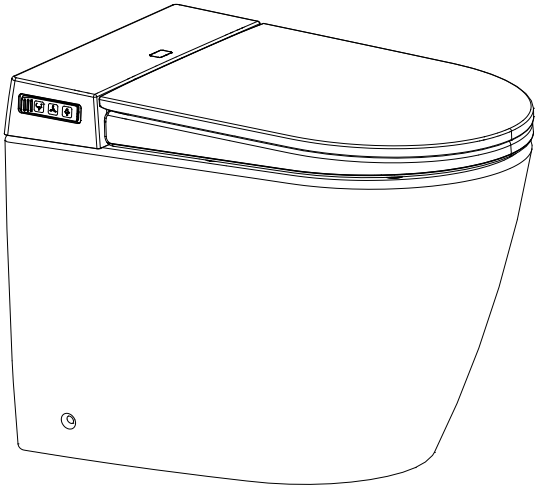
LAFEME

Instruction manual

CRAWFORD ST21

Floor Mounted Smart Toilet



Scope of use

Installation is subject to the requirements of the applicable regulatory authority, the National Construction Code Volume Three -Plumbing Code of Australia, associated reference standards as applicable at the time and AS/NZS 3500. bidet douche seat includes air-gap assessed and found to comply with the requirements of as 2845.2:2010. no further backflow prevention is required for this connection to water supply.

To install, tighten each inlet connection to 10 N.m Max. torque. Leakage test shall be done before first use. Only qualified plumber for Installation and maintenance.

Smart Toilet body: PP
Water temperature: 4-35°C
Operating Pressure: 0.07-0.75 Mpa
Only watermark certified components could be used to match with those Smart Toilet bidet seat.

※ Please read this manual thoroughly before using the product.
※ Please do not hesitate to contact us if you have any questions in the installation or usage.
※ Please safekeeping this manual after reading.

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Safety precautions

In order to avoid injury and property loss, please follow the safety warnings and precautions. Read this manual carefully before installation, and then install it accordance with the instructions. After you have finished reading, please keep the instructions for the end user.

⚠ WARNING It means that if you ignore this sign
It may cause personal injury or property damage

Below items are prohibbted

These are compulsory requirements

⚠ WARNING	
	Make sure that this product is correctly attached to a grounded connection. (If the product is not grounded, it may introduce the risk of electric shock)
	Please do not use a loose power connection,or it may cause electric shock or cause fire.
	Please do not spray detergent, water, cleaning agent in or around the power supply, this may cause electric shock or fire.
	Always use the specified supply voltage (240VAC, 50Hz), it is necessary to install a circuit breaker.
	Prior to the installation,a suitable electrical connection should be available,according to the current local legislation.
	Rainwater, demineralized water, sea water or grey water are not suitable to operate this equipment. Operate with normal drinking water only.
	Recommended water pressure is between 100-500Kpa Recommended water temperate is between 4-35°C
	Use only mild detergent and a soft cleaning cloth for cleaning the seat and surrounding pan, (Enjo or similar micro fibre cleaning products are suitable) Typical toilet cleaning procedures for inside pan are suitable. Bleach or chlorine-based products should not be left inside the pan with the seat shut or for prolonged periods.
	Standing on the seat, using the seat for a plank or any use outside of a typical weight not evenly distributed can cause damage to the seat and will void the warranty. The washlet must be installed by recognized professional tradespeople. i.e. Plumber and Electricians.
	Use only Watermark approved flexible hoses for this installation.
	Do not attempt to disassemble and/or repair the product without authorization, any work by non-professionals will void the warranty and may cause damage to the product.

⚠ WARNING

	Please stop using if the seat cover malfunctions Please cut off the power supply, and close the water-inflow valve to stop water supply if following cases happen: Faults: Excessive heating; smoking; Abnormal sound and odour; Products cracks, damages; or blocked. It may cause electric shock, injury,fire or indoor problems if you continue to use it when it is malfunctioning.
	Please do not use gasoline, detergent, nylon brush and other non-neutral cleaning agent to clean the seat cover and other plastic parts. Otherwise, it may cause a chemical reaction or crack, which will lead to injuries.

⚠ WARNING

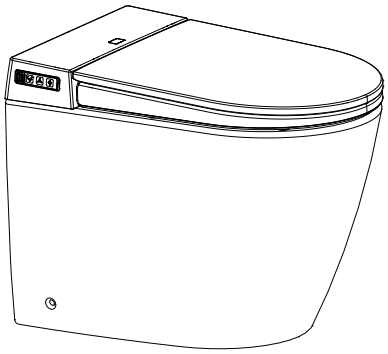
	Make sure the power supply is cut off when the product is maintained, or it may cause an electric shock or fire.
	Please make sure that the power is correctly connected to the AC 220V/50Hz power socket, or it may cause electric shock or fire. must have an isolated circuit breaker.
	Please turn off power before taking out washlet seat or it may cause electric shock.
	Please ensure the bathroom is ventilated to make sure the atmosphere is suitable, the washlet is an electric appliance product, please do not install in the place with high moisture or somewhere easy to get wet. Otherwise,it may cause electric shock or fire.
	Please close the water-inflow valve if water leakage, and ask the professional person to repair it, or it may lead the damage of products.
	THIS TOILET DOUCHE SEAT MUST BE INSTALLED WITH APPROPRIATE BACKFLOW PROTECTION CONFORMING TO THE NATIONAL CONSTRUCTION CODE - VOLUME THREE.

⚠ WARNING

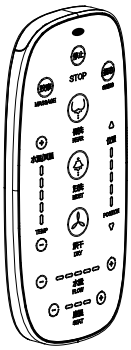
	Please turn off inlet valves , drain water out from toilet and cut the power when not using products for a long time. Please through the water when you use this product again, to prevent water quality problems, which will cause skin diseases. Otherwise , it may cause electric shock , injury or fire.
	Please tighten each waterway connection when installing it or it may cause water leakage.
	Please pay attention to socket and installation position. Please set the leakage protector in the socket circuit or insulation transformer (1.5 KVA-3KVA). Power socket installation location should at least 0.5 m above the floor, and keep away from objects out of water such as shower and bathtub. Otherwise it may cause water leakage.
	Please turn off power before cleaning products and do not clean products with water directly or it may cause electric shock or fire.
	Please put the product in the shade or the products may fade or burnt on the surface.
!	Please increase indoor temperature and make sure the water is flowable before using to avoid damage in cold region, or it may cause products damaged or water leakage.
	To prevent scalding users, the seat temperature will decrease automatically after seated 15mins.
	Please make sure the power supply and inlet valves are turned off before taking cover off the seat, or it may cause electric shock or fire.
	This appliance can be used by children aged from 8 years and above and persons with reduced physical, sensory or mental capabilities or lack of experience and knowledge if they have been given supervision or instruction concerning use of the appliance in a safe way and understand the hazards involved.
	Children shall not play with the appliance.
	Cleaning and user maintenance shall not be made by children without supervision.
	The appliance is not to be used by persons (including children) with reduced physical, sensory or mental capabilities, or lack of experience and knowledge, unless they have been given supervision or instruction.
	If the supply cord is damaged, it must be replaced by the manufacturer, its service agent or similarly qualified persons in order to avoid a hazard.

