

Cigarette Butt Bin Fact Sheet

ENVIROPOLE COMPACT 500

Cigarette Butt Bins

Cigarette butts are consistently the most littered items, making up about 40% of all littered items in NSW. Butts are made of plastic, don't break down, and contain toxic chemicals that leach into the environment.

Cigarette butt bins are designed to safely capture cigarette butt litter. Sometimes they have features to extinguish the butts, such as butt-out plates, restricted air flow or a non-flammable liquid. Butt bins can stand alone, be attached or built-in to a standard litter bin enclosure, or mounted on a wall or a pole. Some also have an ash tray.

The Enviropole COMPACT 500

This cigarette butt bin is a cylinder that can be mounted on a bin, or on its own on a pole. It has a lid with nine or ten small openings, and an internal cylinder filled with liquid to extinguish the butts that are dropped in. The lid is angled to prevent butts and other rubbish from being left on top. There is no separate ash tray, although smokers can extinguish butts on the lid.

Suitable locations

This bin style can be used wherever a standard litter bin is used, or in medium pedestrian traffic locations where there is limited space.



Source: Envirocorp

FAST FACTS

Shape: Cylinder

Size: Medium

Butt-out plate: No

Ash tray: No

Capacity: 3.5 L

Holds: 2,000 butts

Key features

- Type:** Bin or pole-mounted cylinder
- Design:** Small round openings in a lockable lid on a cylinder, with a removable internal cylinder filled with liquid to collect the butts.
- Material:** Polished stainless steel external cylinder, and stainless steel internal cylinder.

Criteria Ratings

Cost	
Purchase and installation	\$\$\$
Emptying	\$\$
Cleaning and maintenance	\$
Function	
Easy for smokers to use	□□□
Holds a lot of butts	□□□□□
Good for recycling butts	□□□□□
Amenity	
Looks good	□□□□□
Safe to use	□□□□□
Secure and sturdy	□□□□□
Servicing	
Easy to obtain and install	□□□□□
Easy to empty	□□□□
Easy to clean and maintain	□□□□

Technical information

Dimensions (approx.):	Openings: 15 mm External: 125 mm (dia) x 505 mm (H) Internal: 100 mm (dia) x 428 mm (H)
Container weight:	5 kg
Container volume:	3.5 L ~ 2,000 butts
Emptying method:	The lid is opened and the internal cylinder lifted out via a handle at the top, then tipped into a separate bin.
Fire suppression:	Extinguishing liquid in internal cylinder.
Installation:	The cylinder has a stainless steel mounting bracket for easy installation on bins, poles and walls, either with bolts or rivets.
Tampering protection:	The bracket is durable and the cylinder is difficult to remove. The lock on the lid is also durable and has a unique triangle key. Once inside the bin the butts are rendered unusable.
More information:	Envirocorp Group Pty Ltd 47 Rodeo Dr, Dandenong South VIC Australia 3175 1300 428 887 enviropoles.com.au



Source: Asterisk One

Strengths

- The design is clean and attractive. The bin is easy to see and can be installed at a moderate height.
- The materials used are durable. There are moving parts but these are simple and do not require regular maintenance. The opening and surrounds are simple and smooth and therefore quick and easy to clean. The design and materials used mean the bin will remain attractive over its useful life.
- The bins are safe to use. Although there is no butt-out plate, the design prevents rubbish fires and smouldering as butts are kept separate from other litter, and are extinguished once inside the bin.
- Good for recycling butts as the design limits contamination, and butts can be emptied into a separate bin for recycling if desired.
- Can be attached to, or located near, a regular a waste bin that smokers can use for other rubbish.
- It is difficult to tamper with the opening and cylinder to scavenge for butts. Butts are rendered unusable once inside the bin.
- Information on features and appropriate use, order forms and unit pricing, and installation instructions were comprehensive and easy to obtain.
- The bins are easy to empty, and Envirocorp provides an emptying service that recycles the butts collected. They also maintain and repair the bollards as needed.

Weaknesses

- The openings for the butts are small, and require smokers to accurately place butts in the bin. Where the openings are missed, butts will slide off the lid and onto the ground around the bin.
- There is no separate butt-out plate or ash tray, and where smokers butt-out on the lid, the polished stainless steel surface is easily tarnished.

User experiences

Byron Shire Council has installed 140 pole mounted Compact 500s in a variety of locations. Envirocorp maintain and empty the bins, and Council stores the butts until there is enough to be collected for recycling. The bins have been added to Council's asset management system, and Envirocorp uses this system to track condition and maintenance. To date, the Council has been very satisfied with the bins, and the emptying and maintenance service.

Cigarette Butt Bin Fact Sheet

UFF BB01 BUTT BIN

Cigarette Butt Bins

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Cigarette butt bins are designed to safely capture cigarette butt litter. Sometimes they have features to extinguish the butts, such as butt-out plates, restricted air flow or a non-flammable liquid. Butt bins can stand alone, be attached or built-in to a standard litter bin enclosure, or mounted on a wall or a pole. Some also have an ash tray.

The BB01 BUTT BIN

Urban Fountains and Furniture's BB01 Butt Bin is a cylinder that can be attached to the side of a standard litter bin enclosure or on a pole. It has a bowl at the top providing a butt-out plate and ash tray, with a small opening at the bottom of the bowl, through which butts can fall into the cylinder below. The bin is emptied via a key-operated flap at the base of the cylinder.

Suitable locations

This bin style is appropriate in high pedestrian traffic locations with limited space, and can be attached to a litter bin where all types of litter require disposal.



Source: Urban Fountains and Furniture

FAST FACTS

Shape: Cylinder

Size: Large

Butt-out plate: Yes

Ash tray: Yes

Capacity: 5 L

Holds: 3,000 butts

Key features

- Type:** Bin or pole mounted cylinder
- Design:** A bowl at the top of the cylinder functions as a butt-out plate and ash tray. An opening at the base of the bowl allows butts to fall by gravity into the cylinder below. A key-operated flap allows for non-contact emptying of the bin.
- Material:** Stainless steel bowl and cylinder, and zinc-plated base plate.

