

Model : W500114/W500115  
W500116/W500117

# Contents

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## User

Security considerations .....	02
Main components .....	03
Before use .....	04
Control panel logo & indicator .....	06
Toilet Use .....	06
Emptying the waste-holding tank .....	07

## Routine Maintenance

Maintenance and cleaning .....	08
Winter use .....	09
When this product is left unused .....	09

## Installation

Technical specifications .....	09
Installation dimensions .....	10
Accessories list .....	11
Service door installation .....	12
Installation .....	14
Connecting electricity .....	16

## Others

Troubleshooting .....	19
Warranty regulations .....	20
Product Warranty Card .....	21





- Thank you for purchasing our products! Read this user manual carefully before you use the product and save it for future reference.

# Security considerations

Please read this manual carefully before installation and install it in strict accordance with this manual. After reading, please keep this manual properly.

In order to avoid injury or property damage to users and others, please strictly observe the safety warnings and cautions.

- Symbols and meanings

	Warning! Risk of causing serious injury or damage.
	Caution! Not follow instruction will lead to damage.
	This symbol indicates that this operation is forbidden.
	This symbol indicates related information.

## Warning

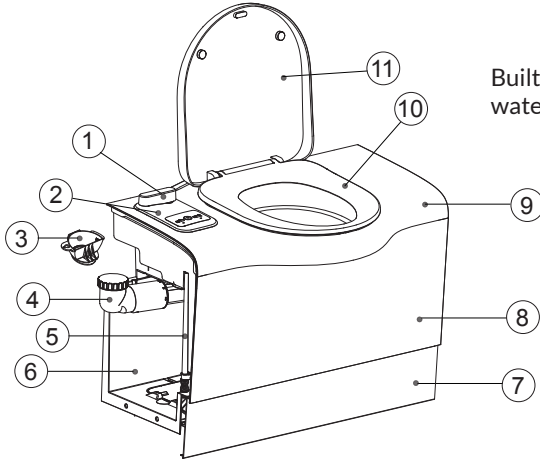
1. A lighted cigarette or other incendiary object must not be put into the toilet or it may cause a fire.
2. It is strictly prohibited to disassemble, repair or modify the product, otherwise it may cause personal injury or fire.
3. The product must be connected to DC12V electricity and the positive and negative poles of the electricity should be properly connected. Otherwise, the product may be damaged or cause a fire.

## Caution

1. The seat and cover of this product have the function of slow down. Do not press hard to avoid damaging the decelerator.
2. When using this product, do not lean back on the cover to avoid damaging the product.
3. Do not pour newspaper, paper urinal pad, sanitary towel and the other clogging articles into the toilet.
4. Do not stand on the seat, cover or toilet.
5. Do not use the toilet below 0 °C. If the indoor temperature is lower than 0 °C, make sure you completely drain the waste-holding tank, to prevent it from expanding and freezing.
6. Make sure you cut off the electricity and close the water system of the vehicle during installation, disassembly and maintenance.
7. If you are not going to use this product for an extended period time, ensure that the power supply is off, and drain the waste-holding tank.
8. Children shall not play with this product.

# Main components

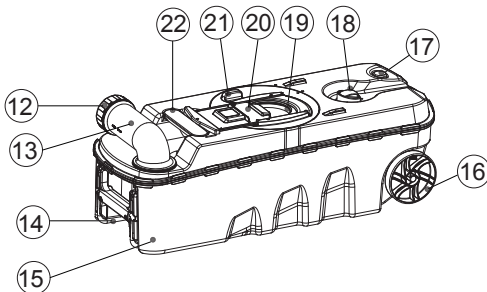
## Toilet



Built-in water tank

- ① Blade handle
- ② Control panel
- ③ Water filling funnel
- ④ Water filling extension
- ⑤ Level indicator
- ⑥ Bottom base
- ⑦ Decorative board
- ⑧ Lower shell of toilet
- ⑨ Upper shell of toilet
- ⑩ Seat
- ⑪ Cover

## Waste-holding tank



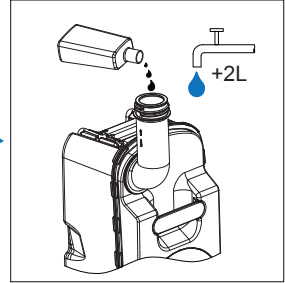
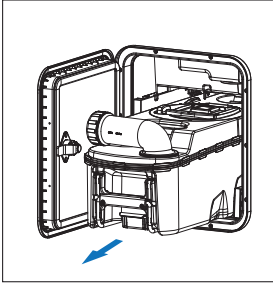
- ⑫ Cap
- ⑬ Pour out spout
- ⑭ Pull handle
- ⑮ Tank
- ⑯ Wheel
- ⑰ Vent button
- ⑱ Automatic pressure release vent
- ⑲ Gasket
- ⑳ Sliding cover
- ㉑ Blade opener
- ㉒ Handle

## Before use

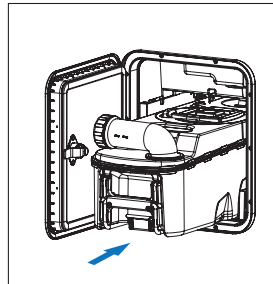
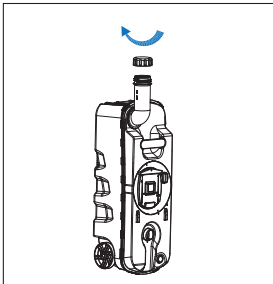
### Add the cleaner to the waste-holding tank


- Ensure that all packaging materials have been removed.