Bill of material

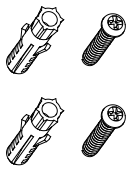
MAIN ENGINE



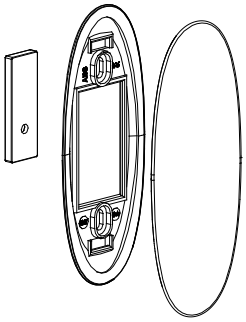
REMOTE CONTROL



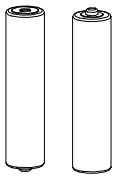
REMOTE EXPANSION SCREW GROUP (EACH 2 PCS)



REMOTE CONTROL HOLDER

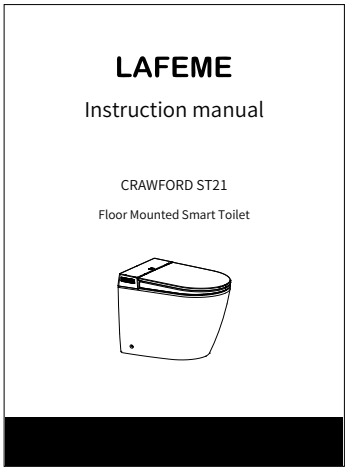


AAA BATTERY*2 (NOT INCLUDED)

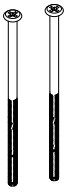


DOUBLE SIDE TAPE

INSTRUCTIONS

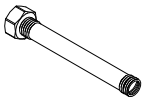


SCREW (2 PCS)

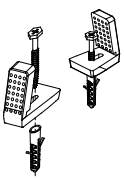


DECORATIVE CAP (4 PCS)

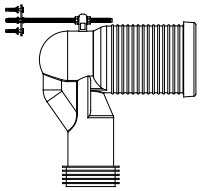
INLET HOSE (1 PC)



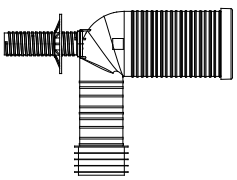
CERAMIC FIXED COMPONENTS (EACH 2 PCS)



DRAIN PIPE T3113 (1 PC, INCLUDED)



DRAIN PIPE T3103 (1PC, SOLD SEPARATELY ON REQUEST)

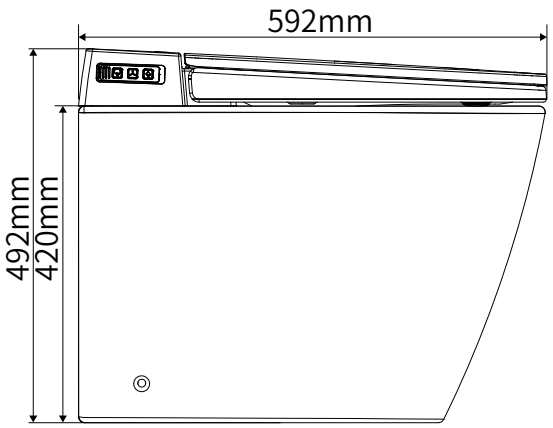


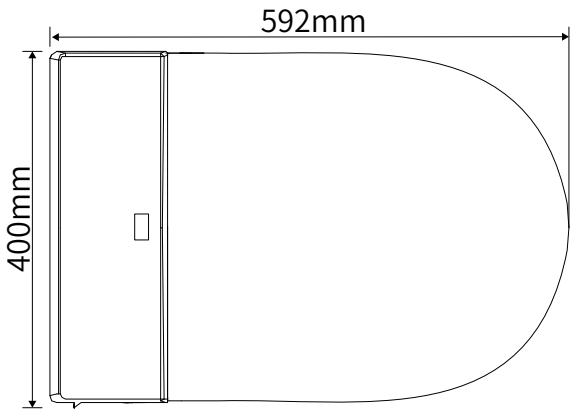
Specification

The rated power		220V-240V~ 50Hz	
Effluent-water temperature range		About 35°C~42°C	
Drying temperature control		About 32°C~57°C	
Surface temperature		Room temperature~About 42°C	
Deodorizer		Catalyst deodorizing	
Soft-close control for seat cover		Slow dropping mechanism	
Cleaning water consumption		4.5L/3.0L	
Washing method		Flush type	
Rated power	1100W	Maximum power	1600W
Temperature of supplied-water	4°C~35°C	Ambient temperature	3°C~40°C
Waterproofing grade	IPX4	Product size	592*400*492mm
Pressure of supplied-water	0.07MPa (Dynamic pressure) ~0.75MPa (Static pressure)		

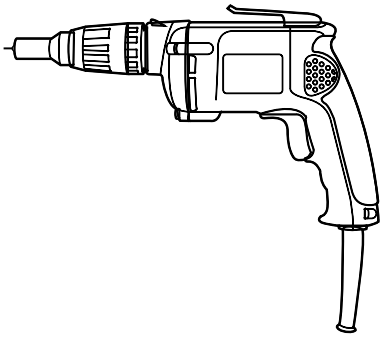
※1:The rated power: water pressure is 0.18MPa + 0.02MPa under the ambient temperature of 20°C±5°C. And under the condition of 15°C±1°C water-inflow temperature, heighten the water quantity, the seat temperature and the water temperature in turn, to start the feminine cleaning in an average power.

※2:Maximum power: water pressure is 0.18MPa + 0.02MPa under the ambient temperature of 23°C±2°C. And under the condition of 15°C±1°C water-inflow temperature, heighten the water quantity, the seat temperature and the water temperature in turn, to start the feminine cleaning in an average power.

