

Bionova
Self-Contained Composting Toilet

Bionova Cabin & Cabin Plus

USER MANUAL



Welcome to the Bionova family!

We are happy that you have chosen our product. At Bionova, we have been developing toilet solutions that are not limited by the availability of water or sewage systems for over 20 years, with the vision of contributing to a higher quality of life for many.

Our toilet solutions are improving the lives of hundreds of thousands of people around the world. We're committed to providing you with a high-quality, reliable, and low-maintenance product.

We hope you enjoy your new system — and the water savings that help protect our planet.

Welcome to the Bionova family!



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What's in the box?

This box contains:

- The toilet
- Bulking agent (Woodshavings)
- Vent kit
- Starter kit
- Maintenance kit
- Urine container with lid (for Cabin Plus only)

The vent kit contains:

- 6 x PVC Ø50 x 675mm length vent pipe
- 5 x PVC straight line couplings
- 3 x PVC 90-degree elbows
- 2 x 45-degree bends
- 1 x Weatherproof vent cowl
- 1 x PVC tee junction
- 1 x Bottle for moisture trap

The maintenance kit contains:

- 1 x Foldable plastic bucket with lid and handle
- 1 x Plastic shovel
- 1 x Spatular

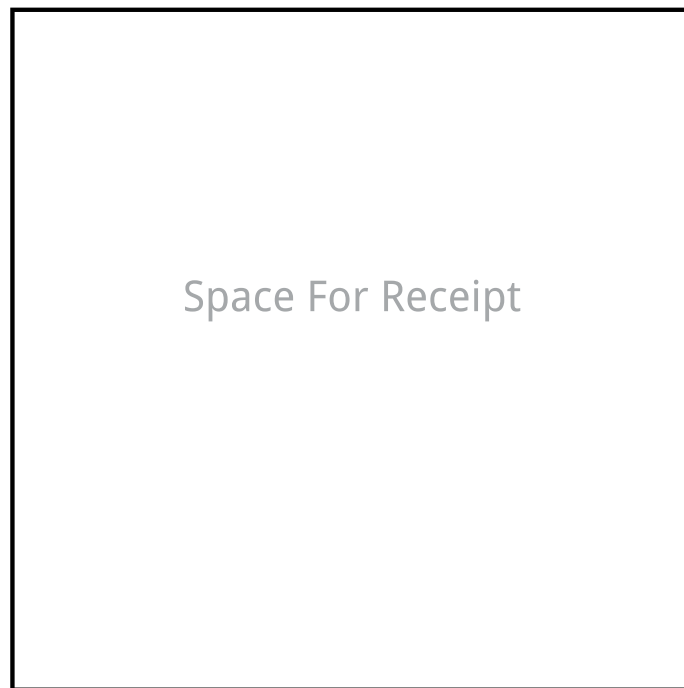
Not included but may be required (depending on location and setup)

Available at Ecoflo or your local hardware store

- Ø50x 25mm thick Insulation for PVC pipe - lengths required may vary
- Dektite if penetrating the roof (to suit 50mm pipe)
- Ø50mm PVC pipe standoffs/saddle clip to mount pipe to wall
- Bath cover for use in wet areas only
- 1 x 250ml Nature Flush Enzyme Concentrate
- 1 x Empty 750ml spray bottle
- 1 x 225g bag of Nature Quick Microbes

Warranty

Keep Your Receipt



SO-Number: _____

This product is covered by a three (3) year warranty against defects in materials and workmanship from the date of purchase.

This warranty does not cover normal wear and tear, misuse, improper maintenance, or any damage or modifications made by the customer.

For warranty enquiries or to order spare parts, please contact Ecoflo Wastewater Management.

To enquire about warranty, spare parts or assistance:

Lodge a ticket: help.ecoflo.com.au

Phone: 1300 138 182

website: ecoflo.com.au

IMPORTANT SAFETY INSTRUCTIONS



READ THE INSTRUCTIONS CAREFULLY BEFORE USE. THE MANUFACTURER IS NOT RESPONSIBLE FOR ANY PERSONAL INJURY OR OTHER DAMAGES ARISING AS A RESULT OF FAULTY INSTALLATION OR IMPROPER USE. SAVE THE USER MANUAL FOR FUTURE REFERENCE!

Safety

This product can be used by children and people with impaired physical, sensory or mental capacity, as well as people with a lack of experience and knowledge of the product, provided that they are monitored or instructed on how to use the product safely and understand the risks that are associated with improper use.

- Toilet packaging and packing materials are not toys. Keep packing material out of reach of children and dispose properly.

WARNING! Do not use the toilet if it is damaged or not working properly.

Ensure the functioning of the toilet by regularly checking the following:

- 1.The mixer is turning once the lid has closed and the unit is powered on.
- 2.There is not a buildup of hard compost around the mixing arms impacting its ability to turn.
- 3.That there is no damage to the electrical cabling or plastic shell housing of the toilet
- 4.Check whether the exhaust fan works properly
- 5.That the urine hose and container are correctly positioned (for Cabin Plus only)

Avoid fire risk & burns

The toilet must only be used in accordance with the user manual. Materials not associated with normal toilet use should not be thrown in the toilet. Ensure that all new users of the toilet receive required information on how to use it safely. The toilet is not designed for standing or climbing on. Young children or children who cannot safely use the toilet in accordance with this manual should only use it under adult supervision. Do not allow children to play with this product.