1. Remove the waste-holding tank through the service door.
2. Place the waste-holding tank upright and turn the pour out spout upwards. Remove the cap from the pour out spout.
3. Add the stated dosage cleaner to the waste-holding tank, and add 2L of water to the waste-holding tank to ensure that the bottom of the waste-holding tank is covered.

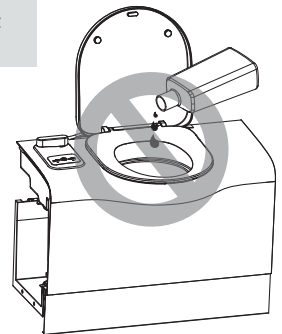
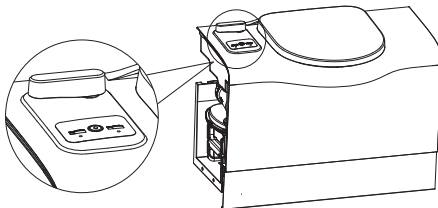


4. Screw the cap back onto the pour out spout. Slide the waste-holding tank back into its original position via the service door.



 Never add toilet cleaner directly via the valve blade or via the toilet bowl as this could damage the gasket ring of the waste-holding tank. Only fill the waste-holding tank via the pour out spout.

 Never use force if the waste-holding tank cannot pull out. If blockage occurs, always check if the blade handle is in the closed position.



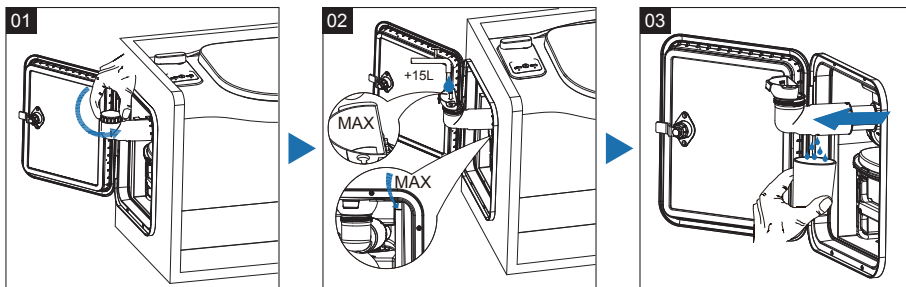
## Before use

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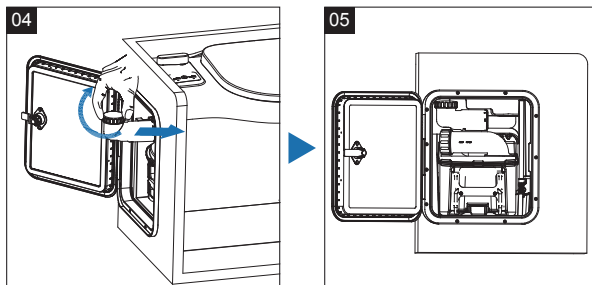
### Filling the flush-water tank with water

(Only suitable for model W500116/W500117)

1. Rotate the water filling extension horizontally and remove the cap.
2. Place the water filling funnel and add water to "MAX" mark.
3. Drag the water filling extension along its direction and drain excess water.

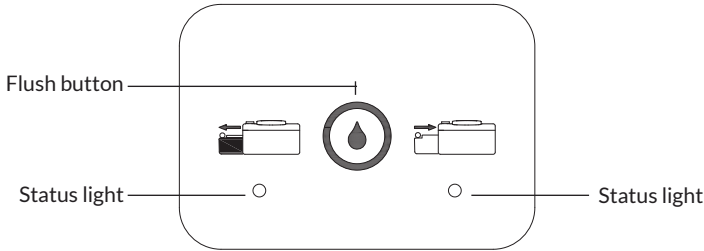


4. Screw the cap back onto the water filling extension and push back to its original position.
5. Rotate the water filling extension back to the toilet inner.



**Warning!** Drain excess water to keep water level below the water filling extension (see diagram 3).

# Control panel logo & indicator



	Flush button: Press and hold it to flush the toilet. Release it to stop flushing.
	Light off: Indicates the holding tank is not full and it can be used normally.
	Flashing red light: Indicates the holding tank is full, need to empty it on time.
	Light off: Indicates the holding tank is in place and the blade handle is in the closed position. Meaning the toilet is closed.
	Solid green light: The blade handle is in the open position. Meaning the toilet is open.
	Flashing red light: The holding tank is removed or not in place. Meaning the toilet cannot be used.

## Toilet Use

### Use the toilet:

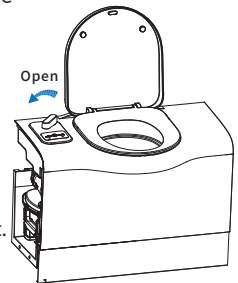
1. Turn the Blade handle to the ON position and fully open the Blade (the indicator on the right side of the control panel is always on in green).
2. Open the toilet cover.

**!** The toilet can withstand a maximum load of 125kg. Make sure you do not overload the toilet.

### Flushing the toilet:

1. Make sure the blade is open (Righthand light on the control panel indicates green light).
2. Press the flush button and hold it for several seconds to flush the toilet.