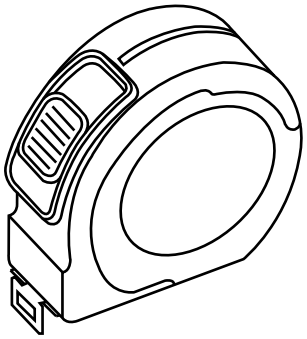




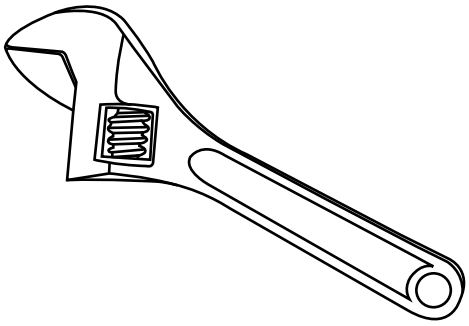
Installation Tools



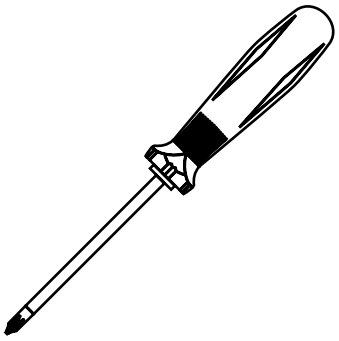
Percussion Drill



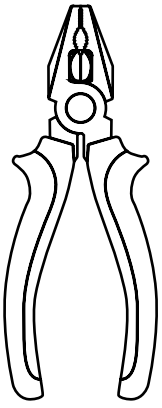
Tape



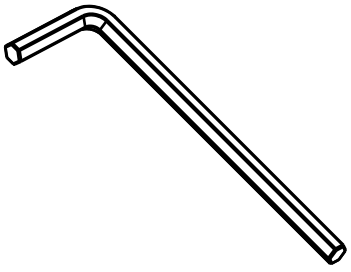
Adjustable Wrench



Screwdriver

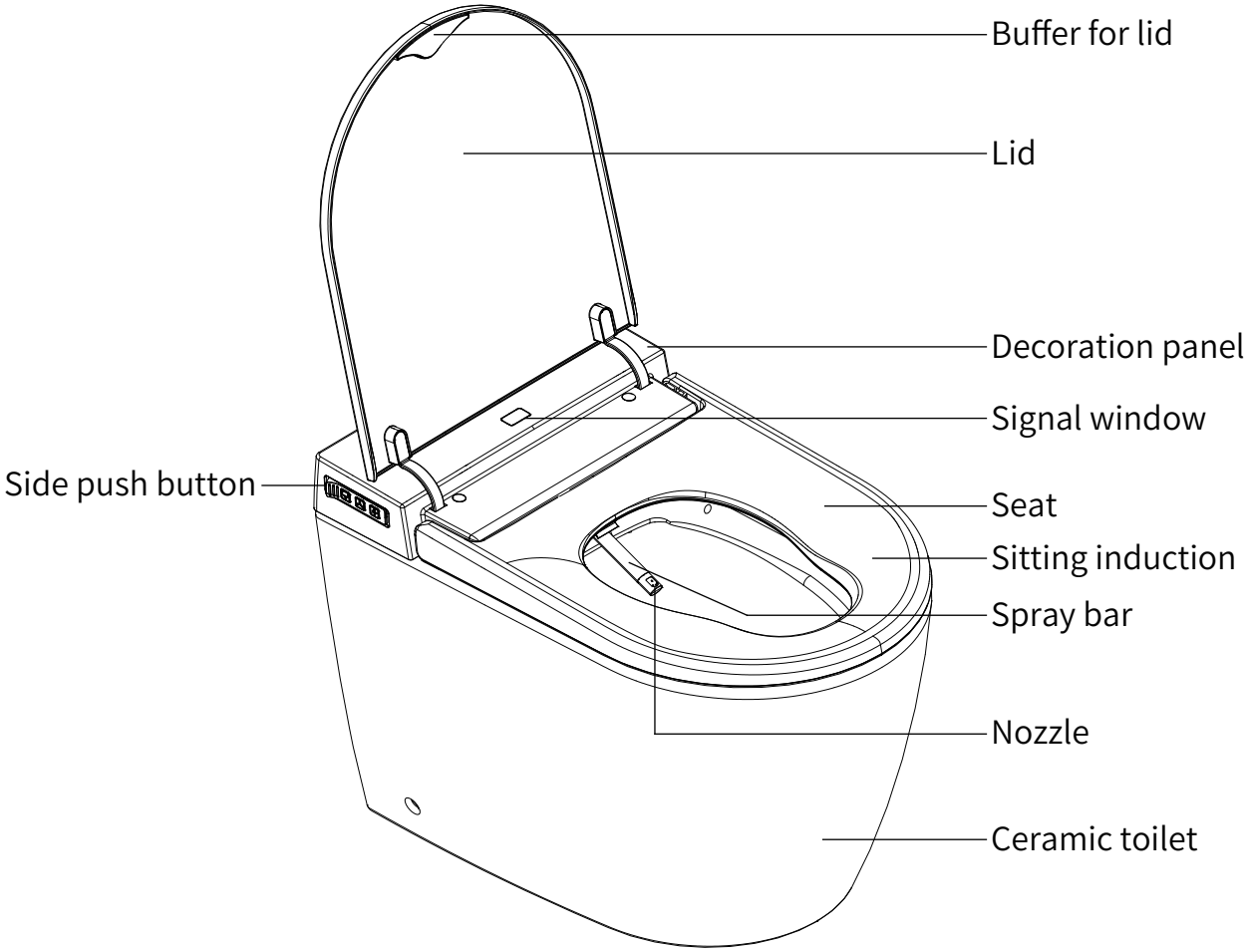


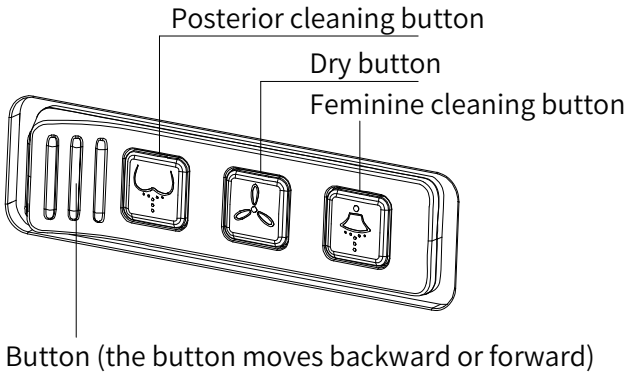
Pliers



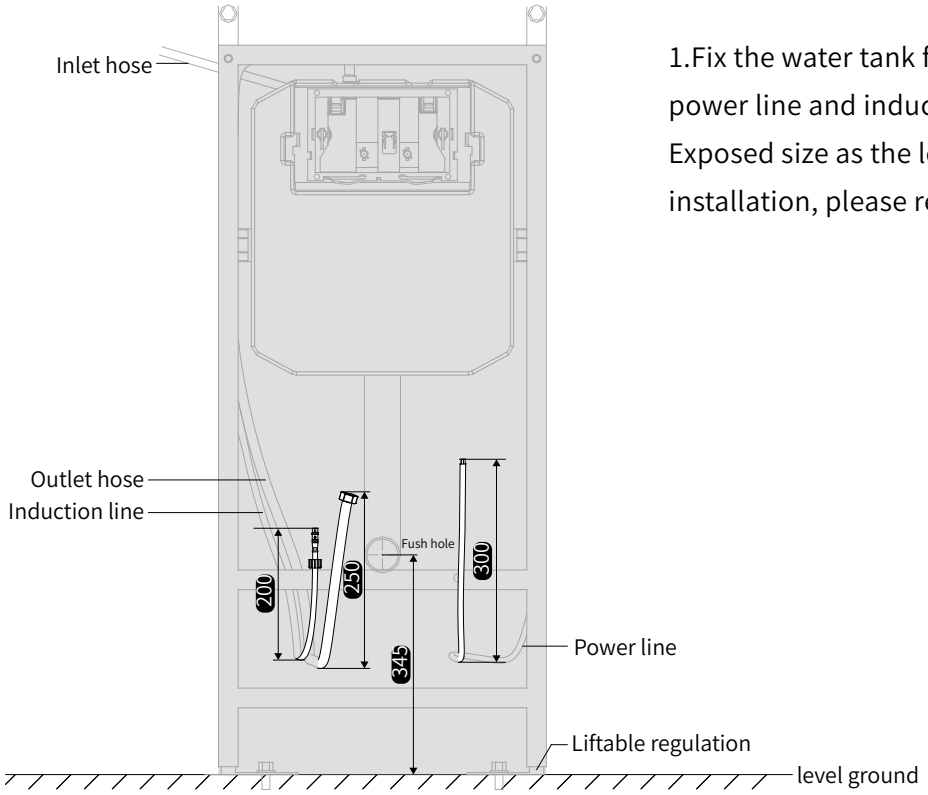
Inner hexagon spanner

Parts name


Buffer for lid
Lid
Decoration panel
Signal window
Side push button
Seat
Sitting induction
Spray bar
Nozzle
Ceramic toilet