Criteria Ratings

Cost	
Purchase and installation	\$\$\$
Emptying	\$
Cleaning and maintenance	\$
Function	
Easy for smokers to use	□□□□□
Holds a lot of butts	□□□□
Good for recycling butts	□□□□
Amenity	
Looks good	□□□□
Safe to use	□□□□
Secure and sturdy	□□
Servicing	
Easy to obtain and install	□□□□
Easy to empty	□□□□□
Easy to clean and maintain	□□□

Technical information

Dimensions (approx.):	Opening: 40 mm diameter Cylinder: 152 mm (dia) x 350 mm (H)
Container volume:	5 L ~ 3,000 butts
Emptying method:	The flap at the bottom is opened with a key and the butts fall out into a separate bin.
Fire suppression:	None
Installation:	The bin can easily be attached to the side of a standard bin enclosure.
Tampering protection:	The opening for capturing the butts is small and limits access to the container from the front. However, the flap at the bottom can be broken into easily.
More information:	Urban fountains and Furniture 5 Telford Circuit, Yatala, QLD, 4207 07 3382 7272 urbanfountainsfurniture.com.au



Source: Brisbane City Council

Strengths

- The design is clean and attractive. The bin is easy to see and can be installed at a suitable height.
- The bin has a large capacity.
- Materials used are durable. The opening and surrounds are simple and smooth and therefore quick and easy to clean.
- There is a butt-out plate, and butts are kept separate from other litter. This limits the potential for fires. However, there are no measures to limit butts from smouldering inside the bin.
- The butt-out plate and ash-tray are above the opening, so ash does not fall on to the hand of a smoker placing a butt in the bin.
- Although the opening for the butts is small, the sloping ash tray around the opening means that most butts tossed toward the bin are captured, and all ash and butts fall naturally into the opening.
- Good for recycling butts as the design limits contamination, and butts can be emptied into a separate bin for recycling if desired.
- Can be attached to a waste bin that smokers can use for other rubbish, or located near a regular litter bin.
- Information on features and specifications, order forms and pricing, and installation and maintenance instructions were comprehensive and easy to obtain.
- The bins are very easy to empty.

Weaknesses

- It is easy to tamper with the flap at the bottom to scavenge for butts. There are moving parts that are easy to break and then require maintenance. Once the flap is broken the bin no longer contains the butts, which end up on the ground around the bin.

User experiences

This bin has been used extensively by Brisbane City Council. However, the Council has found that people often pry open the flap at the bottom, rendering the bin unusable. Butts are then found scattered on the ground beneath the bin. This has prompted their work to design a more tamper-proof style of bin.

Cigarette Butt Bin Fact Sheet

TZANNES / ABUD BUILT-IN

Cigarette Butt Bins

Cigarette butts are consistently the most littered items, making up about 40% of all littered items in NSW. Butts are made of plastic, don't break down, and contain toxic chemicals that leach into the environment.

Cigarette butt bins are designed to safely capture cigarette butt litter. Sometimes they have features to extinguish the butts, such as butt-out plates, restricted air flow or a non-flammable liquid. Butt bins can stand alone, be attached or built-in to a standard litter bin enclosure, or mounted on a wall or a pole. Some also have an ash tray.

The ABUD Built-In

This cigarette butt bin is a custom style unique to litter bin enclosures designed for the City of Sydney by Tzannes and manufactured by Australian Built Urban Designs (ABUD). The top of the enclosure has a small opening on one side, with a small butt-out plate, and a rectangular butt container beneath the slot.

Suitable locations

This butt bin can be used wherever a standard litter bin enclosure is used, and is suitable for medium traffic areas.



Source: Asterisk One

FAST FACTS

Shape: Rectangular

Size: Small

Butt-out plate: Yes

Ash tray: No

Capacity: 2 L

Holds: 1,000 butts

Key features

- Type:** Built-in to litter bin enclosure
- Design:** Small opening in the top of bin enclosure with a butt-out plate. The butt-out plate slopes into the opening. A rectangular butt container is attached to the enclosure door beneath the slot. The container sits in a bracket attached to the door, and has a handle for easy removal when the door is opened.
- Material:** Stainless steel butt-out plate and butt container.

Criteria Ratings

Cost	
Purchase and installation	\$\$\$
Emptying	\$
Cleaning and maintenance	\$
Function	
Easy for smokers to use	□□□□
Holds a lot of butts	□□
Good for recycling butts	□□□□
Amenity	
Looks good	□□□□
Safe to use	□□
Secure and sturdy	□□□
Servicing	
Easy to obtain and install	□
Easy to empty	□□□□
Easy to clean and maintain	□□□□

Technical information

Dimensions (approx.):	Opening: Rectangle 100 mm x 30 mm
	Container: 200 mm (W) x 50 mm (D) x 200 mm (H)
Container volume:	2 L ~ 1,000 butts
Emptying method:	The bin enclosure must be opened, the butt container removed and emptied into the waste bin, or a separate bin.
Fire suppression:	None
Installation:	The butt bin is an integral part of the litter bin enclosure.
Tampering protection:	The opening for capturing the butts is small and limits access to the container from the top. However, the container is attached to the door of the enclosure and can be easily accessed if the door is forced open.
More information:	ABUD 82 Oak Road Kirrawee NSW 2232 02 9710 9501 abud.com.au



Source: Asterisk One

Strengths

- The design is clean and attractive. The butt-out plate and opening are at a moderate height, and there is a place for smokers to extinguish butts.
- The materials used are durable, and the opening and surrounds are simple and rounded, and easy to clean. There are few moving parts that require maintenance. The design and materials used mean the bin will remain attractive over its useful life.
- The bins are easy to empty with just a few steps, as the waste bin does not need to be removed, and there is a handle on the butt container so it can easily be lifted out of the holding brackets.
- Good for recycling butts as the design limits contamination, and butts can be emptied into a separate bin for recycling if desired.
- There is a butt-out plate so butts can be extinguished before being placed in the bin, and butts are kept separate from other waste. However, there is no means of preventing smouldering of butts.
- Is attached to a waste bin that smokers can use for other rubbish.
- It is difficult to tamper with the opening to scavenge for butts. However, there is limited protection of the butt container if the enclosure door is forced open.

Weaknesses

- The opening and butt-out plate are hard to see, and not immediately obvious to smokers.
- The butt-out plate is flat, and butts can accumulate on the top of the enclosure, making it unpleasant for non-smokers to use. Butts that miss the opening can fall to the ground, although some can also end up in the waste bin.
- Must be purchased as part of a bin enclosure.
- Information on features and appropriate use, order forms and unit pricing, and installation instructions not publicly available.

User experiences

The City of Sydney has over 800 street litter bins, and are progressively upgrading these to this style. The bins are effective and well-used. Although this style of bin allows separate butt collection, all butt litter is currently disposed of with general street litter.

Cigarette Butt Bin Fact Sheet

DRAFFIN BUILT-IN

Cigarette Butt Bins

Cigarette butts are consistently the most littered items, making up about 40% of all littered items in NSW. Butts are made of plastic, don't break down, and contain toxic chemicals that leach into the environment.

Cigarette butt bins are designed to safely capture cigarette butt litter. Sometimes they have features to extinguish the butts, such as butt-out plates, restricted air flow or a non-flammable liquid. Butt bins can stand alone, be attached or built-in to a standard litter bin enclosure, or mounted on a wall or a pole. Some also have an ash tray.

The Draffin Built-In

This cigarette butt bin is a small bin that can be integrated into the side of a standard litter bin enclosure. It comprises a square insert with two small rectangular slots to capture the butts. There is limited space to stub out butts, and no separate ash tray. Butts are collected in a removable rectangular box hung on the inside of the enclosure door.