**i** Under special circumstances, such as the electric pulverizer is installed or the valve is closed for flushing, the free flushing mode can be entered after 12 times of continuous flushing within 5S. And repeat the above operation to exit this mode.



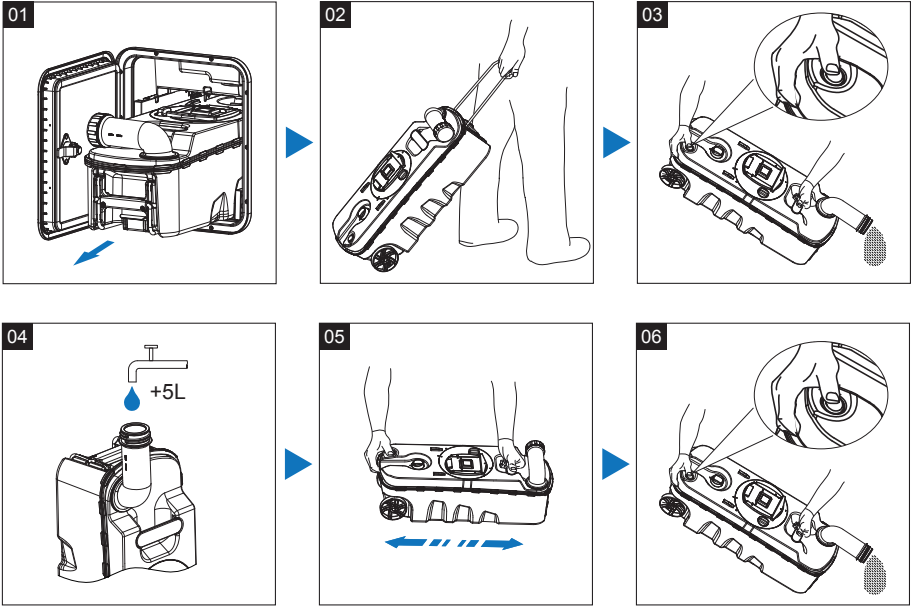
**!** To prevent water leaking damaging your caravan, do not travel with water in the toilet bowl.

**!** Close the blade if the toilet is not being used. Do not leave water in the toilet bowl.

# Emptying the waste-holding tank

The waste-holding tank has liquid level indicator and water full alarm. When the left light on the control panel blinks red, you will hear a series of beeps by pressing the flushing button, it means the waste-holding tank is too full and must be emptied. When the alarm sound appears, the flushing button will stop after 5s delay. (If less than 5s, can be used up to 2 times).

## Emptying the waste-holding tank:



- If you want to continue using your toilet after emptying the waste-holding tank, prepare the waste-holding tank again. See Before use.

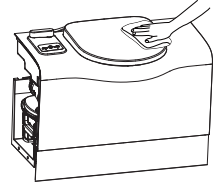
**⚠ To prevent water leaking damaging your caravan, do not travel with a waste-holding tank that is more than 3/4 full.**



# Maintenance and cleaning

1. Recommends cleaning the toilet regularly to prevent scale.

- Please wipe the dirty area with a wrung-out soft cloth.



**Never use household cleaners to clean the toilet. These may cause permanent damage to the gasket and the other components.**



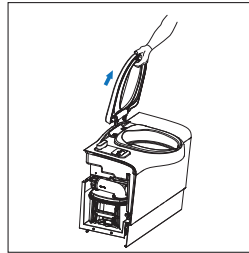
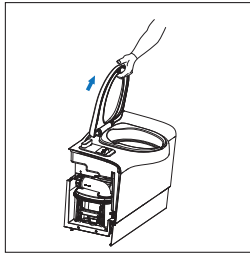
The blade gasket is a part of the toilet that is subjected to wear. Depending on the extent and manner of servicing, after a certain period the gasket will degrade and must be replaced.



**Never use Vaseline or vegetable oil to lubricate the gasket. This may cause leakage to the waste-holding tank.**

2. Recommends to remove the cover regularly to clean the dead corner.

- Lift the cover and seat.
- Gently pull out to remove the seat and cover, and take down the cover components.

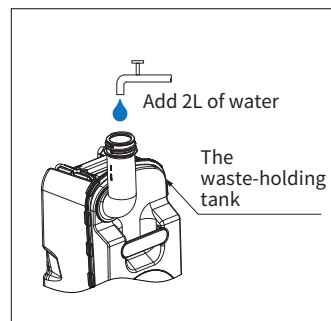
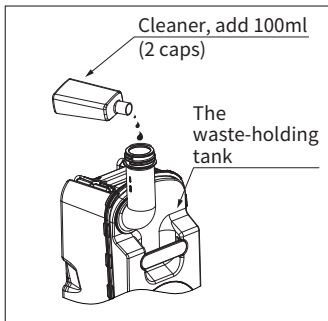


- Installation after removal: Align the cover with the fixed plate and insert it to complete installation.

3. How to use cleaner.

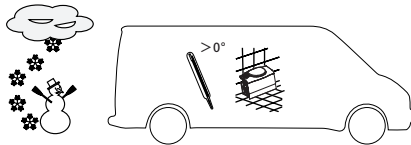
- Daily use of cleaner on the waste-holding tank to achieve the effect of degradation paper, sterilization and deodorization.