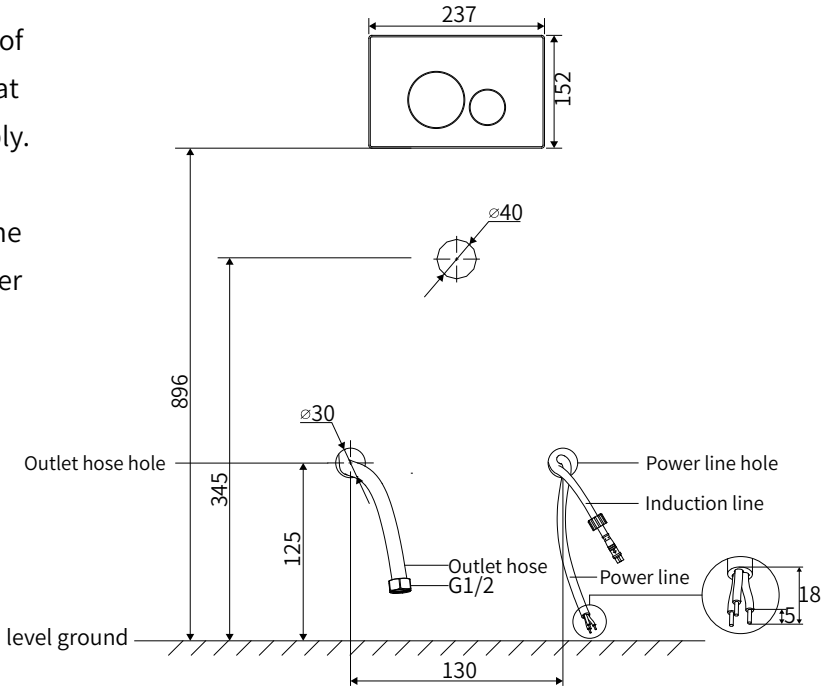

Posterior cleaning button
Dry button
Feminine cleaning button
Button (the button moves backward or forward)

Product installation



1.Fix the water tank frame with the outlet hose, power line and induction line exposed.
Exposed size as the left (as for water tank frame installation, please refer to accordingly manual).

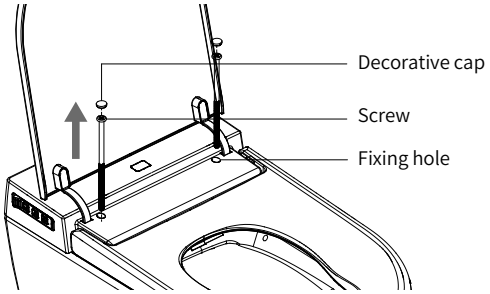
2. Connect the 1/2" thread in the side of the cistern to a 1/2" BSP wall elbow at the rough in position for water supply. Take out the textile pipe from the accessory box and connect it with the outlet pipe of the water tank for water supply.



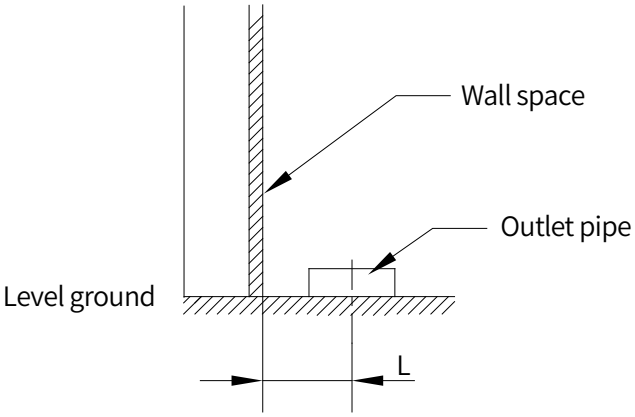
LAFEME

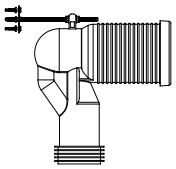
Product installation

3. Open the lid and use a tool to remove the decorative screw caps (A new pair is in the spare part box).
   Use screwdriver to undo the screws.
   Take out the electronic seat and cover and put them in a clean place.



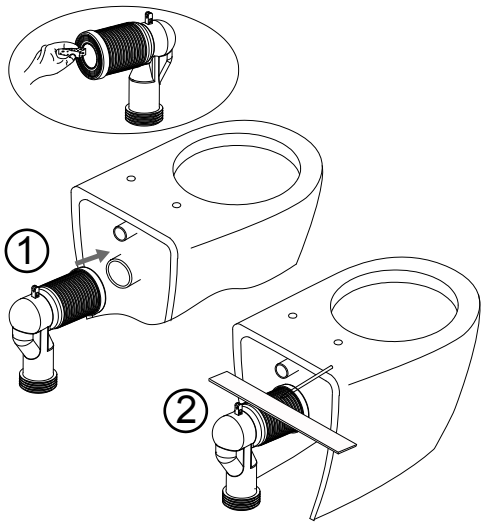
4. Take out the drain pipe fitting group, and select the appropriate drain pipe fitting according to the actual pit distance L of the drain pipe.



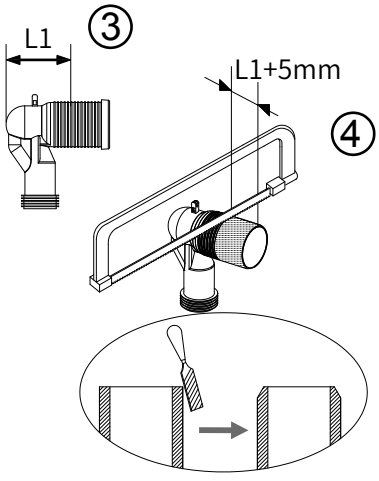


T3113
(L=95-115)