Avoid electric shocks

1. Never use a damaged power cord or plug, and never run the cord over hot surfaces or hard sharp edges.
2. If the power cord is damaged, it must be replaced by the manufacturer, its service agent, or a professional to avoid danger.
3. If used in a bathroom with a shower, ensure the wet cover is used and that it is not in direct contact with the shower.

Other

- This product is intended for household use only or for a limited number of people with good knowledge of its proper use. We advise against placing urine-diverting toilets in public restrooms.
- Do not make any changes to the product that will alter its specifications.

Cabin & Cabin Plus

The Bionova Cabin & Cabin Plus are fully automatic, self-contained and continuous composting toilet systems. This means that the waste finishes composting within the unit without having to be set aside in another position.

The composting process takes place using the addition of microorganisms, without the need for any chemicals. A controlled supply of air, consistent heat, and regular mixing work together to accelerate the composting process from months into weeks, transforming toilet waste into eco-friendly humus. These conditions prevent the waste from becoming anaerobic and developing unpleasant septic odours within the unit..

- **The Cabin** is suitable for up to 3 people full time.
- **The Cabin Plus**, with a urine separator, is suitable for 5 people full time.



Cabin

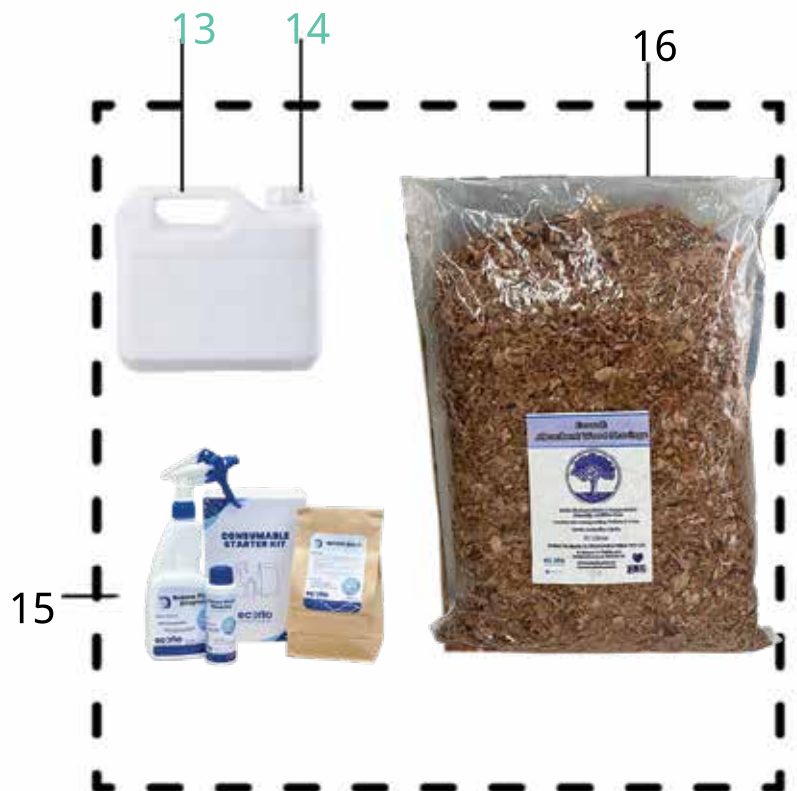
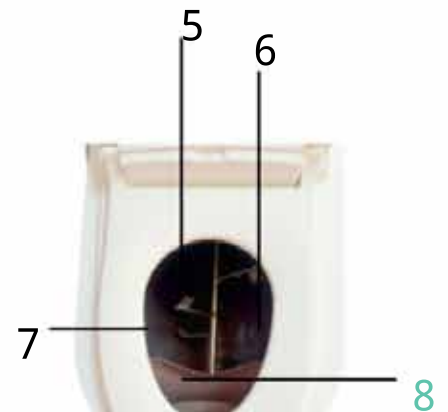


Cabin Plus

The two models are identical in shape and size, but the Cabin Plus is a urine separation model with an additional urine container. Whereas, the Cabin collects urine and waste together in the main chamber.

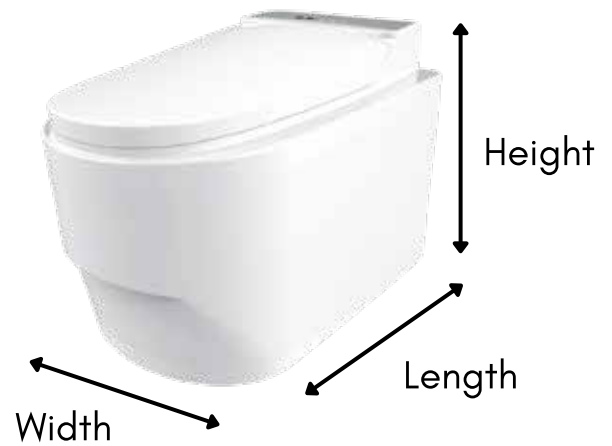
Technical data

- | | | |
|--------------------|-------------------------|-----------------------------|
| 1. Lid | 6. Mixer | 11. Bar code |
| 2. Body | 7. Temperature detector | 12. Power connection |
| 3. Control panel | 8. Urine separator | 13. Urine container |
| 4. Seat | 9. Fan | 14. Lid for urine container |
| 5. Compost chamber | 10. Ventilation outlet | 15. Compost starter kit |
| | | 16. Bulking agent |



Measurements

Height: 510 mm
Length: 740 mm
Width: 470 mm
Seat height: 420 mm



Material

Outer material: High-gloss polypropylene
Inner material: Polyamide and polypropylene

Weight

25 kg (55 lbs)

Volume

Solid waste container: 35 L
Urine container (Cabin Plus Only): 5 L

Pipe dimensions

Ventilation pipe: Ø 50.50 mm (outer diameter)
This pipe is not a standard Australian DWV size. Additional components may be required for your particular installation.