**i** Unscrew the plastic cap directly, add 2 caps (100ml) and 2L of water into the waste-holding tank.



## Winter use

1. The toilet seat can be used even in cold weather as long as it is placed in a heated area.
2. If there is no heating and there is a risk of frost, we recommend against using the toilet.



**!** If the indoor temperature is lower than 0 °C, be sure to complete the drain of the toilet and RV water system. Then empty the waste-holding tank, to prevent it from expanding and freezing.

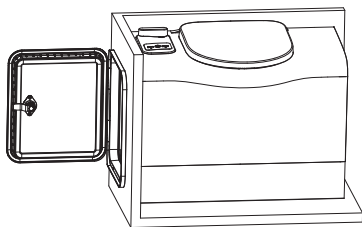
## When this product is left unused

1. Empty the water system of the vehicle.
2. Press and hold the flush button of the toilet until no water rushes out.
3. Empty and dry the waste-holding tank.
4. Rinse and dry the entire toilet thoroughly.
5. Slide the waste-holding tank back into its original position and close the blade.

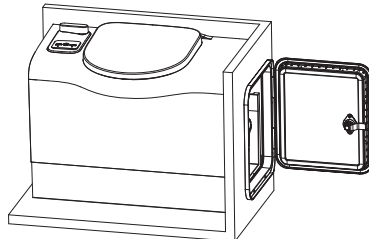
## Technical Specifications

Model	W500114/W500115/W500116/W500117		
Direction	H	W	D
Dimensions(mm)	670	405	522
Net weight(kg)	10.0		
Capacity of waste-holding tank (L)	20.0		
Capacity of built-in water tank(L)	14.4		

W500114: Left service door  
W500116 (Built-in water tank)



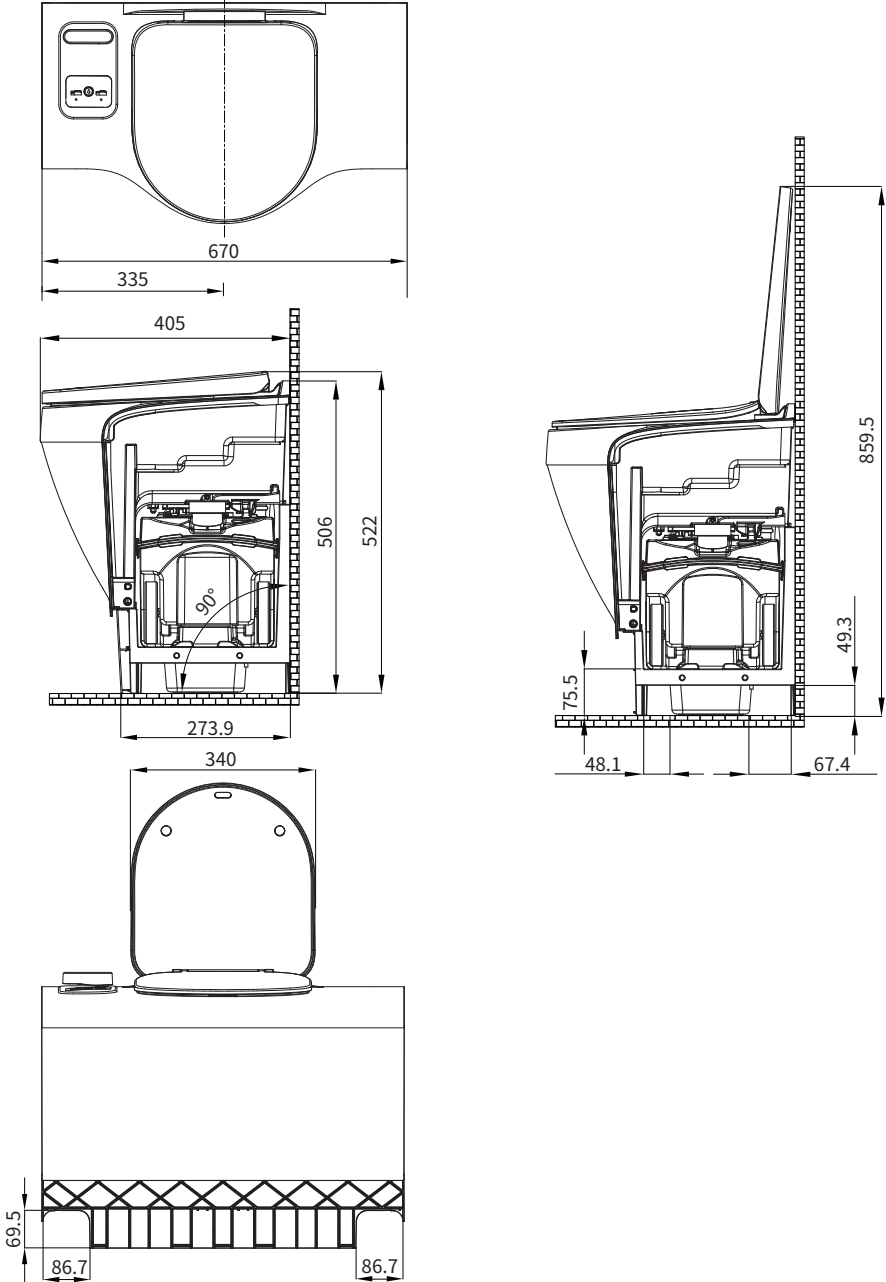
W500115: Right service door  
W500117 (Built-in water tank)



**i** Please select the appropriate model according to the installation direction of the actual service door (please check the model printed on the outer box) for installation.