5. Match the length of the sewage pipe with the ceramic, and cut the excess pipe length.



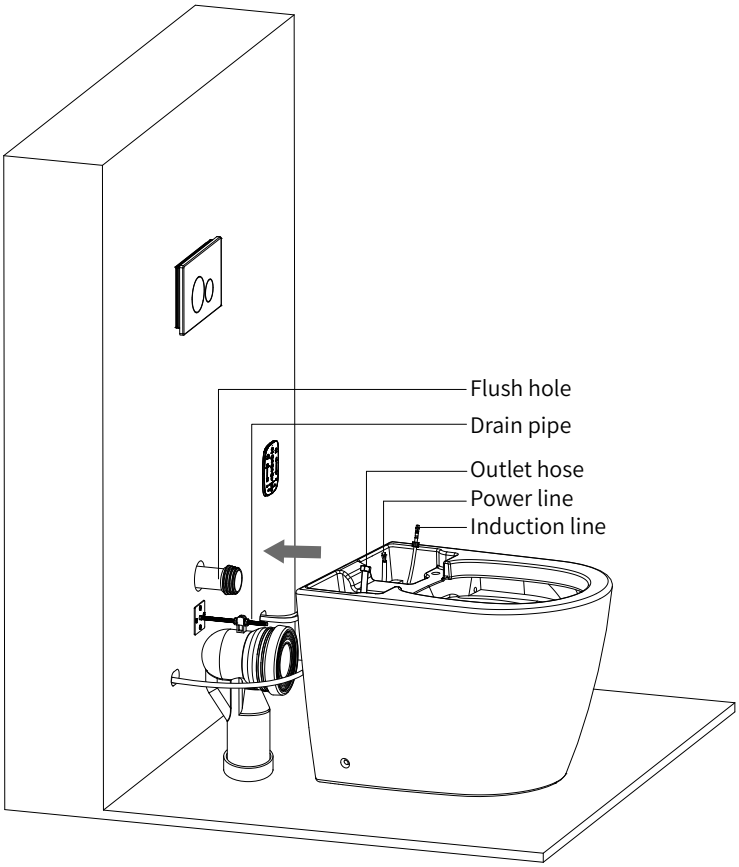
Insert the sealing ring end of the sewage pipe into the sewage outlet of the toilet (paint on all connecting ports Apply silicone oil), and mark the depth when there is a blocking feeling.

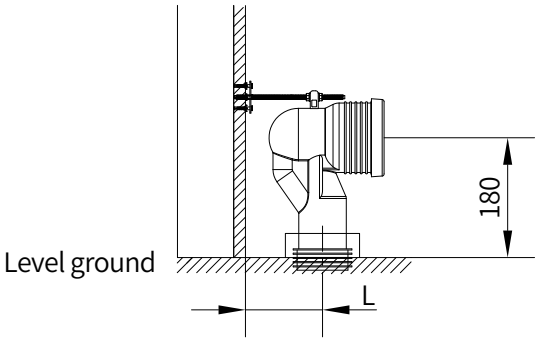


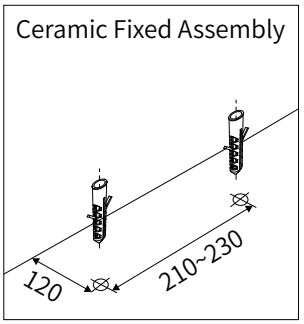
Cut the tube as shown in the figure, and bevel the cut mouth to facilitate guide installation.

Product installation

6. Install the drain pipe fitting group according to the size and height shown in the figure, and fix it with the wall with bolts

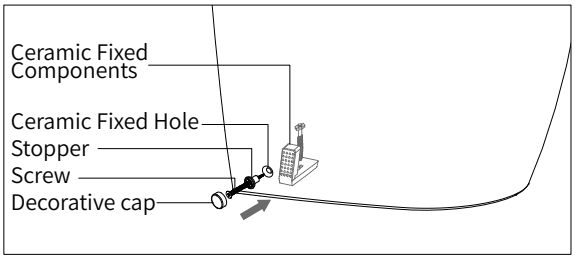




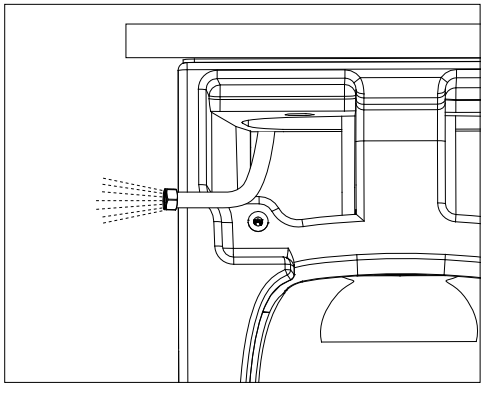


7. Firstly, punch two holes on the floor as shown above, and then fix the plastic expansion pipe to the floor.

The outlet pipe and power cord penetrate into the toilet from the back of the toilet. The flushing holes and drainage holes of the toilet are aligned to the corresponding position, and the toilet moves slowly to the arrow direction and sticks to the wall.

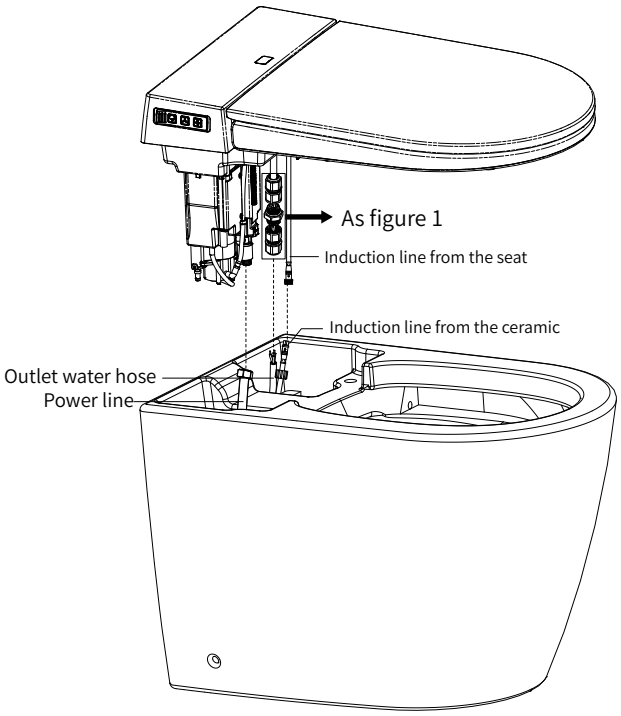


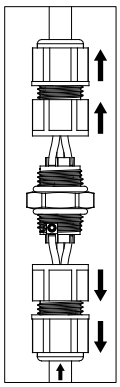
8. Put the ceramic fixed components into the ceramic O-shaped hole, lock the small screws and fixing plugs with the ceramic fixed components from the ceramic side, then lock the large fastening screws with the reserved holes on the ground from the ceramic side, and finally the decorative cap is put on the back sleeve.



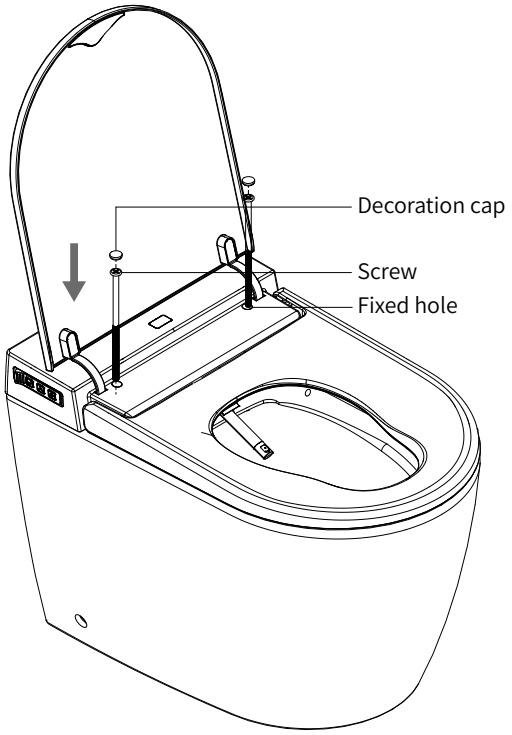
9. The toilet is fixed and then drained.