To purchase additional fittings/parts, contact Ecoflo for assistance.

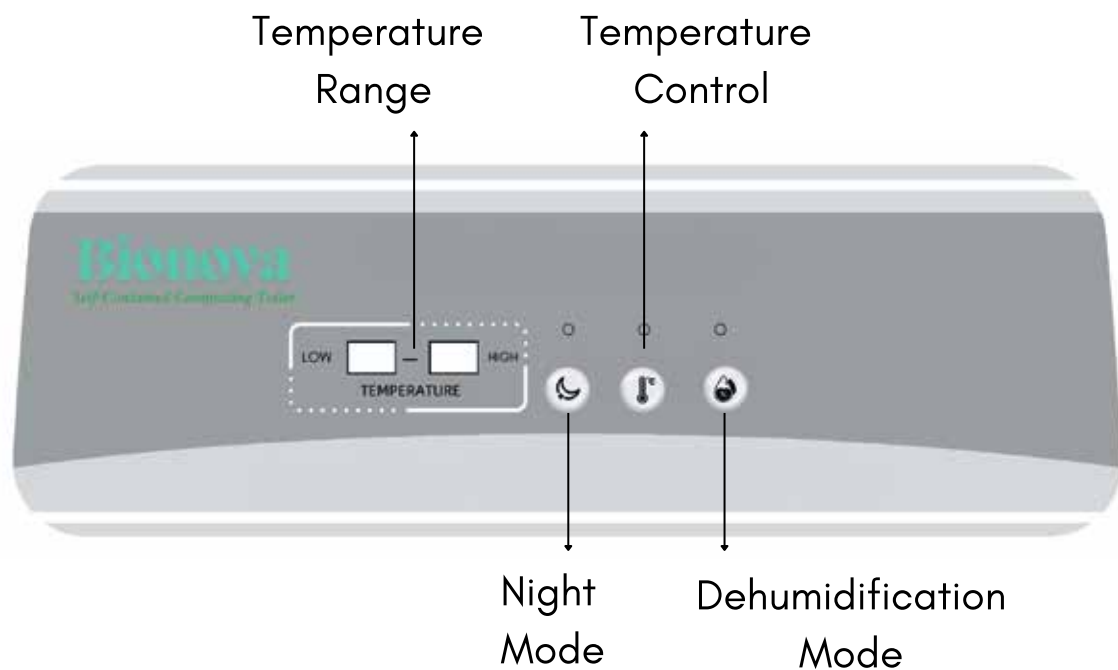
Electrical connection

Australian plug AC adapter 230V 50Hz

Power consumption

0.55 kWh/day average

Control screen



Set Temperature: Choose from five temperature ranges; once chosen, this will become the default temperature in the toilet.



Night mode: Reduces noise by pausing all functions until the next use. During this mode, the fan, stirrer, and heater are switched off, and the system operates silently.



Dehumidification: The fan, mixer and heater start working on the highest setting to heat and evaporate excess liquid in the compost bin to reduce humidity. This lasts for 4 hours and will return to chosen heating mode if interrupted.

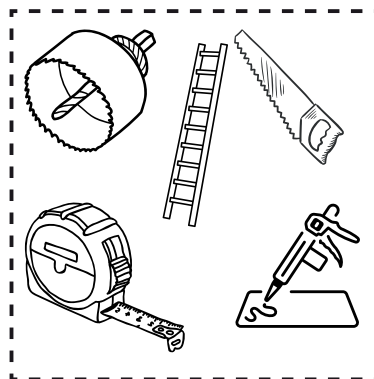
Refer to **Starting A New Toilet** after the installation steps on how to setup and use.

01 Installation



Tools required

- Hole saw 51 mm or jigsaw
- Saw / dropsaw
- Measuring tape
- Silicone sealant
- Ladder
- Pencil



Optional:

- Mosquito/fly screen material to cover PVC tee junction if installing moisture trap outdoors
- Duct tape or similar to tape mosquito screen to tee junction or condensation bottle