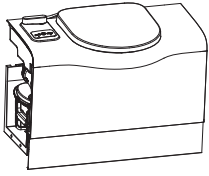
# Installation dimensions

Unit: mm

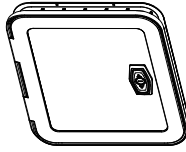


# Accessories list

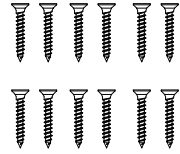
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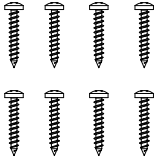
Toilet



Service door



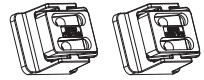
Screw ST3.5\*25mm



Screw ST4.2\*25mm



Double-thread Self-tapping  
Screw ST3.9\*24mm



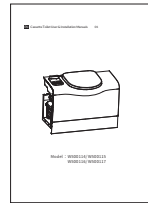
Wall Bracket



Wall Seal



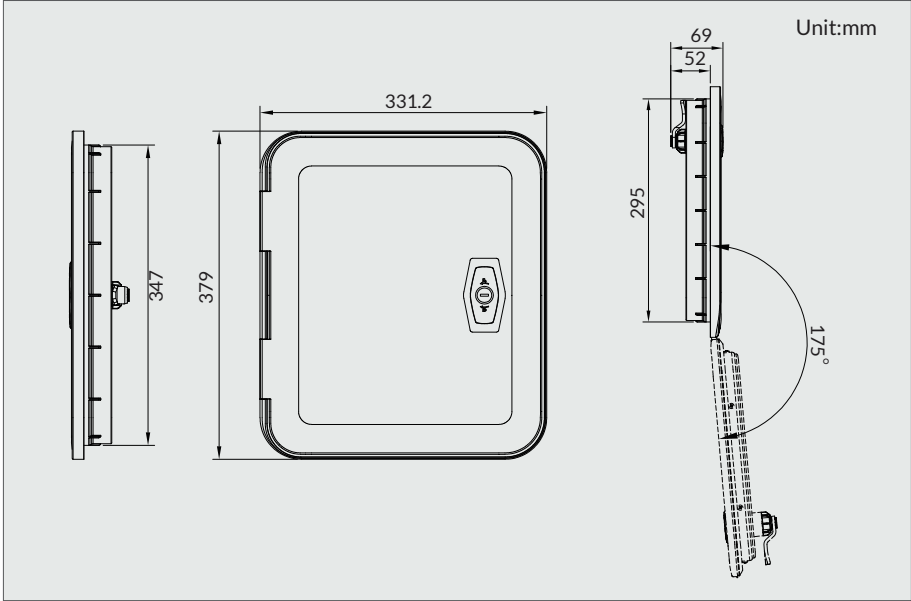
Degradation Liquid



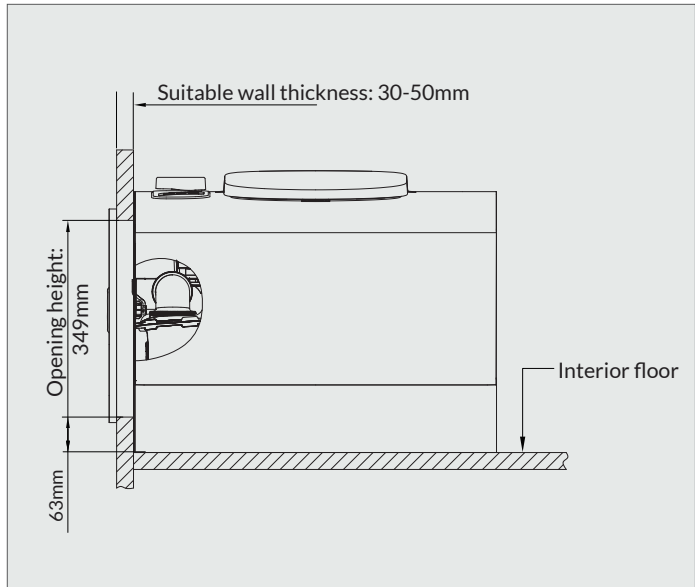
User Manual

# Service door installation

## 1. Service door dimensions



## 2. Opening position



# Service door installation

## 3. Service door installation.



This product is only suitable for flat wall installation. And other special walls need to be treated flat before installation. The four sides of the opening must be solid enough to bear the door installation strength.

• Installation steps:

Unit: mm

<p>1) Open the hole on the wall (the wall thickness needs to be between 30mm-50mm). Please refer to the opening position on the previous page.</p>	<p>2) Put the sealant into the groove of the outer ring of the door frame, which should not be too much. Please use a soft scraper to remove the spilled sealant.</p>
<p>3) Open the door first, and then carefully install the door with sealant into the opening. Note: the unfixed frame is prone to deformation. In order to avoid that the four corners of the frame are not perpendicular to each other, three screws shall be fixed after the door is installed into the opening.</p>	<p>4) Check whether the four corners of the frame are perpendicular to each other through gauges.</p>