Product installation

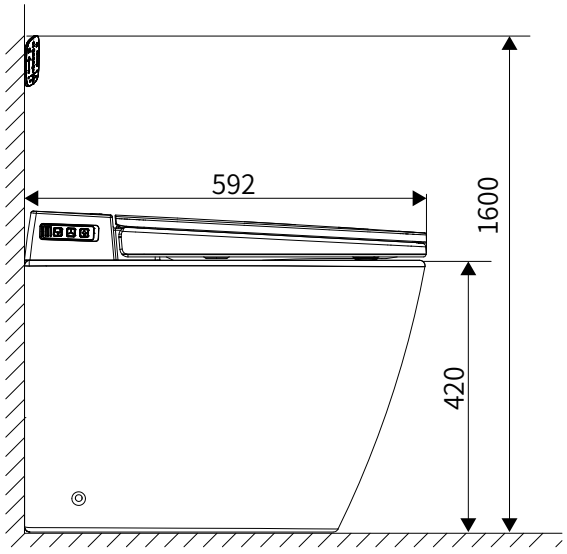



As figure 1

10. Connect outlet hose, power line and induction line from the ceramic to each part of the seat. Attach outlet water hose and power line to toilet as the arrow shows in figure 1.
Note: Users need to open the waterproof connector to check if correctly connect to the power line.

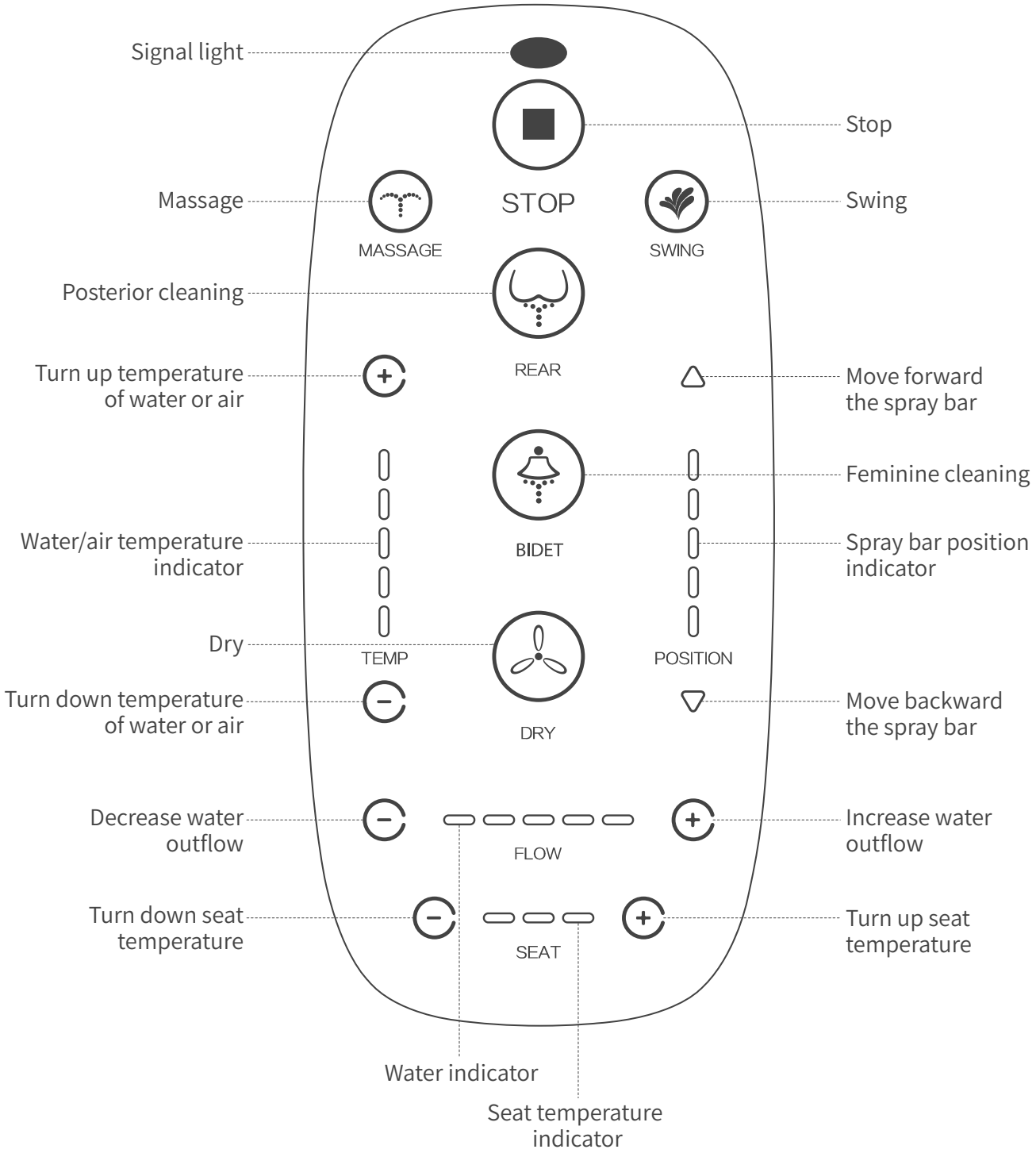


11. Put the toilet seats set on the top of ceramic body and then open the upper cover, fastened by fixing screws and then put the decorative caps.



12. When the installation is completed, the remote controller is installed in an appropriate position.

Instructions for remote control Installation



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Instructions for remote control Installation

Method 1: ① Install the remote controller fixing panel with a magnet on the remote control fixed seat and lock tightly

Note: Pay attention to the polarity when installing the magnet. Place the larger side of the magnet hole outside the fixed panel and enclose the small hole surface inside the fixed panel; as shown in the below figure 1;

② Put the double sided tape on the remote control fixed seat;

③ Clean dust, grease, water droplets on the walls and wipe them clean;

④ Press the remote control fixed seat with double sided tape on it, Press it evenly for 3 to 5 minutes. Attach the remote control fixed seat to the wall;

Note: The method is applicable to glazed tiles, glass and smooth wall.