Suitable locations

This bin style can be used wherever a standard litter bin enclosure is used. The bin enclosure must be constructed of material of sufficient strength to support the butt bin.



Source: Asterisk One

FAST FACTS

Shape: Rectangular

Size: Small

Butt-out plate: No

Ash tray: No

Capacity: 2 L

Holds: 1,000 butts

Key features

- Type:** Built-in to standard bin enclosure
- Design:** Square face with two small rectangular slots to capture butts; rectangular container to collect butts.
- Material:** Stainless steel face, galvanised steel butt container

Criteria Ratings

Cost	
Purchase and installation	\$\$
Emptying	\$\$
Cleaning and maintenance	\$\$
Function	
Easy for smokers to use	□□
Holds a lot of butts	□□
Good for recycling butts	□□
Amenity	
Looks good	□□
Safe to use	□
Secure and sturdy	□□
Servicing	
Easy to obtain and install	□
Easy to empty	□□□
Easy to clean and maintain	□

Technical information

Dimensions (approx.):	Face: 300 mm (W) x 200 mm (H) x 50 mm (D) Openings: 2 openings each 20 mm (W) x 60 mm (D) Container: 200 mm (W) x 200 mm (H) x 50 mm (D)
Container volume:	2 L ~ 1,000 butts
Emptying method:	Bin enclosure must be opened and the butt container emptied either into the bin in the enclosure, or a separate bin.
Fire suppression:	None
Installation:	The butt bin can be installed by cutting an opening in the wall of the bin enclosure and fixing it via rivets.
Tampering protection:	The openings for capturing the butts are small and limit access to the container from the front. Prevention of access to the butt container otherwise relies on the adequacy of the enclosure door lock, however the butt container can be chained to the enclosure to prevent it from being stolen.
More information:	Draffin Street Furniture 9 Edelmaier Street Bayswater VIC 3153 1300 372 334 draffin.com.au



Source: Asterisk One

Strengths

- Relatively inexpensive to purchase and install.
- There are no moving parts requiring regular maintenance.
- The butt bin is easy to see, is at a moderate height.
- Good for recycling butts as the design limits contamination, and butts can be emptied into a separate bin for recycling if desired.
- Is attached to a waste bin that smokers can use for other rubbish.

Weaknesses

- As the butt bin is installed on the door of the bin enclosure, scavengers can find it easy to break in to the bin enclosure and steal the butt container.
- No fire suppression by design or via extinguishing liquid.
- Parts, such as the butt container, are expensive to replace.
- There is no butt-out plate for smokers to extinguish butts before disposing of them.
- The openings for the butts are small, and butts thrown at the bin will not always be captured. Butts can fall to the ground in front of the bin.
- Information on features and appropriate use, order forms and unit pricing, and installation instructions not publicly available.
- The butt bin face is square and has angles and corners and is therefore moderately difficult to keep clean.

User experiences

One council in metropolitan Sydney has experienced issues with this type of butt bin, where scavengers break into the bin enclosure to steal the butt containers to harvest the butts. The cost to replace the butt containers across all the bins in use in the council area is about \$20,000 per year. The Council has also found that only about half the butts end up in the butt bin, the remainder are left on the ground around the bin.

Cigarette Butt Bin Fact Sheet

GOSSI BUILT-IN

Cigarette Butt Bins

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Cigarette butt bins are designed to safely capture cigarette butt litter. Sometimes they have features to extinguish the butts, such as butt-out plates, restricted air flow or a non-flammable liquid. Butt bins can stand alone, be attached or built-in to a standard litter bin enclosure, or mounted on a wall or a pole. Some also have an ash tray.

The Gossi Built-In

This cigarette butt bin is a small container that can be incorporated into a standard litter bin enclosure that has a flat or gently sloping top. It comprises a small opening in the top of the enclosure, and a cylinder attached to the inside of the enclosure beneath the opening. There is no separate ash tray or butt-out plate, although smokers can extinguish butts on the top of the bin enclosure.

Suitable locations

This bin style can be used wherever a standard litter bin enclosure is used, in low to medium traffic areas.



Source: Asterisk One

FAST FACTS

Shape: Cylinder

Size: Very Small

Butt-out plate: No

Ash tray: No

Capacity: 1 L

Holds: 500 butts

Key features

- Type:** Built-in to standard bin enclosure
- Design:** Small round opening, and cylinder to collect butts. The cylinder is attached to the bin enclosure via a hinge, and tips over when being emptied.
- Material:** Stainless steel opening and cylinder container

Criteria Ratings

Cost	
Purchase and installation	\$\$
Emptying	\$
Cleaning and maintenance	\$
Function	
Easy for smokers to use	□□□
Holds a lot of butts	□
Good for recycling butts	□□□
Amenity	
Looks good	□□□
Safe to use	□
Secure and sturdy	□□□□
Servicing	
Easy to obtain and install	□
Easy to empty	□□
Easy to clean and maintain	□□□□

Technical information

Dimensions (approx.):	Opening: 1 opening 30 mm diameter Container: Cylinder 70 mm (dia) x 300 mm (H)
Container volume:	1 L ~ 500 butts
Emptying method:	The bin enclosure must be opened, the waste bin removed, then the cylinder unfastened and emptied into a separate container. This can be then emptied into the waste bin, or a separate bin.
Fire suppression:	None
Installation:	The butt bin is usually installed at the time of bin enclosure manufacture. Retrofitting to an existing enclosure requires the replacement of the top and one side panel of the enclosure.
Tampering protection:	The opening for capturing the butts is small and limits access to the butt container from the top. The cylinder inside is attached to the bin enclosure, and is on the side of the enclosure, not the door. The waste bin must be removed to access the cylinder.
More information:	Gossi Park & Street Furniture 1082 Kingsford Smith Drive, Eagle Farm QLD 4009 07 3877 2856 gossi.com.au



Source: Asterisk One

Strengths

- Relatively inexpensive to purchase and install. However, retrofitting can be expensive as it requires replacement of other components of the bin enclosure.
- The design is clean and attractive. With a large flat top on the bin enclosure, there is ample space for smokers to extinguish butts, even though there is no separate ash tray or butt-out plate.
- Butts that do not end up in the butt bin can fall by gravity into the regular bin.
- The materials used are durable. There are moving parts but these are simple and do not require regular maintenance. The opening and surrounds are simple and smooth and therefore quick and easy to clean.
- Good for recycling butts as the design limits contamination, and butts can be emptied into a separate bin for recycling if desired.
- Is attached to a waste bin that smokers can use for other rubbish.
- It is difficult to tamper with the opening and cylinder to scavenge for butts.

Weaknesses

- Although the opening is at a moderate height, it is very small, and very hard for smokers to see.
- No fire suppression by design or via extinguishing liquid.
- There is no butt-out plate for smokers, and as the top of the enclosure is flat, butts can accumulate around the top of the enclosure, making it unpleasant for non-smokers to use.
- Information on features and appropriate use, order forms and unit pricing, and installation instructions not publicly available.