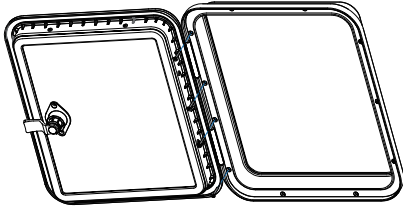
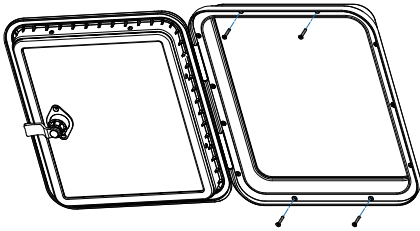
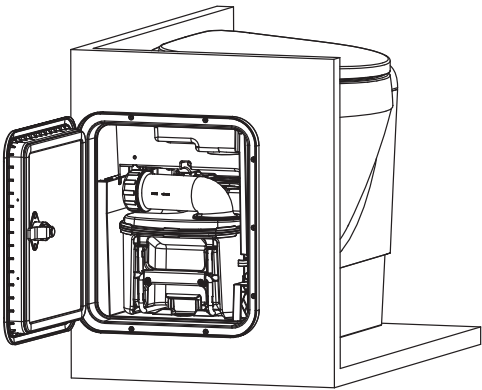


Screw installation torque:  $1.2 \pm 0.3\text{N.M}$  (depending on the hardness of wallboard material).

# Service door installation

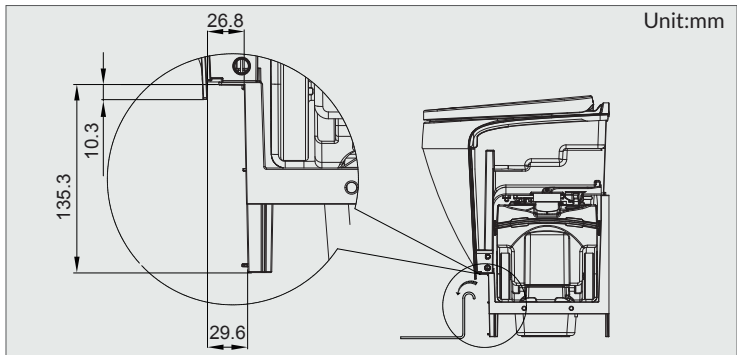
• Installation steps:

Unit: mm

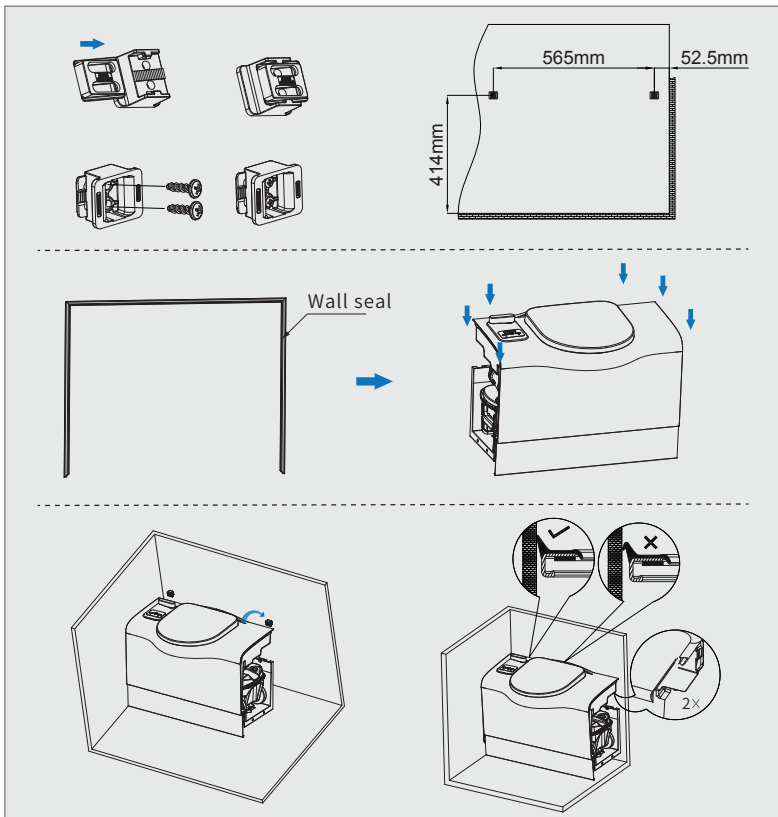
	
<p>5) Fix the four screws on the left after confirmation.</p>	<p>6) Fix the upper and lower screws.</p>
	
<p>7) Check whether the opening and closing of the door is smooth, whether the rubber strip is compressed after the door is closed, and check the appearance.</p>	

# Installation

1. Install shower tray (if applicable)



2. Install the wedge buckle into the Wall Bracket and install the Wall Bracket to the appropriate height of the vehicle wall with 4 ST3 9 \* 24mm screws, and hang the toilet with Wall seal on the pre-installed Wall Bracket in front (both sides need to be hung in place).