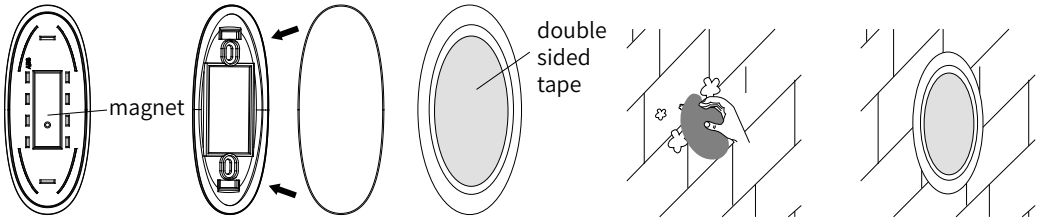


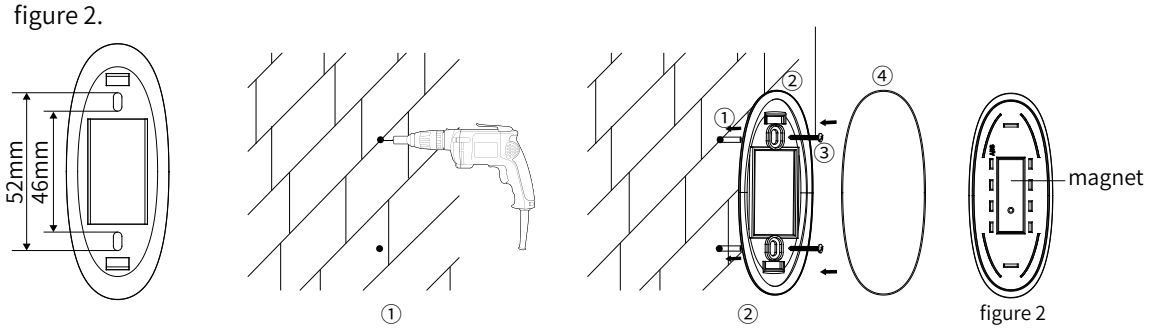
figure 1 ① ② ③ ④

Method 2: ① Drill 2 holes (hole spacing: 46mm-52mm) and 22mm depth on the wall by the drill with the diameter of 6mm.

Note: the position of the hole shall be satisfied when the person is seated on the seat cover. It is convenient for the user to catch the remote control;

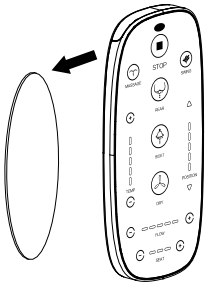
② After installing the expansion plug in the wall align the fixing hole of the remote controller at the expansion plug and then lock the bolt. Install the remote controller fixing panel with a magnet on the remote control fixed seat and lock tightly

Note: pay attention to the polarity when installing the magnet. Place the larger side of the magnet hole outside the fixed panel and enclose the small hole surface inside the fixed panel; as shown in the below figure 2.



① ② figure 2

Put the remote controller on the fixed base after installing the battery, and the remote controller can automatically absorb on the fixed base.

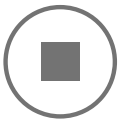


Note: ※ Please place the remote on the fixed place if not use. (To avoid the remote falling down)

※ It may cause damage if the remote controller falls down.

※ Please do not spill water on the remote control or drop into the water, or it may cause damage.

Instruction



Stop

※ Press the button, all functions off.

Posterior cleaning

※ Press the button, rear function on after sounded, auto off after 2 mins or off by pressing the stop button.

※ Function will stop immediately if user leaves.

Feminine cleaning

※ Press the button, bidet function on after sounded, auto off after 2 mins or off by pressing the stop button.

※ Function will stop immediately if user leaves.

Dry

※ Press the button, dry function on after sounded, auto off after 2 mins or off by pressing the stop button.

※ Function will stop immediately if user leaves.

Massage

※ Under posterior/feminine cleaning mode, per press the massage button, the working mode can be changed and setting;

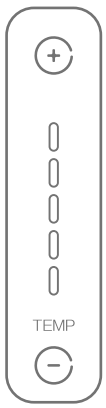
※ Interval massage mode: nozzle will expel the water to clean under different water gage;

※ Powerful massage mode: nozzle will expel the water to clean under increase water gage;

Massage working mode:
No massage-Interval massage- Powerful massage- No massage is a circulate

Swing

※ Under posterior/feminine cleaning mode, press swing button, start to move cleaning mode, nozzle moving cleaning back and forth, press swing button again, stop move cleaning, waiting the posterior/feminine cleaning mode stop or press stop button to stop work.

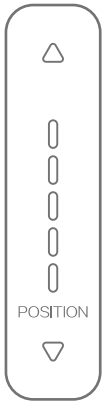


Water temperature setting

※Under rear mode or bidet mode, the initial setting is 3, press plus button will increase the water temperature, press minus button will decrease the water temperature.
Total 5 settings, and corresponding indicator will on under different setting.

Air temperature setting

※Under dry mode, the initial setting is 3, press plus button will increase the air temperature, press minus button will decrease the air temperature.
Total 5 settings, and corresponding indicator will on under different setting.



Spray position adjusting

※Under Posterior and feminine mode, the initial setting is 3, press plus button will forward the spray position, press minus button will backward the spray position.
Total 5 settings, and corresponding indicator will on under different setting.

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Flow adjusting

※Under rear mode or bidet mode, press plus button will increase the water flow, press minus button will decrease the water flow. Total 5 settings, and corresponding indicator will on under different setting.

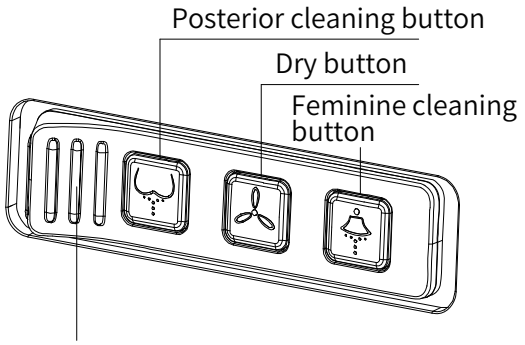
Seat temperature adjusting

※Seat heated after seated, press plus button will increase seat temperature, press minus button will decrease seat temperature. Total 4 settings(including seat temp. off choice), and corresponding indicator will on under different settings.

※Tips:

When you sit for a long time, please adjust the seat temp to ambient or low temp; After a while, the toilet itself also will auto reduce the temp to prevent users' low temp scald; After leaving the seat, the flushing function will auto on.

Side push button instruction



※To activate or stop the beep sound:

In the non-seated state, push the side button back for more than 5 seconds to activate or stop the beep.

Posterior & Feminine cleaning function show:

Function 1: Press posterior/feminine cleaning button to start clean hip/women's private parts.

Function 2: Under posterior/feminine cleaning mode, press relevant button again to stop cleaning.

Function 3: Hold down posterior/feminine cleaning button to be run below mode:

Posterior/feminine cleaning→ massage cleaning→dry→stop

※Remark: Users can turn on/off the night light function when not seating on the toilet.

Dry function show:

Function 1: Press the dry button to start drying the moist parts with warm air.

Function 2: Under dry mode, press the dry button to stop drying.

Push button function show:

Function 1: Under posterior/feminine cleaning mode, push forward the side button to adjust the position of the nozzle ;(default setting is 3, total 5 settings)

Function 2: Under posterior/feminine cleaning mode, push forward the side button to adjust volume of water;(default setting is 3, total 5 settings)

※Remark: The way to switch the above two functions is to hold the dry button more than 2 seconds, the function switch successfully after it sounded "Di".