User experiences

One council in metropolitan Sydney has found that, although small, these bins are effective, particularly in town centres where the bins are serviced daily. With appropriate signage, smokers find the opening, and there is very little butt litter around the bins.

Cigarette Butt Bin Fact Sheet

HUB BUILT-IN

Cigarette Butt Bins

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Cigarette butt bins are designed to safely capture cigarette butt litter. Sometimes they have features to extinguish the butts, such as butt-out plates, restricted air flow or a non-flammable liquid. Butt bins can stand alone, be attached or built-in to a standard litter bin enclosure, or mounted on a wall or a pole. Some also have an ash tray.

The Hub Built-In

This cigarette butt bin is a custom style unique to Hub Group Urban Bin enclosures. It comprises a triangular ash tray in the corner of the top of the litter bin enclosure with a small opening to a rectangular butt container beneath the ash tray attached to the side of the enclosure. The ash tray is flat, and butts must be placed in the opening.

Suitable locations

This butt bin can be used wherever a standard litter bin enclosure is used, and is suitable for medium traffic areas.



Source: Asterisk One

FAST FACTS

Shape: Rectangular

Size: Small

Butt-out plate: Yes

Ash tray: Yes

Capacity: 2 L

Holds: 1,000 butts

Key features

- Type:** Built-in to litter bin enclosure
- Design:** Triangular ash tray built-in to the corner of the top of the litter bin enclosure, with a rectangular butt container beneath.
- Material:** Powder-coated aluminium ash tray, galvanised steel butt container

Criteria Ratings

Cost	
Purchase and installation	\$\$
Emptying	\$\$
Cleaning and maintenance	\$\$\$
Function	
Easy for smokers to use	□□□
Holds a lot of butts	□□
Good for recycling butts	□□□
Amenity	
Looks good	□□
Safe to use	□
Secure and sturdy	□□□
Servicing	
Easy to obtain and install	□
Easy to empty	□□
Easy to clean and maintain	□□□

Technical information

Dimensions (approx.):	Opening: Triangle with sides 50 mm x 50 mm Container: 200 mm (W) x 50 mm (D) x 200 mm (H)
Container volume:	2 L ~ 1,000 butts
Emptying method:	The bin enclosure must be opened, the waste bin removed, the butt container removed and emptied into the waste bin, or a separate bin.
Fire suppression:	None
Installation:	The butt bin is an integral part of the litter bin enclosure.
Tampering protection:	The opening for capturing the butts is small and limits access to the container from the top. The container is attached to the side of the enclosure, rather than the door, and the waste bin must be removed to access the container.
More information:	Hub Group 10 Regent Street Chippendale NSW 2008 02 9212 7144 hub-group.com



Source: Asterisk One

Strengths

- The design is clean and attractive. The ash tray and opening are at a moderate height and easy to see, and there is space for smokers to extinguish butts.
- Good for recycling butts as the design limits contamination, and butts can be emptied into a separate bin for recycling if desired.
- Is attached to a waste bin that smokers can use for other rubbish.
- It is difficult to tamper with the opening and butt container to scavenge for butts. However, enclosure doors damage easily.

Weaknesses

- Must be purchased as part of a bin enclosure.
- The ash tray is flat, and butts can accumulate on the tray, making it unpleasant for non-smokers to use.
- No fire suppression by design or via extinguishing liquid.
- The powder-coated aluminium used for the ash tray is easily damaged by butts being stubbed out, and quickly deteriorates and looks unattractive. The opening and surrounds are simple and rounded, but are difficult to clean because of the type of material, and the cover on the bin enclosure.
- Information on features and appropriate use, order forms and unit pricing, and installation instructions not publicly available.

User experiences

One council in metropolitan Sydney has installed these bins in several town centres, and found them to be easy to use and effective. However, doors on the bin enclosures damage easily, and this allows butt scavenging.

Cigarette Butt Bin Fact Sheet

SOURCE SEPARATION SYSTEMS BUILT-IN

Cigarette Butt Bins

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The Source Separation Systems Built-In

This cigarette butt bin comprises a small butt-out plate and butt container built-in to the top of a litter bin enclosure. The butt-out plate is flat, and has a small opening at the rear for butts to be placed into the container beneath. The container is fixed to the enclosure, with a hinge so that it can be emptied into the waste bin as required.

Suitable locations

This butt bin can be used wherever a standard litter bin enclosure is used, but has very limited capacity.



Source: Asterisk One

FAST FACTS

Shape: Rectangular

Size: Extra Small

Butt out plate: Yes

Ash tray: No

Capacity: 0.5 L

Holds: 250 butts

Key features

- Type:** Built-in to standard bin enclosure
- Design:** Small rectangular butt-out plate with opening at the rear built-in to the top of a litter bin enclosure. A non-removable butt container is beneath the butt-out plate, and has a hinge with a spring so it can be emptied.
- Material:** Stainless steel butt-out plate and butt container.

Criteria Ratings

Cost	
Purchase and installation	\$\$
Emptying	\$
Cleaning and maintenance	\$\$
Function	
Easy for smokers to use	□□□
Holds a lot of butts	□
Good for recycling butts	□□
Amenity	
Looks good	□□□
Safe to use	□□
Secure and sturdy	□□□
Servicing	
Easy to obtain and install	□□□
Easy to empty	□□□□
Easy to clean and maintain	□□

Technical information

Dimensions (approx.):	Plate: 100 mm (W) x 150 mm (D) Opening: 30 mm (D) x 70 mm (W) Container: 100 mm (W) x 100 mm (D) x 50 mm (H)
Container volume:	0.5 L ~ 200 butts
Emptying method:	The bin enclosure must be opened, then the butt container can be emptied into the waste bin. Alternatively, the waste bin can be removed, and the butt container emptied into a separate bin.
Fire suppression:	None
Installation:	Can be easily fitted to an existing bin enclosure by cutting a hole in the top, and installing the butt-out plate and butt container using bolts.
Tampering protection:	There is limited tampering protection. Butts can be removed from the container as the opening from the butt-out plate is sufficiently large. The butt container is easy to access once the enclosure door is opened.
More information:	Source Separation Systems 108 Munibung Road Boolaroo, NSW 2284 1300 739 913 sourceseparationsystems.com.au



Source: Asterisk One

Strengths

- The design is clean and attractive. The butt-out plate and opening are at a moderate height and easy to see, and there is place for smokers to extinguish butts.
- Good for recycling butts as the design limits contamination, and butts can be emptied into a separate bin for recycling if desired.
- Is attached to a waste bin that smokers can use for other rubbish.
- The materials used are durable, flat, smooth, and easy to clean.
- Easy to empty, if butts are not to be recycled. However, where butts are to be separated for recycling emptying requires additional steps.