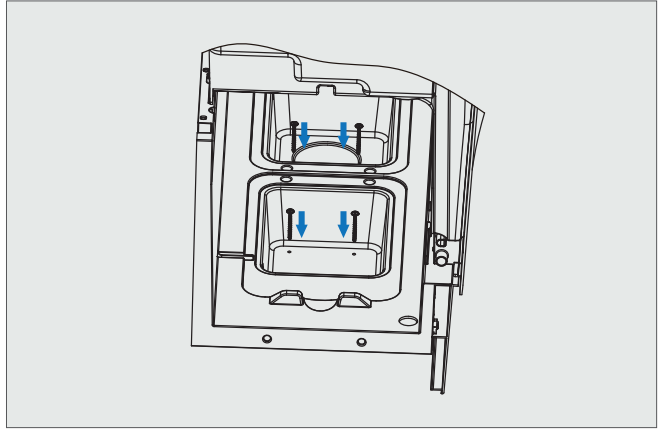


**i** When installing the toilet, pay attention that the flanging of the Wall seal shall not deform downward.



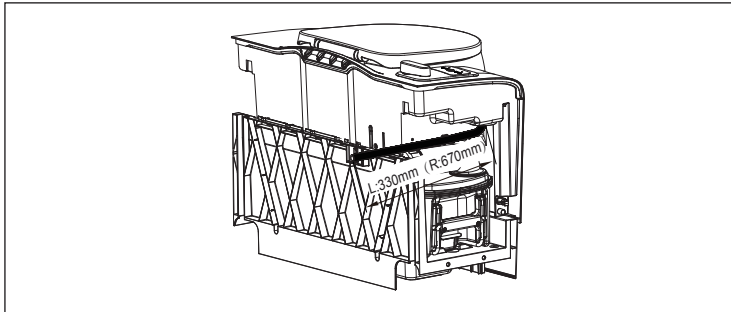
# Installation

3. If holes are required, four self-tapping screws can be used to fix the toilet on the onboard floor (if applicable).



**i** These screws are not delivered with the machine and need to be purchased additionally.

4. Connecting the water hose  
(Only suitable for model W500114/W500115)



Diameter	Inside: 10 mm Outside: 16.5 mm
Length and position	Left-hand toilet:330mm from the side of the toilet Right-hand toilet:670mm from the side of the toilet
Required pressure	Min.: 0.35bar at 4.2L/min Max.: 0.70bar at 7.1L/min
Maximum allowable pressure	8bar

**i** Make sure after the hose is connected, the waste-holding tank can still be pulled out of the toilet seat and removed.

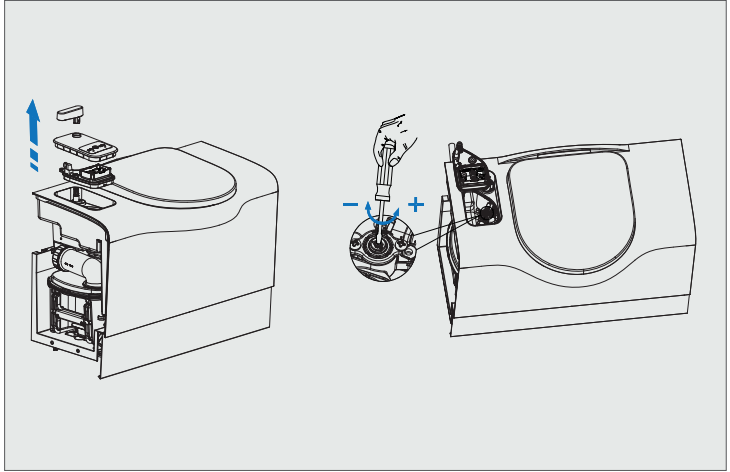
# Installation

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## 5. Adjust flush pressure (if applicable).

Meet the required pressure for the remote pump at the toilet inlet to ensure correct flush.

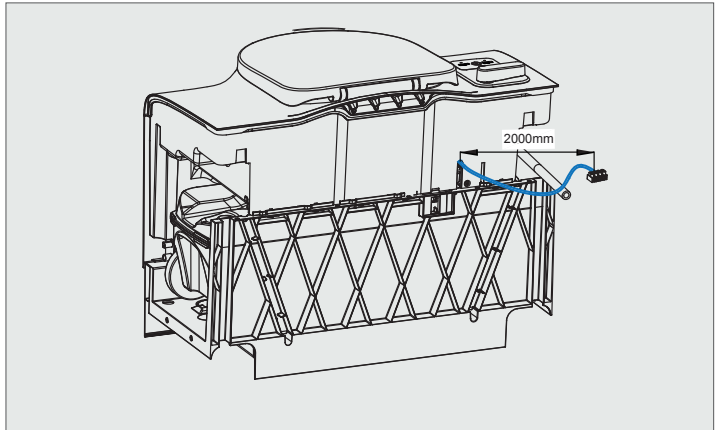
If the pressure is too high, use a slotted screwdriver to adjust the "water pressure control" knob on the solenoid valve.



# Connecting electricity

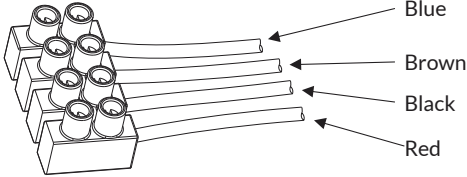
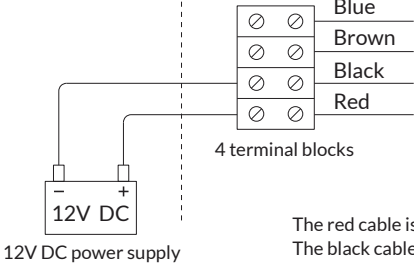
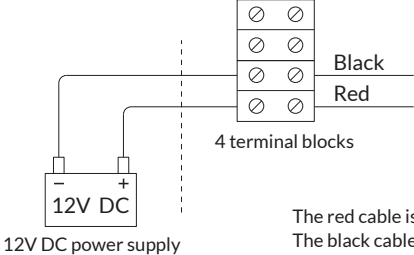
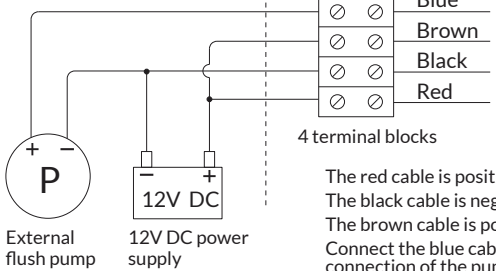
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## 1. Length of main cord.