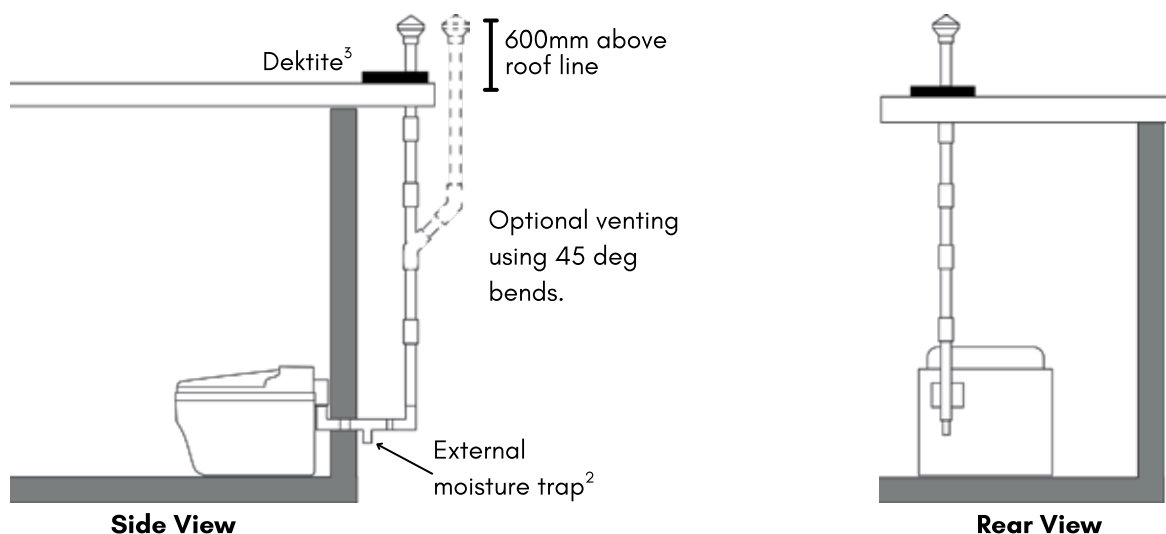
Installation considerations

- Position the unit on a level surface, leaving enough space for the toilet and additional working space.
- Check that the floor space is large enough. Required floor space is: length 740 x width 470mm
- For Cabin Plus models you will need space for the liquid storage tank on the side of the toilet.
- Keep in mind the toilet will need a suitable power point available to function.
- Be mindful of how the vent is to be installed, as this may impact windows, etc. refer to diagram on next page.
- Where possible, limit the number of bends in the pipework to ensure efficient airflow.

Recommended Vent Pipe Configurations

Option 1: Straight through the rear wall

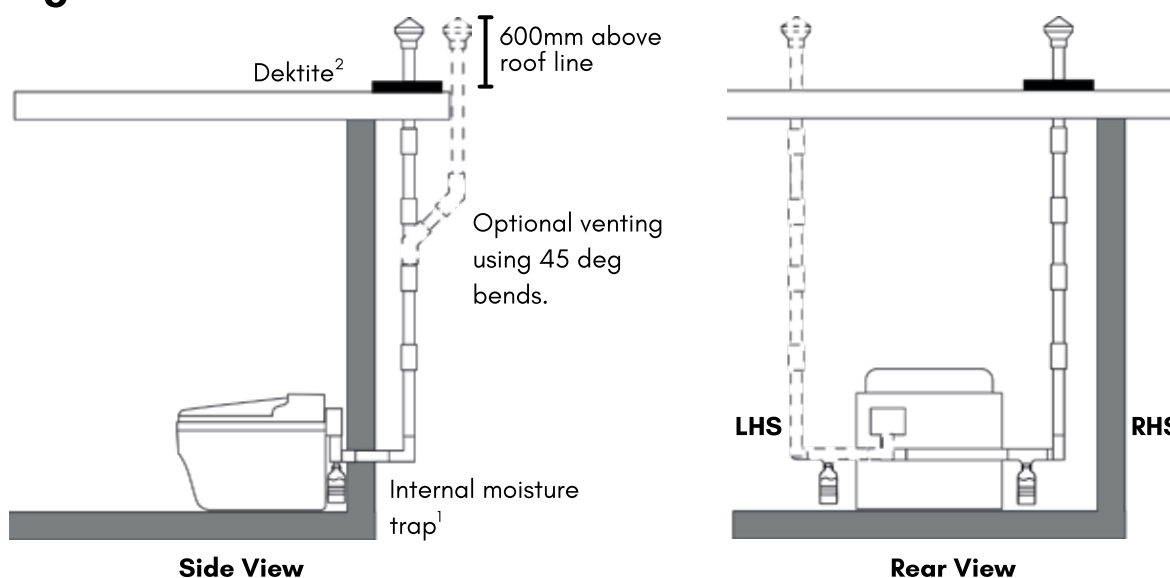
(not recommended for freezing climates)



*Notes regarding installation:

1. Vent diagram is a simplified layout, your layout may differ – this is applied to all diagrams.
2. The moisture trap must be fitted with either a fly/mosquito screen over the open end of the PVC tee junction, or alternatively the bottom of the bottle can be cut open and the mesh placed over the open end and fixed in place. This allows any liquid buildup to freely drain out of the vent without requiring the monitoring of the bottle or risks insects entering the system.
3. If venting through the roof the Dektite is not included; pipe stand offs/brackets not included.

Option 2: Internal bottle collection (LHS or RHS) and vented through the rear wall

