smart Max Features

- Bigbelly's fully-enclosed Hopper disposal interface, standard on Smart Max bins, eliminates visible waste, rat and pest access, windblown litter, and prevents strewn litter caused by trash picking. The Hopper incorporates a 70° dump angle which reduces waste disposal jams.
- Fully-automated and microprocessor-controlled, the Smart Max communicates its information and status to Bigbelly's CLEAN™ Management Console and CLEAN™ Mobile via a built-in telecom data link.
- Embedded sensors detect fullness level, overflows, Hopper activity, and front door openings. The bin's location is established and monitored by onboard GPS.
- LED indicators on the front of the Smart Max display readiness to collect status (fullness level or age of waste), machine status, and error codes.
- Unique built-in compaction technology delivers 5-10x compaction ratio due to superior compaction penetration (ram travels to 9" from bottom of bin).
- The integrated Foot Pedal provides hands-free use.

Safety Features

- CE marked
- Hopper disposal interface provides a physical barrier between the user and the compacting mechanism
- Soft-open Hopper response with use of Foot Pedal
- Interlocked access doors protect users and service personnel
- Collection door automatically locks when closed
- No pinch points, sharp edges or corners

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 20" (508 mm) of water without harming the electronics
 - 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

- Average operation uses less than 3 Wh energy per day, ensuring performance in any location, including in shade and under cloud cover
- Patented Skip-a-Cycle™ energy management technology protects against battery damage
- 28 Ah sealed lead acid, maintenance-free, extended life battery with insulation for optimized performance (average lifespan 5-8 years)
- Solar panel (up to 40 W)
- Solar panel protected by polycarbonate bubble
- Self-powered unit requires no wiring

Options and Accessories

- Chute disposal interface
- Custom Graphic Wraps, Message Panels, and Stickers
- Wheeled Interior Lift Bin (bar and comb styles)
- AC Adapter for indoor use
- Bigbelly ACS (Access Control System) for keyless access control
- Ashtray and Stub-out Plates
- Remote Lock for Chute disposal interface
- Security Management System with Physical Plates
- Odor Mask



Bigbelly Smart

Built on Bigbelly's fundamentally better bin, the Smart is a 50-gallon (189 L) capacity, CLEAN™ connected bin - ideal for geographically spread-out deployments, or where collections reduction is important. The Smart can be deployed standalone or in combination with any other Bigbelly bin type to form a multi-stream kiosk.

With its fully-enclosed Chute disposal interface, the Smart is uniquely equipped to keep waste contained and out of sight. The Smart has an inner bin capacity that is 1.7x greater than a traditional waste bin.

The Smart 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, enabling streamlined and measurable waste management operations. The built-in LEDs on the front of the bin also indicate fullness status. The bin comes standard with a 5-year battery or, optionally, it can be solar-powered.

Waste Interfaces and Streams

Hopper, Chute, or Open Disposal Interface
Waste, Single-Stream Recycling, or Compost



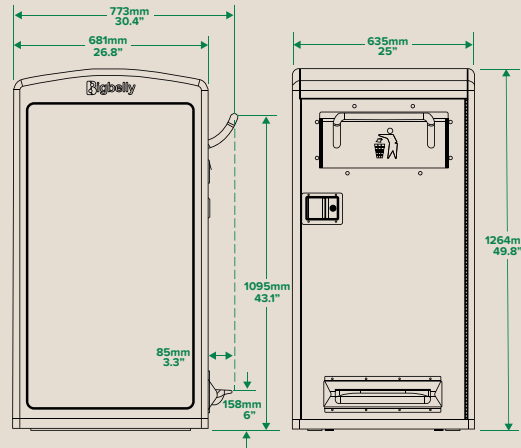
Hopper Disposal Interface
with Foot Pedal

Open Disposal Interface



Chute Disposal Interface
with Foot Pedal

Technical Specifications



Overall Machine Dimensions

- Height: 49.8" (1264 mm)
- Width: 25" (635 mm)
- Depth: 26.8" (681 mm)
- Handle Height (ADA Compliant): 43.1" (1095 mm)
- Weight: 150 lbs (68 kg)
- Shipping Weight: 180 lbs (82 kg)
- Bin Volume (Chute or Open): 50 gal (189 L)
- Bin Volume (Hopper): 32 gal (120 L)
- Bin Dimension (50 gal): 25" x 20" x 32.25"
(635 mm x 508 mm x 819 mm)
- Bin Dimension (32 gal): 24" x 20.4" x 21.65"
(609 mm x 518 mm x 549 mm)

Disposal Interface Dimensions

- Chute Opening: 16"W x 5.5"H x 15"D
(406 mm x 140 mm x 381 mm)
- Hopper Opening: 16.5"W x 5"H x 8"D
(419 mm x 127 mm x 203 mm)
- Open Interface Openings:
 - Waste: 16"W x 6"H (406 mm x 152 mm)
 - Single-Stream: 11"W x 5"H (279 mm x 127 mm)
 - Paper: 11"W x 2"H (279 mm x 51 mm)
 - Bottles & Cans: 5" dia. (127 mm dia.)