Weaknesses

- The butt-out plate is flat, and butts can accumulate on the top of the bin enclosure, making it unpleasant for non-smokers to use.
- No fire suppression by design or via extinguishing liquid.
- Placement of the butt bin near the door results in it being damaged by the waste bin when it is emptied, and regular repairs and replacement parts are needed.
- It is easy to tamper with the opening and butt container to scavenge for butts. However, the limited capacity means scavenging is unattractive.
- Information on features and appropriate use, order forms and unit pricing, and installation instructions not publicly available.

User experiences

One council in metropolitan Sydney has installed these butt bins in several town centres, and found them to be easy to use and effective. Smokers use them and do not leave butts on the lid of the bin enclosure. However, Council has found the butt bins require regular repair. As the waste bin in the enclosure must be tipped upwards to be emptied, when the bin is placed back in the surround it hits the tray and weakens the spring that holds the tray in place. Placement of the tray on the side, away from the waste bin when it is emptied, is recommended.

Cigarette Butt Bin Fact Sheet

PBA SAFETY SMOKERS CEASE-FIRE

Cigarette Butt Bins

Cigarette butts are consistently the most littered items, making up about 40% of all littered items in NSW. Butts are made of plastic, don't break down, and contain toxic chemicals that leach into the environment.

Cigarette butt bins are designed to safely capture cigarette butt litter. Sometimes they have features to extinguish the butts, such as butt-out plates, restricted air flow or a non-flammable liquid. Butt bins can stand alone, be attached or built-in to a standard litter bin enclosure, or mounted on a wall or a pole. Some also have an ash tray.

The Smokers Cease-Fire

This cigarette butt bin is a stand-alone unit with an opening at the top of a long narrow neck leading to a large bowl at the base containing a galvanised bucket. There is a small butt-out plate beneath the opening.

Suitable locations

This bin style is most appropriate in designated workplace smoking areas as it is not fixed in place.

FAST FACTS

Shape: Cylinder

Size: Large

Butt-out plate: Yes

Ash tray: No

Capacity: 6 L

Holds: 3,000 butts

Key features

- Type:** Stand-alone unit, not fixed in place.
- Design:** Covered opening with butt-out plate beneath, at the top of a long narrow neck leading to a large bowl at the base containing a 9 L bucket. The bucket must be filled 1/3 with sand or otherwise weighted to prevent the unit from tipping over. Available in a variety of colours.
- Material:** High-density polyethylene with flame retardant additive. Galvanised bucket functions as a butt container.

Criteria Ratings

Cost	
Purchase and installation	\$\$
Emptying	\$\$
Cleaning and maintenance	\$
Function	
Easy for smokers to use	□□□
Holds a lot of butts	□□□□
Good for recycling butts	□
Amenity	
Looks good	□□□
Safe to use	□□□□
Secure and sturdy	□□
Servicing	
Easy to obtain and install	□□□□
Easy to empty	□□
Easy to clean and maintain	□□□□



Source: PBA Safety

Technical information

Dimensions (approx.):	Openings: 40 mm (dia) Unit: 900 mm (H) x 420 mm (base diameter)
Container volume:	2/3 of 9 L = 6 L ~ 3,000 butts
Emptying method:	The neck part of the unit must be unscrewed from the base, the bucket removed, and the butts scraped off the top of the sand and placed in a separate container. Alternatively, both sand and butts tipped into a waste bin, and the sand replaced. If a different weight is used, it must be separated from the butts before they are disposed of.
Fire suppression:	Long neck restricts oxygen supply to extinguish butts and suppress fires.
Installation:	Once the butt container has been filled with sand or other type of weight, it can be installed in any desired location.
Tampering protection:	There is no tampering protection. The neck can be easily removed to scavenge for butts.
More information:	PBA Safety Pty Ltd 02 6040 3888 www.pbasafety.com.au



Source: PBA Safety

Strengths

- The bin is easy to see and openings are at a moderate height. There is a butt-out plate for smokers to extinguish butts before dropping them into the bin.
- The bin has a large capacity.
- The material used is durable, although the polyethylene will degrade over time if exposed to weather and UV. There are no moving parts that require regular maintenance. The unit is smooth and reasonably easy to wipe down to keep clean.
- The bins are safe to use. The design limits oxygen supply and prevents rubbish fires and smouldering as butts are kept separate from other litter, and are extinguished once inside the bin.
- Information on features and appropriate use, order forms and unit pricing, and installation instructions were comprehensive and easy to obtain.

Weaknesses

- The openings for the butts are small, and require smokers to accurately place butts in the bin. Where the openings are missed, butts can fall onto the ground around the bin.
- The neck is narrow and may become blocked.
- The bin is difficult to empty, as butts must be scraped off the sand, or both sand and butts tipped into a waste bin, and the sand replaced. If a different weight is used, it must be separated from the butts before they are disposed of. Manual handling risks must be considered.
- Although butts are kept separate from other litter it is difficult for them to be recycled as they must be separated from the sand used to weight the unit.
- There is no separate waste bin for other rubbish generated by smokers eg. cigarette packaging, food waste, and coffee cups. However, the bin can be located near a regular litter bin.
- There is no tampering protection. The neck can be easily removed to scavenge for butts. As the unit is not fixed in place, it can be easily stolen.

Cigarette Butt Bin Fact Sheet

ENVIROPOLE BOLLARD

Cigarette Butt Bins

Cigarette butts are consistently the most littered items, making up about 40% of all littered items in NSW. Butts are made of plastic, don't break down, and contain toxic chemicals that leach into the environment.

Cigarette butt bins are designed to safely capture cigarette butt litter. Sometimes they have features to extinguish the butts, such as butt-out plates, restricted air flow or a non-flammable liquid. Butt bins can stand alone, be attached or built-in to a standard litter bin enclosure, or mounted on a wall or a pole. Some also have an ash tray.

The Enviropole Bollard

This cigarette butt bin is a large cylindrical bollard that can be located on its own or near a standard litter bin. It has a lid with nine or ten small openings, and an internal cylinder filled with liquid to extinguish the butts that are dropped in. The lid is angled to prevent butts and other rubbish from being left on top. There is no separate ash tray, although smokers can extinguish butts on the lid.

Suitable locations

This bin style is most appropriate in high traffic locations where there is limited space.



Source: Envirocorp

FAST FACTS

Shape: Cylinder

Size: Large or Very Large

Butt-out plate: No

Ash tray: No

Capacity: 7-9 L

Holds: 3,000 – 4,000 butts

Key features

- Type:** Stand-alone cylindrical bollard
- Design:** Small round openings in a lid on the bollard, with a removable internal cylinder filled with liquid to collect the butts. There are two sizes available, the Bollard 500 and the Bollard 600.
- Material:** Polished stainless steel external cylinder, and stainless steel internal cylinder.