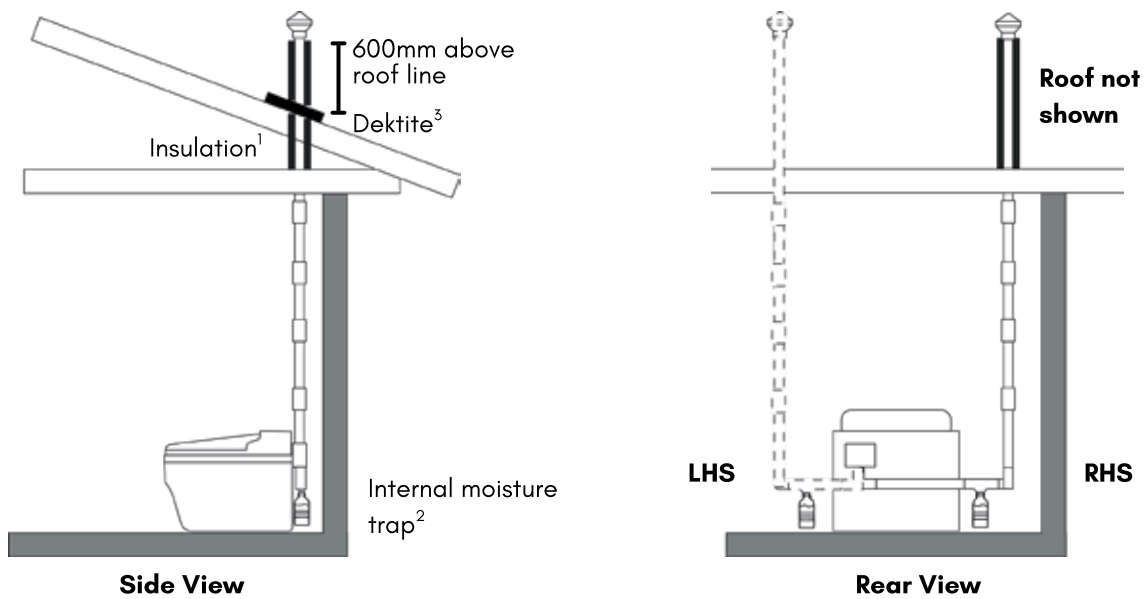


*Notes regarding installation:

1. Vent diagram can be taken to either left hand side (LHS) or right hand side (RHS) of the toilet (so the bottle is visible) before penetrating the rear wall. **Cabin Plus** models it is recommended to vent via left side to allow space for the urine hose and container on the right side.
2. If venting through the roof the Dektite is not included; pipe stand offs/brackets not included.
3. If used in sub 5 degree climates all exposed pipe outdoors needs to be covered with insulation (see specifics on next page).

Option 3: Internal bottle collection (LHS or RHS) and ceiling vented

(recommended for freezing climates as it limits the amount of pipe exposed outside)



Notes regarding installation:

1. Vent diagram shows roof and ceiling space. It is recommended to insulate anywhere which is unheated which includes attic/ceiling spaces and any pipe exposed to the outdoors with a minimum of Ø50 x 25mm thick pipe insulation.
2. Vent diagram can be taken to either left hand side (LHS) or right hand side (RHS) of the toilet (so the bottle is visible) before penetrating the ceiling and through the roof. For **Cabin Plus** models it is recommended to vent via left hand side to allow space for the urine hose and container on the right side.
3. If venting through the roof the Dektite is not included; pipe stand offs/brackets not included.
4. Insulation pipe is not included – can be purchased from local hardware store.

Insulation Pipe - Ø50 x 25mm Thick

Pipe insulation is recommended for all exposed vent pipes installed outdoors in cold climates (below 5°C) or in areas where the indoor-outdoor temperature difference exceeds 15°C, such as heated bathrooms. A minimum insulation thickness of 25mm should be used to help prevent condensation buildup inside the vent, which can lead to more frequent emptying of the moisture trap.

The Cabin and **Cabin Plus** are designed to operate in freezing temperatures; however, in environments below 0°C, it is especially important to insulate all exposed venting to reduce moisture accumulation and maintain system performance. Plumbing layout Option 3 is recommended for cold climates. Option 2 may also be used but requires additional insulation due to its longer exposed pipe run. Option 1 is not recommended, as the external bottle is at risk of freezing, which may block drainage and compromise the system.



1. Setup

- Position the Toilet
- Attach the rubber feet to the base of the toilet to prevent movement.
- Place the unit on a level floor or surface, flush with the wall.

2. Plan the vent layout

- Use a 90-degree elbow to direct the vent pipe based on your chosen configuration.
- Measure and mark out the pipe lengths and termination points (e.g. wall or ceiling exit as well as where each fitting is going).
- Position the tee junction as close as possible to the highest vertical pipe section to capture moisture effectively.

3. Prepare pipe runs

- Cut vent pipe sections to the required lengths.
- Drill a 51mm diameter hole in the wall or ceiling for the vent outlet.
- Assemble the system using 90-degree elbows, tee junctions, and coupling pipes as needed ensuring the pipe is level at all times.
- Position the tee junction as close as possible to the highest vertical pipe section to capture moisture effectively.

4. Install and seal the vent pipe

- Feed the vent pipe through the hole and connect it to the system using a pipe coupling.
- Apply silicone sealant around the pipe where it passes through the wall or ceiling to prevent air and water leaks.
- If venting through the roof, install a Dektite flashing, sealing it properly to the roof with silicone and roofing fasteners.

5. Insulate the vent pipe (if required)

- Insulate the entire vertical section of the vent pipe from the ceiling to the termination point above the roof. All pipe exposed outdoors should be covered if installing in a freezing climate.
- Insulate in cold areas (e.g. attics) to prevent condensation buildup.