# Connecting electricity

2. Use the following parameters to connect the power supply correctly.

Connector	4 terminal blocks
Position wiring	
Cable connections when the toilet is connected to a pressure system	 <p>12V DC power supply</p> <p>4 terminal blocks</p> <p>The red cable is positive. The black cable is negative.</p>
Built-in water tank	 <p>12V DC power supply</p> <p>4 terminal blocks</p> <p>The red cable is positive. The black cable is negative.</p>
Cable connections when the toilet is connected to a non-pressure system	 <p>External flush pump</p> <p>12V DC power supply</p> <p>4 terminal blocks</p> <p>The red cable is positive. The black cable is negative. The brown cable is positive. Connect the blue cable to the positive connection of the pump.</p>



**The power supply specifications: 12V DC, maximum power of external load  $\leq$  156W**

# Troubleshooting

Malfunctions	Possible reasons	Solutions
Unable to pull out the waste-holding tank	<ol style="list-style-type: none"> <li>1. Blade (partially) not closed</li> <li>2. Due to the clip of waste-holding tank not lifted</li> </ol>	<ol style="list-style-type: none"> <li>1. Fully close the blade</li> <li>2. Lift the clip, then pull out</li> </ol>
Press the flush button but no flush-water	<ol style="list-style-type: none"> <li>1. When the waste-holding tank is full, the left light on the control panel blinks red</li> <li>2. When the waste-holding tank is removed or not in place, the right light on the control panel blinks red</li> <li>3. When the blade is closed, the light on the control panel is off</li> <li>4. When the light on the control panel is off, indicates the toilet fuse is blown out</li> </ol>	<ol style="list-style-type: none"> <li>1. Empty the waste-holding tank</li> <li>2. Slide the waste-holding tank back in place</li> <li>3. Move the blade handle to open the blade</li> <li>4. Replace the toilet fuse</li> </ol>
Waste-holding tank leaking	Gasket is dry or worn out	Replace gasket
Unpleasant smells	<ol style="list-style-type: none"> <li>1. Blade is (partially) open after use</li> <li>2. Not using Ccleaner</li> </ol>	<ol style="list-style-type: none"> <li>1. Close the blade after use</li> <li>2. Use cleaner</li> </ol>



In order to flush , please turn the blade handle to make it open.  
After using, please close the blade handle.  
Do not use the toilet when the red light is flashing.



If you cannot solve the problem, contact the authorized local service center or Customer Service Office in your country.

# Warranty regulations

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1. The whole machine of this product is guaranteed free of charge for one year.
2. During the warranty period, the fault caused by normal use in accordance with the instructions (determined by the official staff of the company) will be repaired free of charge.
3. During the warranty period, in case of any of the following circumstances, a charge repair and lifetime service will be implemented:
  - 1) Unable to provide this warranty card and valid purchase certificate.
  - 2) Invoice alteration.
  - 3) Failure and damage caused by unexpected factors and improper use.
  - 4) Failure damage caused by self-repair without permission of our company.
  - 5) Damage caused by using power supply and voltage other than specified.
  - 6) Products that continue to be used after the expiry of three guarantees after repair.
4. Only the above warranties are made without any other warranties, express or implied, including the implied warranties of merchantability, rationality and adaptability for a particular application). The company shall not be liable for any special, incidental or indirect damages, whether in contract, in civil negligence or otherwise.
5. The period of validity of the three guarantees is calculated from the date of invoice, excluding the time occupied by repair and waiting for repair without spare parts. During this period, the consumer shall handle the repair, return and replacement with the invoice and Three Guarantees certificate.
6. The consumer can choose to return, exchange or repair the product in case of performance failure within 7 days from the date of sale.
7. If the product fails within 15 days from the date of sale, the consumer can choose to replace or repair it.

Follow-up calls: 400-839-8111

# Product Warranty Card

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Product name: \_\_\_\_\_


Product style: \_\_\_\_\_

Factory number: \_\_\_\_\_

Manufacture Date: \_\_\_\_\_

Customer name: \_\_\_\_\_ Phone: \_\_\_\_\_


Customer address: \_\_\_\_\_

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Warranty contents: \_\_\_\_\_

Customer Service Executive: \_\_\_\_\_


Customer signature: \_\_\_\_\_  Satisfied  Dissatisfied

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Warranty contents: \_\_\_\_\_

Customer Service Executive: \_\_\_\_\_


Customer signature: \_\_\_\_\_  Satisfied  Dissatisfied

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Warranty contents: \_\_\_\_\_

Customer Service Executive: \_\_\_\_\_

Customer signature: \_\_\_\_\_  Satisfied  Dissatisfied

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- The images of the product may be slightly different from the material objects due to the continuous research and improvement efforts.