Bigbelly



Bigbelly Smart



FULLY ENCLOSED



CLEAN™ CONNECTED



FULLNESS INDICATOR

Technical Specifications - Continued

Bigbelly Smart Features

- Bigbelly's fully-enclosed Chute disposal interface, standard on Smart bins, eliminates visible waste, rat and pest access, and windblown litter.
- Fully-automated and microprocessor-controlled, the Smart 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 display readiness to collect status (fullness level or age of waste), machine status, and error codes.
- 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

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

- 5-year, maintenance-free, alkaline battery
- Optional solar panel (up to 40W)
- Solar panel protected by polycarbonate bubble
- Self-powered unit requires no wiring
 - Companion unit powered by hub unit

Options and Accessories

- Hopper disposal interface and Open disposal interface
- Custom Graphic Wraps, Message Panels, and Stickers
- Wheeled Interior Lift Bin (bar and comb styles)
- Bigbelly ACS (Access Control System) for keyless access control
- Ashtray and Stub-out Plates
- Remote Lock for Chute disposal interface
- Security Management System with Physical Plates
- Odor Mask



Bigbelly Sense Max

Built on Bigbelly's fundamentally better bin, the Sense Max is a 150-gallon (570 L) capacity, compacting bin with built-in LED indicators that provide bin fullness status at a glance - ideal for deployments where collection staff are nearby. The Sense Max can be deployed standalone or in combination with any other Bigbelly bin type to form a multi-stream kiosk.

With its fully-enclosed Hopper disposal interface, the Sense Max is uniquely equipped to keep waste contained and out of sight, even from trash pickers. The integrated compactor provides 5-10x greater capacity compared to traditional waste bins and is designed for high-waste volume locations.

The Sense Max is equipped with sensors that monitor and indicate fullness level. The Sense Max can be solar-powered for outdoor use or AC-powered for indoor use.

Waste Interfaces and Streams

Hopper, Chute, or Open Disposal Interface
Waste, Single-Stream Recycling, or Compost

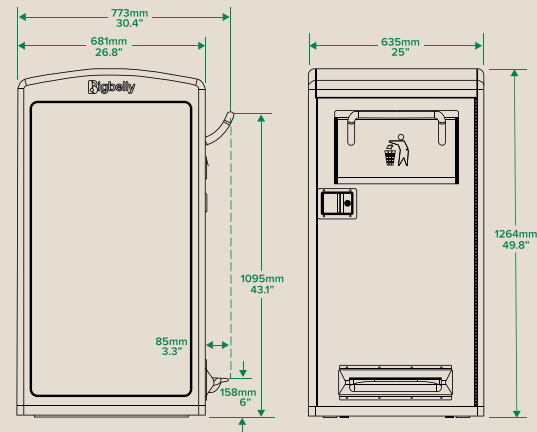


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- Embedded sensors detect fullness level.
- LED indicators on the front of the Sense Max display readiness to collect status (fullness level), machine status, and error codes.
- Unique built-in compaction technology delivers a 5-10x compaction ratio due to superior compaction penetration (ram travels to 9" from bottom of bin).
- The integrated Foot Pedal provides hands-free use.

Safety Features

- CE marked
- Hopper disposal interface provides a physical barrier between the user and the compacting mechanism
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- Interlocked access doors protect users and service personnel
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- Security Plates
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The Sense is equipped with sensors that monitor and indicate fullness level. The Sense is powered by a maintenance free 5-year battery and can be deployed indoors or outdoors.

Waste Interfaces and Streams

Hopper, Chute, or Open Disposal Interface
Waste, Single-Stream Recycling, or Compost



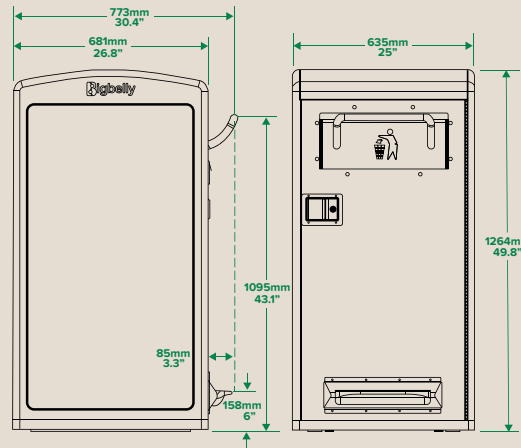
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- Handle Height (ADA Compliant): 43.1" (1095 mm)
- Weight: 150 lbs (68 kg)
- Shipping Weight: 180 lbs (82 kg)
- Bin Volume (Chute or Open): 50 gal (189 L)
- Bin Volume (Hopper): 32 gal (120 L)
- Bin Dimension (50 gal): 25" x 20" x 32.25"
(635 mm x 508 mm x 819 mm)
- Bin Dimension (32 gal): 24" x 20.4" x 21.65"
(609 mm x 518 mm x 549 mm)

Disposal Interface Dimensions

- Chute Opening: 16"W x 5.5"H x 15"D
(406 mm x 140 mm x 381 mm)
- Hopper Opening: 16.5"W x 5"H x 8"D
(419 mm x 127 mm x 203 mm)
- Open Interface Openings:
 - Waste: 16"W x 6"H (406 mm x 152 mm)
 - Single-Stream: 11"W x 5"H (279 mm x 127 mm)
 - Paper: 11"W x 2"H (279 mm x 51 mm)
 - Bottles and Cans: 5" dia. (127 mm dia.)