Criteria Ratings

Cost	
Purchase and installation	\$\$\$\$
Emptying	\$\$\$
Cleaning and maintenance	\$
Function	
Easy for smokers to use	□□□
Holds a lot of butts	□□□□□
Good for recycling butts	□□□□□
Amenity	
Looks good	□□□□□
Safe to use	□□□□□
Secure and sturdy	□□□□□
Servicing	
Easy to obtain and install	□□□□□
Easy to empty	□□□□□
Easy to clean and maintain	□□□□

Technical information

Dimensions (approx.):	Openings: 15 mm Bollard 500: External: 125 mm (dia) x 910 mm (H) Internal: 100 mm (dia) x 856 mm (H) Bollard 600: External: 165 mm (dia) x 910 mm (H) Internal: 125 mm (dia) x 856 mm (H)
Container weight:	Bollard 500: 7 kg Bollard 600: 8 kg
Container volume:	Bollard 500: 7 L / 3,000 butts Bollard 600: 9 L / 4,000 butts
Emptying method:	The lid is opened and the internal cylinder lifted out via a handle at the top, then tipped into a separate bin.
Fire suppression:	Extinguishing liquid in internal cylinder.
Installation:	The bollard is attached to the ground using bolts. Use of a secure base such as a concrete pad at least 400mm deep is recommended.
Tampering protection:	The bollards are durable and cannot be moved when installed on a secure base. The lock on the lid is also durable and has a unique triangle key. Once inside the bin the butts are rendered unusable.
More information:	Envirocorp Group Pty Ltd 47 Rodeo Dr, Dandenong South VIC Australia 3175 1300 428 887 enviropoles.com.au



Source: Envirocorp

Strengths

- The design is clean and attractive. The bin is easy to see and openings are at a moderate height.
- The bin has a very large capacity.
- The materials used are durable. There are moving parts but these are simple and do not require regular maintenance. The opening and surrounds are simple and smooth and therefore quick and easy to clean. The design and materials used mean the bin will remain attractive over its useful life.
- The bins are safe to use. Although there is no butt-out plate, the design prevents rubbish fires and smouldering as butts are kept separate from other litter, and are extinguished once inside the bin.
- Good for recycling butts as the design limits contamination, and butts can be emptied into a separate bin for recycling if desired.
- It is difficult to tamper with the opening and cylinder to scavenge for butts. Butts are rendered unusable once inside the bin.
- Information on features and appropriate use, order forms and unit pricing, and installation instructions were comprehensive and easy to obtain.
- The bins are easy to empty, and Envirocorp provides an emptying service that recycles the butts collected. They also maintain and repair the bollards as needed.

Weaknesses

- The openings for the butts are small, and require smokers to accurately place butts in the bin. Where the openings are missed, butts will slide off the lid and onto the ground around the bin.
- There is no separate butt-out plate or ash tray, and where smokers butt-out on the lid, the polished stainless steel surface is easily tarnished.
- There is no separate waste bin for other rubbish generated by smokers eg. cigarette packaging, food waste, and coffee cups. However, the bin can be located near a regular litter bin.
- The internal cylinders are long and reasonably heavy, and emptying them requires care.

User experiences

Waverley council has installed Enviropole Bollard 600s in high traffic locations across the city, such as Bondi Junction. They have found the maintenance and emptying service to be more reliable than their internal operations.

Cigarette Butt Bin Fact Sheet

BUTT OUT WALL OR POLE MOUNTED BIN

Cigarette Butt Bins

Cigarette butts are consistently the most littered items, making up about 40% of all littered items in NSW. Butts are made of plastic, don't break down, and contain toxic chemicals that leach into the environment.

Cigarette butt bins are designed to safely capture cigarette butt litter. Sometimes they have features to extinguish the butts, such as butt-out plates, restricted air flow or a non-flammable liquid. Butt bins can stand alone, be attached or built-in to a standard litter bin enclosure, or mounted on a wall or a pole. Some also have an ash tray.

The Butt Out Wall or Pole Mounted Bin

This cigarette butt bin is a medium sized cylindrical receptacle that can be attached to a wall or pole. There is an angled butt-out plate at the top, an ash tray beneath the butt out plate, and several small holes at the rear of the ash tray. There is no separate container for the butts, and these are removed via a key operated and spring loaded flap at the base of the cylinder.

Suitable locations

This bin style is most appropriate in locations with limited space, and where they can be watched to limit tampering.



Source: Asterisk One

FAST FACTS

Shape: Cylinder
Size: Medium or Large
Butt-out plate: Yes
Ash tray: Yes
Capacity: 2.5 - 5 L
Holds: 1,500 – 3,000 butts

Key features

- Type:** Wall or pole-mounted cylinder
- Design:** Angled butt-out plate at the top of a cylinder, with an ash tray and openings for butt disposal beneath the butt out plate. A key-operated & spring loaded flap door allows for non-contact emptying of butts. The cylinder has a bracket for mounting on a wall or post. There are two sizes available, the Jumbo Canister Butt Out Bin, and the Large Butt Out Bin.
- Material:** Polished high grade stainless steel with high graffiti resistance.

Criteria Ratings

Cost	
Purchase and installation	\$\$\$
Emptying	\$
Cleaning and maintenance	\$
Function	
Easy for smokers to use	□□□
Holds a lot of butts	□□□
Good for recycling butts	□□□
Amenity	
Looks good	□□□
Safe to use	□□□
Secure and sturdy	□□
Servicing	
Easy to obtain and install	□□□□
Easy to empty	□□□□□
Easy to clean and maintain	□□□

Technical information

Dimensions (approx.):	Openings: 15 mm Large: 100 mm (dia) x 420 mm (H) Jumbo: 152 mm (dia) x 590 mm (H)
Container weight:	Large: 2.9 kg Jumbo: 3.5 kg
Container volume:	Large: 2.5 L ~ 1,500 butts Jumbo: 5 L ~ 3,000 butts
Emptying method:	The flap at the bottom is opened with a key and the butts fall out into a separate bin.
Fire suppression:	Cylindrical design limits oxygen supply.
Installation:	The cylinder is supplied with different mounting brackets for a wall or pole, and can easily be installed.
Tampering protection:	There is little protection from tampering other than the key for the flap at the bottom, which can be broken into easily.
More information:	Butt Out Australia Pty Ltd 207 Dryburgh Street North Melbourne VIC 3051 1800 358 258 buttoutaustralia.com.au



Source: Butt Out Australia

Strengths

- The design is clean and attractive. The bin is easy to see and can be installed at a suitable height.
- The Jumbo bin has a large capacity.
- Materials used are durable. The opening and surrounds are simple and smooth and therefore quick and easy to clean. The design and materials used mean the bin will remain attractive over its useful life.
- There is a butt-out plate, and butts are kept separate from other litter. This and the cylindrical design limits the potential for fires and smouldering.
- The butt-out plate is near the openings, but set back so ash does not fall on to the hand of a smoker placing a butt in the bin.
- Good for recycling butts as the design limits contamination, and butts can be emptied into a separate bin for recycling if desired.
- Information on features and appropriate use, order forms and unit pricing, and installation instructions were comprehensive and easy to obtain.
- The bins are very easy to empty.