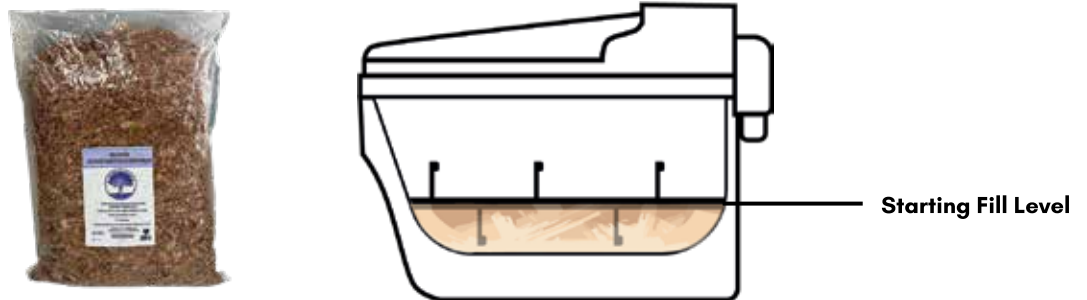
6. Install weather proof cowl

- Add a bead of silicone around the inside of the weatherproof cowl and mount to the top of the vent pipe.

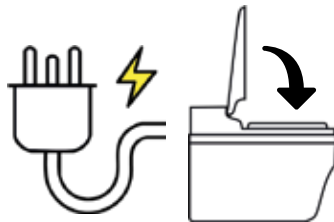
02

Starting A New Toilet

1. With the unit powered off, open the toilet lid and add enough bulking agent to reach the height of the mixer axle. Add water to the pile to make it damp and moist but not sodden.



2. Plug the power plug into the socket, and close the toilet seat. The toilet will automatically start stirring, and the exhaust fan will turn on, indicating that the toilet is functioning correctly. Check for any air leaks from the vent pipe.



3. Set the temperature by pushing the temp button  on the unit.



The temperature ranges can be seen below:

Setting	Temperature Range	Use Case
1	30°C-40°C	Recommended for most Australian climates. Ideal for regions with mild to warm conditions (typical ambient temperatures above 15°C).
2	30°C-50°C	Suitable for cooler regions or during winter where ambient temperatures range from 5°C to 15°C. Helps maintain consistent composting in colder homes or cabins.
3	40°C-60°C	Use when outdoor temperatures frequently fall below 5°C. Ideal for cold climates or high-altitude areas where extra heat is needed to support microbial activity.
4	50°C-70°C	Required in very cold environments where outside temperatures regularly drop below 0°C. Helps prevent the compost from becoming too cold to process waste effectively.
5	60°C-80°C	Not recommended to be default temperature

These are starting temperature ranges; if problems occur, adjustment may be required after usage.

4. After using the toilet for 3 days, add approximately 1/4 of the Nature Quick Microbe mix into a mixture of 200ml of warm water, and pour it into the toilet. You should notice waste and toilet paper breakdown over the next few days (the colour should go from light brown to a soil like black colour). Microbes can be added regularly as needed (there is no such thing as too many microbes). Keep the remaining packet in a cool, dry location for next use. – See **05 General Use** for more information

3. Add one capful of Enzyme Nature Flush into the empty spray bottle and fill it with water. This solution is for cleaning around and inside the toilet surfaces. The enzyme mix supports a healthy microbial environment when used regularly for cleaning. **Do not use bleach or anti-bacterial cleaner as this will kill the microbes.**



03

Standard Usage Steps

Always sit down when using the toilet.



1

For Cabin Plus users; Separate urine as much as possible during use, but don't be too strict –just relax and enjoy yourself!



2



3

Add toilet paper in (see next page) and if a **solid deposit** was done **add 1 Cup of bulking agent**.

4



Close the toilet lid and allow the mixer, exhaust fan, and temperature control functions in the chamber to operate.

IMPORTANT!

Always close the lid after use!

04 Bulking Agents & Toilet Paper Guidelines

Bulking agent:

Recommended:

- Pine woodshavings
- Hemp bedding



Not recommended:

- Fine sawdust - Clogs the vent fan and reduces airflow.
- Cypress, cedar or eucalyptus woodshavings - Contains antimicrobial oils which can kill microbes.
- Sugar cane mulch - Attracts insects or flies due to sugar content.
- Coconut coir - Fibres can tangle around the mixer.

Toilet paper:

Recommended:

- Recycled or unbleached toilet paper
- Standard 2 Ply or 3 Ply paper



Not recommended (it will not break down):

- Wet wipes or flushable wipes
- Bamboo toilet paper
- Scented, quilted, or ultra-thick toilet paper

05

General Use

What to expect during normal use

During normal use of the Cabin or [Cabin Plus](#), it's important to follow usage instructions to maintain a healthy balance of carbon and nitrogen within the system.

During the first few weeks of use, toilet paper and waste will begin breaking down into a dark brown or black, soil-like material; the early stages of compost. You may notice small pieces of toilet paper remaining, but these typically decompose within about a week. As solid waste is added into the system this also adds additional bulking agent, which absorbs any excess moisture from the liquid deposit.

For the [Cabin Plus](#) users you will need to monitor the liquid levels in the urine container to ensure it does not overflow. It is recommended to empty every 2 days (to prevent smell) or optionally urinating in the toilet is acceptable. You may find you will need to add additional liquid into the pile to balance the moisture levels.

To support effective composting, the moisture content should be similar to that of freshly turned potting mix, damp but not sodden wet.


This image shows a healthy compost colour and consistency




Humidity control and pile moisture levels

Pay attention to the humidity in the chamber during use, as the chamber is heated, it is possible the pile can dry out if the toilet use is somewhat infrequent. If you notice the pile is very dry, add 600ml of water into the pile and close the lid. The motor inside will mix the liquid into the pile. Reassess the moisture level and repeat if necessary.

Alternatively, using the stream setting on the spray bottle to apply Nature Flush Enzyme Cleaner to dry spots inside the unit will help balance moisture levels and promote a healthy environment for the microbes.