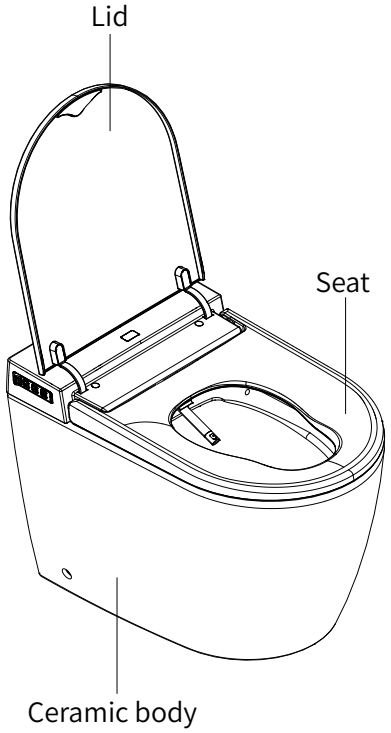
Function 3: Under the dry mode, push forward the side button to adjust temperature; (default setting is 3, total 5 settings)

Function 4: Auto flush function is on by default. You can turn it off by pressing "dry" on the push button for 5 sec., after a beep sound, auto flush will be off.

Cleaning

Lid and seat cleaning

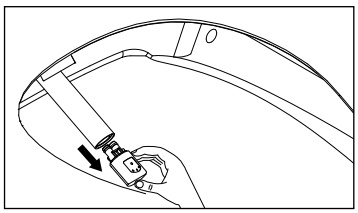
1. Turn off the power and water inlet valves.
2. Wipe the lid and seats by sponge or smooth cloth with soap or mild detergent.
3. Turn on the power and water inlet valves



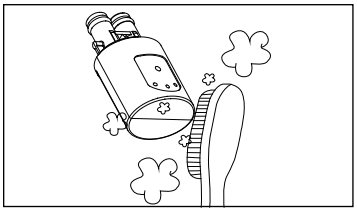
Ceramic body cleaning

1. Cut the power supply plug off.
2. Clean the ceramic body by toilet brush with toilet detergent.
3. Plug in and press the flush button to wash away the toilet detergent.

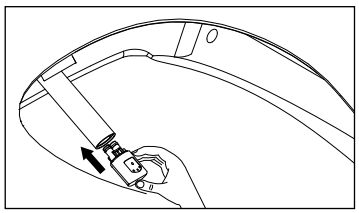
Nozzle cleaning



① Press the posterior-cleaning button & bidet button after 2 seconds to make the nozzle extends out of the machine, then remove the nozzle.



② Wipe the nozzle and spray rod by the toothbrush, sponge, or smooth cloth with soap or mild detergent.



③ After installing the nozzle, press the stop button or press the posterior cleaning button & bidet button after 2 seconds, the nozzle will be automatic retraction into the machine.

WARM PROMPT

※ Please do not immerse or flush the product with water at the risk of electric shock or product damage.

※ Please do not use hydrogen chloride cleaning agent, diluent, pesticides and other non-neutral detergent to clean the product, and do not use sandpaper or rough cloth to scrub it

Common troubles and shooting

The product out of work	Whether the power supply is plugged in or the leakage protector is disconnected	Switch the power supply
No response when press the button of posterior cleaning & feminine cleaning & drying	No water outflow from nozzle or the water yield is very low.	Please press the stop button and wait for the water supply to reactivate.
		Please open the water-inflow valve if it is closed.
	The continuous use more than one hour will activite safety sensor	For security's sake, please stand up and sit down again.
	The sensor is insensible that someone sit on.	Please sit down in a correct position.
Self cleaning mode in the nozzle	The nozzle will stretch out to proceed self-cleaning after pressing the button of posterior cleaning or feminine cleaning.	It's a common phenomenon and just need to wait for several seconds.
The nozzle stops cleaning suddenly when it's on work	The nozzle stops spraying after cleaning for a period of time, then reactivates after 120 seconds.	It's a common phenomenon for safety purpose.
The nozzle stops cleaning suddenly	If the user moves too fast or leaves the seat, the seat sensor cannot detect in a short time.	Sit back on the seat sensor detection position, then start the relevant button.
Low water pressure when posterior cleaning or feminine cleaning	The water-inflow hose may be leaking	Call the installer to check the hose and tighten it.
Deodorization effect is not obvious	The seat sensor is insensible and no deodorization voice	Sit back on the seat sensor detection position.
	Activated carbon filter block or spacer may be blocked	Remove the deodorizing window to clean or replace the activated carbon filter.
Deodorant function continues to work after user leaves	The deodorant function will be continue to work for 20 seconds in order to remove the residual odor after the user leaves.	It's a common phenomenon for safety purpose.

Trouble shooting and alarm maintenance

Phenomenon	Reasons	Measures
If the power light glitters 1 time as it lights for 2 seconds	It can be detected that inlet water temperature sensor is faulted or broken circuit	You should cut off the power supply immediately and stop using the product, then contact the local dealer or call service hotline.
If the power light glitters 2 times as it lights for 2 seconds	It can be detected that outlet water temperature sensor is faulted or broken circuit	
If the power light glitters 3 times as it lights for 2 seconds	It can be detected that air temperature sensor is faulted or broken circuit	
If the power light glitters 4 times as it lights for 2 seconds	It can be detected that the seat temperature sensor is faulted or broken circuit	
If the power light glitters 7 times as it lights for 2 seconds	It can be detected that the dryer fan is faulted	

※WARM PROMPT

If you are in trouble with your smart toilet, please read the above trouble shooting and repair the product according to the instruction of the solution. If the problem is not in the common troubleshooting, please contact the professionals, dealers, or call the national unified service hotline to ask for help.

Please note that there will be no any notification if any changes to this product and also accessories. There may be difference between contents and material objects, please subject to the latter one.

Maintenance Service Sheet

Appendix 1:

Product model		Manufacture number	
The selling		Purchase	
Province City		Dealer (signature):	
Repair content			

Maintain regulation:

1. Maintenance is provided when you use it properly in accordance with instructions and under warranty.
2. Please contact the dealer or the company if the fault occurs under warranty.
3. Although during the warranty period, the following situations need to be repaired for extra charge:
   ① Faults or damages caused by the improper operation, repair or installation.
   ② Faults or damages caused by forced movement after the product is installed.
   ③ Faults or damages caused by natural disasters (earthquakes, fires, floods, lightning strikes and other natural disasters) or corrosive liquids or abnormal voltage.
   ④ Faults or damages caused by other approaches which are not for domestic use.
   ⑤ Fail to provide the maintenance-service sheet or proof of purchase.
4. This maintenance-service sheet is unrepeatable, please take care of it.

client stub

Cut-line

Appendix 2:

Client	Name			
	Address			
Product model			Manufacture	
The selling store			Purchase date	
Executive standard			Warranty period	Within two years from the purchase date

Maintenance record

Cut-line

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