Weaknesses

- The openings for the butts are small, and require smokers to accurately place butts in the bin. Where the openings are missed, butts slide off the ash tray and onto the ground around the bin.
- It is easy to tamper with the flap at the bottom to scavenge for butts. There are moving parts that are easy to break and then require maintenance. Once the flap is broken the bin no longer contains the butts, which end up on the ground around the bin.
- There is no separate waste bin for other rubbish generated by smokers eg. cigarette packaging, food waste, and coffee cups. However, the bin can be located near a regular litter bin.

User experiences

Queanbeyan Palerang Regional Council has used Butt Out Bins for many years, and have been progressively upgrading to the Jumbo Canister. They have found them easy to install, use and maintain. Issues have been experienced with vandalism, and Council is now adding padlocks to the bottom flap to limit tampering.

Cigarette Butt Bin Fact Sheet

ECO ELEGANCE 123601-14DT

Cigarette Butt Bins

Cigarette butts are consistently the most littered items, making up about 40% of all littered items in NSW. Butts are made of plastic, don't break down, and contain toxic chemicals that leach into the environment.

Cigarette butt bins are designed to safely capture cigarette butt litter. Sometimes they have features to extinguish the butts, such as butt-out plates, restricted air flow or a non-flammable liquid. Butt bins can stand alone, be attached or built-in to a standard litter bin enclosure, or mounted on a wall or a pole. Some also have an ash tray.

Source: Eco Elegance

The Eco Elegance 123601-14DT

The Eco Elegance 123601-14DT Brushed Wall Mount Outdoor Ashtray cigarette butt bin is a wall-mounted cylinder. There is a butt-out tongue inside the opening at the top. The long cylinder used restricts oxygen supply to extinguish butts. Butts are removed via a key operated flap at the base of the cylinder.

Suitable locations

This bin style is most appropriate in locations with limited space, where they can be monitored to limit tampering.



FAST FACTS

Shape: Cylinder

Size: Small

Butt-out plate: Yes

Ash tray: No

Capacity: 2 L

Holds: 1,000 butts

Key features

- Type:** Wall-mounted cylinder
- Design:** Long thin cylinder with small opening at the top. A butt-out tongue is provided just inside the opening. A key-operated flap allows for non-contact emptying of butts. A bracket is supplied with the unit for mounting on a wall.
- Material:** Stainless steel cylinder, zinc-plated butt-out tongue, and alloy mounting bracket.

Criteria Ratings

Cost	
Purchase and installation	\$\$\$
Emptying	\$
Cleaning and maintenance	\$\$\$
Function	
Easy for smokers to use	□□
Holds a lot of butts	□□
Good for recycling butts	□□□
Amenity	
Looks good	□□□
Safe to use	□□□
Secure and sturdy	□□
Servicing	
Easy to obtain and install	□□□□
Easy to empty	□□□□□
Easy to clean and maintain	□□

Technical information

Dimensions (approx.):	Opening: 32 mm Cylinder: 89 mm (dia) x 356 mm (H)
Cylinder weight:	1.4 kg
Cylinder volume:	2 L ~ 1,000 butts
Emptying method:	The flap at the bottom is opened with a key and the butts fall out into a separate bin.
Fire suppression:	The narrow cylinder restricts oxygen supply, limiting smouldering.
Installation:	The cylinder is supplied with a mounting bracket that can be installed with bolts.
Tampering protection:	There is little protection from tampering other than the key for the flap at the bottom, which can be broken into easily. The mounting bracket is not durable, and is easily broken by people trying to open the bin to scavenge for butts.
More information:	Eco Elegance Pty Ltd 2 Roussos Place Truganina, VIC, 3029 1300 651 560 ecoelegance.com.au



Source: Asterisk One

Strengths

- The design is clean and attractive. The bin is easy to see and can be installed at a suitable height.
- Materials used for the cylinder are durable. The opening and surrounds are simple and smooth and therefore easy to clean. The bin can remain attractive over its useful life if cleaned regularly.
- There is a butt-out plate, and butts are kept separate from other litter. The narrow cylinder restricts oxygen supply, limiting smouldering.
- Good for recycling butts as the design limits contamination, and butts can be emptied into a separate bin for recycling if desired.
- Information on features and appropriate use, order forms and unit pricing, and installation instructions were comprehensive and easy to obtain.
- The bins are very easy to empty.

Weaknesses

- The openings for the butts are small, and require smokers to accurately place butts in the bin. Where the openings are missed, butts fall onto the ground around the bin.
- It is easy to tamper with the flap at the bottom to scavenge for butts. There are moving parts that are easy to break and then require maintenance. Once the flap is broken the bin no longer contains the butts, which end up on the ground around the bin.
- The mounting bracket is not durable, and is easily broken by people trying to open the bin to scavenge for butts.
- There is no separate waste bin for other rubbish generated by smokers eg. cigarette packaging, food waste, and coffee cups. However, the bin can be located near a regular litter bin.

User experiences

This type of bin is commonly used outside commercial premises and offices. One council in metropolitan Sydney reports that they often find this style of bin with the flap at the bottom broken, rendering the bin unusable. Butts are then found scattered on the ground beneath the bin. There have also been instances where the mounting bracket has been broken, causing the cylinder to be unusable, damaging the wall to which it was fixed, and requiring frequent repairs.

Cigarette Butt Bin Fact Sheet

SFA AC1 ASH CYLINDER

Cigarette Butt Bins

Cigarette butts are consistently the most littered items, making up about 40% of all littered items in NSW. Butts are made of plastic, don't break down, and contain toxic chemicals that leach into the environment.

Cigarette butt bins are designed to safely capture cigarette butt litter. Sometimes they have features to extinguish the butts, such as butt-out plates, restricted air flow or a non-flammable liquid. Butt bins can stand alone, be attached or built-in to a standard litter bin enclosure, or mounted on a wall or a pole. Some also have an ash tray.

The AC1 Ash Cylinder

Street Furniture Australia's AC1 Ash Cylinder cigarette butt bin is a small cylinder that can be attached to a wall or pole. A dome at the top functions as a butt-out plate. Butts can then be dropped into the bin via a series of openings beneath the dome. There is no separate container for the butts, and these are removed via a key operated flap at the base of the cylinder.

Suitable locations

This bin style is most appropriate in locations with limited space, where they can be monitored to limit tampering.