If the compost pile appears too wet, you can add a little extra bulking agent to absorb excess moisture or if liquid begins to pool at the bottom of the chamber (during periods of high use), pressing the dehumidify button  will help evaporate it by activating the internal fan and max heater setting. The dehumidify setting will last for 4 hours before returning to the default temperature or until the lid is opened.

Issue	Indication	Fix
Pile is very dry	Pile is crumbly and very dry	Add 600ml of water and shut the lid. Reassess if more liquid is required.
Toilet paper is dry	Toilet paper is not breaking down in some areas	Spray dry parts with enzyme cleaner to wet and assist with break down.
Pile is too wet	Visible liquid pooling or pile is sodden looking	Add additional bulking agent to absorb excess moisture OR push the dehumidify button. 


Moisture trap

The moisture catcher bottle is designed to collect condensation from the toilet's ventilation system. It is recommended to empty this bottle as it fills. This can be emptied back into the chamber (only if extra moisture is needed) or disposed of.



Adding extra microbes

- If **composting results are not satisfactory**, you can add around 1/4 of the microbe mix with 200ml of warm water into the toilet to help promote and kickstart the compost process. This is usually indicated by waste and bulking agent not breaking down. The effects of this would be visible after the next few days.
- **After running the Humidity setting**  Add 1-2 tablespoons (15g -30g) to help promote composting after excess moisture.
- **Starting a new system** (1/4 of microbe packet mixed with 200ml warm water)

Night mode

For improved energy efficiency and quieter operation, it is recommended to push the 'Night Mode' button  before going to bed. The toilet will pause all functions and automatically resume standard operation once the seat is lifted.

Standard Functions Reference Chart

Condition	Action	Duration
Lid opened	Fan runs	15 minutes or until closed
Lid closed	Mixer and fan run	Mixer:1.5 minutes, Fan: 3 minutes
Default cycle (The unit will return to the default cycle after the lid is opened, regardless of the active mode.)	Mixes every 30 minutes, Fan operates every 10 minutes.	Mixes 1.5 minutes; Fan operates for 3 minutes
Night mode 	Ambient fan stops, mixer and fan runs once every 4 hours	Mixer runs for 1.5 minutes, fan runs for 4.5 minutes for 10 hours or until lid is opened
Dehumidify mode 	Fan and heater runs highest setting	heater runs at 60°C -80°C for 4 hours or until lid is opened

06

Intermittent Use

Prepare for brief absences (3 days or less)

If you'll be away for less than 3 days, you can leave the toilet running. You will need to add additional water when you return to balance the moisture levels inside to reduce compacting and hardening of the pile.

Both the Cabin and **Cabin Plus** models include built-in smart timers that automatically adjust system behavior based on usage patterns and inactivity.

Condition	Action	Duration
No Use for 12 hours	Mixer slows to every 120 minutes	Fan & heater continue to operate as normal
No use for 24 hours	Mixer stops; Heater reduces to 30-40°C if set higher	Fan & heater continue to operate as normal
No use for 36 hours	System enters sleep mode	All functions pause

Prepare for longer absences (3 days or more)

It is recommended to run the Dehumidification mode for at least 4 hours before disconnecting the power of the Bionova Cabin or **Cabin Plus**. **Empty the urine container if you have the Plus model.** You can also stop the heater in the bathroom as there is no risk of freezing or breaking in extreme cold.


Returning from absences (3 days or more)

Check to see if the material is still soft and not compacted and hard using the scraper tool from the maintenance kit. Use the shovel to break apart the pile and check moisture throughout. Ensure there are no hard spots inside which may jam the mixer. If it is soft start by adding 600ml of water to bring moisture into the chamber and add 1/4 of the microbes to kickstart the system again before turning on the unit. It will mix and reassess the moisture levels.

If the pile has become rock hard (like concrete) you can use the scraper, shovel and bucket provided to remove it. Follow the steps for **02 Starting A New Toilet** to restart the system.

IMPORTANT!

Always make sure you are wearing appropriate **PPE (gloves and a mask)** when **interacting with the pile**. This removed material can be buried or disposed of in the general waste.



07

Cleaning

To keep your Bionova in optimal condition, follow these cleaning guidelines:

- **Do not** use bleach or anti-bacterial cleaner as this will kill the microbes.
- Avoid using abrasive cleaners or scrubbing pads. Instead, use a soft dishcloth or toilet paper to wipe down the surfaces.
- Use only environmentally friendly, non-abrasive cleaners such as the Nature Flush Enzyme cleaner provided or similar to clean the following:
 - The toilet seat and surrounding area (**Do not** spray the control screen directly, spray the cloth before wiping over)
 - The integrated funnel (Cabin Plus only)
 - The urine canister (Cabin Plus only)
 - The solids container during yearly maintenance if required (when no material is inside, and wearing appropriate PPE)
- After emptying the urine canister, rinse it with the enzyme solution to prevent urine scale and odours.
- **Do not** hose or soak the outside of the unit with water (if installed in a shower space for example)

Alternative cleaning option:

You may also use a vinegar solution:

- Mix 1 part vinegar to 7 parts water for routine cleaning
- Optionally to clear urine scale buildup you may use undiluted vinegar but only in the urine canister.