Bigbelly Sense



FULLY ENCLOSED



FULLNESS INDICATOR

Technical Specifications - Continued

Bigbelly Sense Features

- Bigbelly's fully-enclosed Chute disposal interface, standard on Sense bins, eliminates visible waste, rat and pest access, and windblown litter.
- Embedded sensors detect fullness level.
- LED indicators on the front of the Sense display readiness to collect status (fullness level), machine status, and error codes.
- 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

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

- 5-year, maintenance-free, alkaline battery
- Self-powered unit requires no wiring
 - Companion unit powered by hub unit

Options and Accessories

- Hopper disposal interface and Open disposal interface
- Custom Graphic Wraps, Message Panels, and Stickers
- Wheeled Interior Lift Bin (bar and comb styles)
- Ashtray and Stub-out Plates
- Security Plates
- Odor Mask



Bigbelly Element

Fundamentally a better bin, the Bigbelly Element is uniquely equipped to keep waste contained and out of sight with its fully-enclosed Chute disposal interface. The Element is ideal to augment Smart or Sense deployments or for applications where bin fullness indication or CLEAN™ is not needed.

With an inner bin capacity of 50 gallons (189 L), the Element holds 1.7x more waste than a traditional bin.

The Element can be deployed standalone or in combination with any other Bigbelly bin to form a multi-stream kiosk.

The Element is Bigbelly's simplest bin; it contains no electronics or sensors. Just the essentials.

Waste Interfaces and Streams

Hopper, Chute, or Open Disposal Interface
Waste, Single-Stream Recycling, or Compost



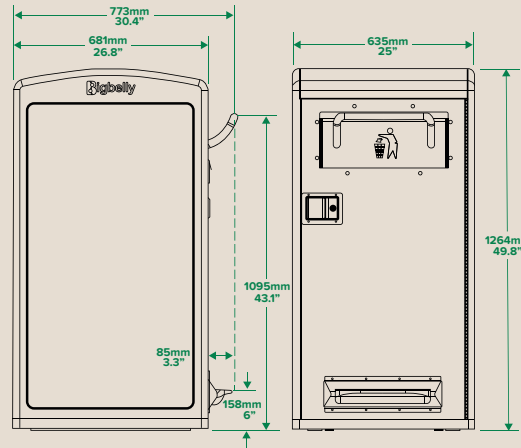
Hopper Disposal Interface
with Foot Pedal

Open Disposal Interface



Chute Disposal Interface
with Foot Pedal

Technical Specifications



Overall Machine Dimensions

- Height: 49.8" (1264 mm)
- Width: 25" (635 mm)
- Depth: 26.8" (681 mm)
- Handle Height (ADA Compliant): 43.1" (1095 mm)
- Weight: 150 lbs (68 kg)
- Shipping Weight: 180 lbs (82 kg)
- Bin Volume (Chute or Open): 50 gal (189 L)
- Bin Volume (Hopper): 32 gal (120 L)
- Bin Dimension (50 gal): 25" x 20" x 32.25" (635 mm x 508 mm x 819 mm)
- Bin Dimension (32 gal): 24" x 20.4" x 21.65" (609 mm x 518 mm x 549 mm)

Disposal Interface Dimensions

- Chute Opening: 16"W x 5.5"H x 15"D (406 mm x 140 mm x 381 mm)
- Hopper Opening: 16.5"W x 5"H x 8"D (419 mm x 127 mm x 203 mm)
- Open Interface Openings:
 - Waste: 16"W x 6"H (406 mm x 152 mm)
 - Single-Stream: 11"W x 5"H (279 mm x 127 mm)
 - Paper: 11"W x 2"H (279 mm x 51 mm)
 - Bottles and Cans: 5" dia. (127 mm dia.)



Bigbelly Element



FULLY ENCLOSED

Technical Specifications - Continued

Bigbelly Element Features

- Bigbelly's fully-enclosed Chute disposal interface, standard on Element bins, eliminates visible waste, rat and pest access, and windblown litter.
- 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

Durability

- Weather-resistant, UV-stabilized polyester powder-coat finish on all exterior parts

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

- None

Options and Accessories

- Hopper disposal interface and Open disposal interface
- Custom Graphic Wraps, Message Panels, and Stickers
- Wheeled Interior Lift Bin (bar and comb styles)
- Ashtray and Stub-out Plates
- Security Plates
- Odor Mask