Source: Street Furniture Australia

FAST FACTS

Shape: Cylinder

Size: Medium

Butt-out plate: Yes

Ash tray: No

Capacity: 3 L

Holds: 2,000 butts

Key features

- Type:** Wall or pole-mounted cylinder
- Design:** Dome butt-out plate at the top of a cylinder, with openings to butt container beneath. A key-operated flap door allows for non-contact emptying of the bin. A bracket is integrated into the unit for mounting on a wall or post.
- Material:** Stainless steel butt-out plate and frame, powder-coated cylindrical container.

Criteria Ratings

Cost	
Purchase and installation	\$\$\$
Emptying	\$
Cleaning and maintenance	\$
Function	
Easy for smokers to use	□□□
Holds a lot of butts	□□□
Good for recycling butts	□□
Amenity	
Looks good	□□□
Safe to use	□□
Secure and sturdy	□□
Servicing	
Easy to obtain and install	□□□
Easy to empty	□□□□□
Easy to clean and maintain	□□□

Technical information

Dimensions (approx.):	Openings: 40 mm wide at outside rim Cylinder: 150 mm (dia) x 300 mm (H)
Container volume:	3 L ~ 2,000 butts
Emptying method:	The flap at the bottom is opened with a key and the butts fall out into a separate bin.
Fire suppression:	None
Installation:	The cylinder is supplied with different mounting brackets for a wall or pole, and can easily be installed.
Tampering protection:	There is little protection from tampering other than the key for the flap at the bottom, which can be broken into easily.
More information:	Street Furniture Australia Pty Ltd N6 391 Park Road, Regents Park NSW 2143 1800 027 799 streetfurniture.com



Source: Asterisk One

Strengths

- The design is clean and attractive. The bin is easy to see and can be installed at a suitable height.
- Materials used are durable. The opening and surrounds are simple and smooth and therefore easy to clean. The bin can remain attractive over its useful life if cleaned regularly.
- There is a butt-out plate, and butts are kept separate from other litter. However, there are no measures to limit butts from smouldering inside the bin.
- Information on features and appropriate use, order forms and unit pricing, and installation instructions were comprehensive and easy to obtain.
- The bins are very easy to empty.

Weaknesses

- The openings for the butts are small, and require smokers to accurately place butts in the bin. Where the openings are missed, butts fall onto the ground around the bin.
- The butt-out plate is above the openings to the bin, and ash can fall on to the hand of a smoker placing a butt into the bin.
- Although the butts can be emptied into a separate bin for recycling if desired, the large openings allow contamination of the butts with other litter.
- It is easy to tamper with the flap at the bottom to scavenge for butts. There are moving parts that are easy to break and then require maintenance. Once the flap is broken the bin no longer contains the butts, which end up on the ground around the bin.
- There is no separate waste bin for other rubbish generated by smokers eg. cigarette packaging, food waste, and coffee cups. However, the bin can be located near a regular litter bin.

User experiences

This type of bin is often used in shopping malls. One council in metropolitan Sydney reports that they often find this style of bin with the flap at the bottom completely removed, rendering the bin unusable. Butts are then found scattered on the ground beneath the bin.

Cigarette Butt Bin Fact Sheet

BUTT OUT WALL OR POLE MOUNTED BIN

Cigarette Butt Bins

Cigarette butts are consistently the most littered items, making up about 40% of all littered items in NSW. Butts are made of plastic, don't break down, and contain toxic chemicals that leach into the environment.

Cigarette butt bins are designed to safely capture cigarette butt litter. Sometimes they have features to extinguish the butts, such as butt-out plates, restricted air flow or a non-flammable liquid. Butt bins can stand alone, be attached or built-in to a standard litter bin enclosure, or mounted on a wall or a pole. Some also have an ash tray.

The Brisbane City Council Bin-Mounted Bin

This cigarette butt bin is a medium sized rectangular box receptacle that is attached to the side of a standard litter bin enclosure. It has a large butt-out plate sloping down towards a small rectangular opening at the bottom of a sloping rectangular ash tray. Butts drop into a removable rectangular container inside the butt bin.

Suitable locations

This bin style is appropriate in high pedestrian traffic locations where all types of litter require disposal.



Source: Brisbane City Council

FAST FACTS

Shape: Rectangular

Size: Large

Butt-out plate: Yes

Ash tray: Yes

Capacity: 6 L

Holds: 3,000 butts

Key features

- Type:** Bin-mounted rectangular box
- Design:** Large butt-out plate sloping down toward a rectangular ash tray with a small rectangular opening at the bottom. Butts drop into a removable rectangular container beneath.
- Material:** Stainless steel with high graffiti resistance.

Criteria Ratings

Cost	
Purchase and installation	Not known
Emptying	\$\$
Cleaning and maintenance	\$
Function	
Easy for smokers to use	□□□□
Holds a lot of butts	□□□□
Good for recycling butts	□□□□
Amenity	
Looks good	□□□□
Safe to use	□□□□
Secure and sturdy	□□□□
Servicing	
Easy to obtain and install	□
Easy to empty	□□□
Easy to clean and maintain	□□□

Technical information

Dimensions (approx.):	Opening: 100 mm (W) x 15 mm (D) Bin: 220 mm (W) x 150 mm (D) x 450 mm (H) Container: 200 mm (W) x 100 mm (D) x 300 mm (H)
Container volume:	6 L ~ 3,000 butts
Emptying method:	The bin enclosure must be opened, the waste bin removed, then the butt container removed and emptied into the waste bin or a separate bin.
Fire suppression:	None
Installation:	The bin can easily be attached to the side of a standard bin enclosure.
Tampering protection:	The opening for capturing the butts is small and limits access to the container from the front. The butt container is inside the enclosure, and the waste bin must be removed to access it.
More information:	Brisbane City Council



Source: Brisbane City Council

Strengths

- The design is clean and attractive. The bin is easy to see and can be installed at a suitable height.
- The bin has a large capacity.
- Materials used are durable. The opening and surrounds are simple and smooth and therefore quick and easy to clean. There are no moving parts that require regular maintenance. The design and materials used mean the bin will remain attractive over its useful life.
- There is a butt-out plate, and butts are kept separate from other litter. This limits the potential for fires. However, there is no means of limiting smouldering.
- The butt-out plate is near the opening, but set back so ash does not fall on to the hand of a smoker placing a butt in the bin.
- Although the opening for the butts is small, the sloping rectangular ash tray around the opening means that most butts tossed toward the bin are captured, and all ash and butts fall naturally into the opening.
- Good for recycling butts as the design limits contamination, and butts can be emptied into a separate bin for recycling if desired.
- Is attached to a waste bin that smokers can use for other rubbish.
- It is difficult to tamper with the opening and container inside the bin to scavenge for butts.

Weaknesses

- The bin is a prototype, and is not generally available. It is not known how much it would cost to manufacture in commercial quantities. Information on features and appropriate use, order forms and unit pricing, and installation instructions were not available.

User experiences

This bin has been trialled by Brisbane City Council and found to be effective. During the trial, some improvements were identified such as alternative approaches to emptying, but further trials of these improvements have not yet been conducted.