08

Empty

Recommended Emptying Frequency

Based on household size and usage habits

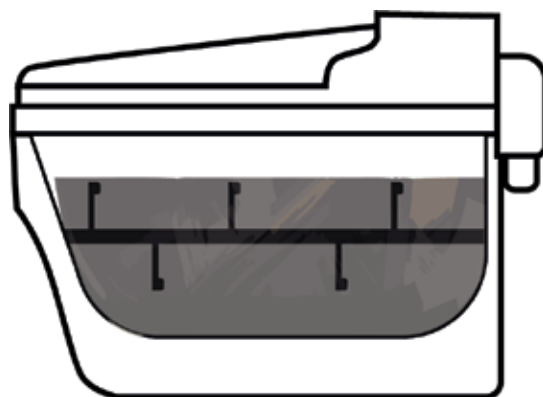
- For a full-time household of 2-3 adults, it is recommended to empty the compost chamber every 4-6 months.
- This interval is based on experience and observations, but actual frequency may vary depending on your household's specific usage.

When to consider emptying?

- Compost (black in colour) is level with the top of the mixer blade (see graphic below).
- Noticeably slower decomposition of waste and toilet paper, compost appears lighter in colour than usual (usually very dark almost black in colour) and is not mixing.
- Unusual or sour smell.
- Woodchips remain unmixed or poorly integrated with the waste.
- The toilet has been unused for more than 3 days and pile has become hard and compact.

Flexibility

Monitor and adjust your emptying schedule as needed to keep the system functioning properly. Diet, toilet paper usage and visit frequency all play a factor in determining how often you would need to empty the unit.



Safety preparations and high temperature disinfection before emptying

Before emptying the compost chamber, it's essential to disinfect the contents to reduce the risk of exposure to pathogens and ensure safe handling. Follow these steps to perform high-temperature disinfection:

Push the Dehumidify Button

This adjusts the device's temperature to the maximum (60°C–80°C). This temperature range is critical to eliminate most pathogens. **Do not open the lid during this time as it will reset the setting to the default heating mode.**

Monitor the Temperature

Keep an eye on the real-time display and ensure the temperature gradually rises to around 75°C.

Maintain High Temperature for Disinfection

Once the target temperature is reached, keep the compost chamber at this high temperature for at least 3 hours to effectively kill potential pathogens.

Important Safety Notes:

- Avoid opening the chamber until the unit has fully cooled down (30 minutes or so).
- Perform this process in well-ventilated conditions if possible.
- **Always wear gloves and a mask when handling compost post-disinfection.**

Steps for Emptying the Bin

Step 1: Assess the compost condition

- Color: Black, soil-like
- Odour: No odour or a slight earthy smell
- Texture: Crumbly, loose, well mixed with wood shavings and waste

Step 2: Turn off the equipment

Always unplug the toilet before removing compost.

Step 3: Lift the seat and lid and remove compost

- Lift up the toilet lid and seat.
- Using the shovel provided and the collapsible bucket to collect the compost from the unit. Place the lid on the bucket to transport.
- Repeat until the compost is at the bottom of the mixer blade.

Step 4: Compost disposal

You may choose to store the compost in a larger outdoor compost bin (which should be specifically for this compost). Alternatively, it can be buried at least 100mm below the soil if used in the garden. It is not recommended to plant with fruit and root vegetables.

Step 5: Restart the system

- Follow the starting steps **02 Starting A New Toilet** to restart the process.



09 Troubleshooting

Odour Or Smell Issues

Issue	Possible Cause	Solution
Persistent smell from vent or unit	Pile too wet or anaerobic	Add more bulking agent, run Dehumidify mode
Earthy or “wet wood” smell	Can be initial drying of the bulking agent when first installed. Pile drying out (normal)	Initial mild earthy smell is temporary; check moisture balance to ensure there is enough moisture in the bulking agent
Urine smell (Cabin Plus only)	Urine canister full or not emptied frequently enough	Empty urine canister every 2-3 days and rinse with Nature Flush enzyme cleaner
Smell near vent pipe	Poor airflow or blocked pipe	Check for blockages, clean fan and pipe, ensure insect screen is clear and fan is operating

Moisture & Compost Issues

Issue	Possible Cause	Solution
Compost pile too wet / pooling liquid	Overuse, excess urine, or poor evaporation	Add bulking agent, run Dehumidify mode for 4 hours
Compost too dry or crumbly	Infrequent use or excess heating	Add 600ml water or spray enzyme cleaner to moisten
Toilet paper not breaking down	Dry pile or insufficient microbial activity	Spray with enzyme cleaner or add water; consider adding microbes as per 05 General Use

Composting Not Working Effectively

Issue	Possible Cause	Solution
Compost pile is bone dry and rock hard	Unit was left on for an extended period of time and the pile became hard or the user is returning from extended absence	Remove hardened material using scraper and shovel, dispose of it and follow 02 Starting a New Toilet
Waste and woodchips not breaking down	Low microbial activity or improper balance	Add 1/4 microbe pack with 200ml warm water, mix into toilet
Pile is full, moist and back in most parts but waste is not mixing properly	Chamber has achieved the maximum compost possible materials are no longer combining	Follow steps in 08 Empty

Contact Us

Documentation

This user manual, as well as instructional videos, are available at any time on the Ecoflo website. If you need help with your toilet, easily submit a help ticket request.

Customer Service, Maintenance and Warranty:

Ecoflo Wastewater Management

Submit a ticket: help.ecoflo.com.au

Phone: 1300 138 182



Bionova

Self-Contained Composting Toilet

www.bionovatoilet.com