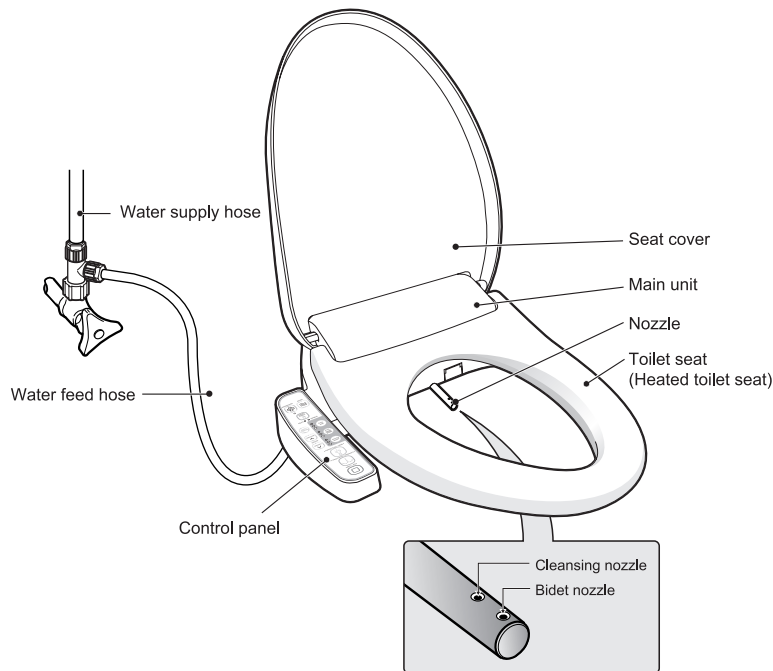
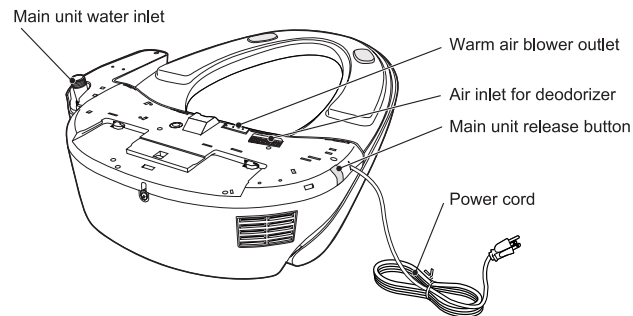


#### ● Name of components

##### Front side of main unit













##### Rear side of main unit



#### Accessories

##### Items required for installation

 Mounting bolt  Bolt grommet  Washer  Nut <b>Mounting bolt set 1set</b>	 <b>Mounting plate 2pcs</b>  <b>Mounting plate guide 1pc</b>	 <b>Water tank hose 0.35m 1pc (includes gasket)</b>	 <b>Water feed hose 0.5m 1pc (includes gasket)</b>	 <b>T-connector 1pc Gasket 1pc</b>  <b>Water filter 1pc</b>
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# Safety Instructions

• These instructions are intended to ensure the safety of users and to prevent property damage. • Please read the contents carefully and use the product correctly.

## WARNING

If the instruction is not followed, it may lead to death or injury of the person who failed to follow it.

## CAUTION

If the instruction is not followed, it may lead to injury and/or property damage.

## Acts prohibited

Users are required not to do any acts under this sign.

## Forced instruction

Users are required to strictly follow the instructions with this marking.

## Exemption from liability

- Manufacturer takes no responsibility for any damages resulting from natural disasters such as earthquakes, lightning and wind damage and flooding, fires not caused by the manufacturer or the bidet product covered by this manual, other accidents, consumer mistakes and/or misuse and abuse of the product or the use of the product under abnormal condition.
- Manufacturer takes no responsibility for any incidental damages resulting from the use of the product or inability to use the product (lost profits or suspension of business, etc.).
- Manufacturer takes no responsibility for any damages resulting from the failure to observe the contents contained in this manual.

## Safety warning

### WARNING

- Never connect to electrical outlet for any product which has not been installed to toilet bowl and to which water supply hose has not been connected.



- It may lead to a fire or malfunction.

- Solely use an electrical outlet of AC120V with rated current of 15A or higher.



- This product is for 120V only.
- There is a risk of heat generation or fire outbreak.
- Make sure that the power plug is securely connected to the outlet.



Never connect the power plug of other product in the toilet such as ventilator or any electrical heater to the outlet to which bidet power plug is connected.

- Never try to use a malfunctioning product as is.
- This product is only intended to be used in toilet room and should not be used for any other purpose.



- If a malfunctioning product is used as is, it may lead to a fire, electric shock or water leakage. Please make a service call to A/S center before using it.

- Never place the product in water.



- It may lead to a malfunction or electric shock.

- For water supply, use city water only. Never connect industrial water or recycled water supply to the product.



- Otherwise, it may lead to skin irritation, skin disorder and cystitis. Furthermore, it may also cause a malfunctioning of the product.

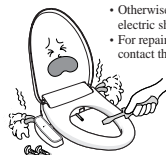
- Never use damaged power cord, plug or loose electrical outlet.



- In such cases, contact the customer service center for a replacement or repair. Otherwise, it may result in a fire or electric shock.



Never disassemble, modify or repair the product on your own. Please be careful so that no foreign materials may get into the product.



- Otherwise, it may lead to a fire, electric shock or injury.
- For repair of the product, please contact the customer service center.



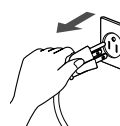
Use AC120V/60Hz electrical outlet which is properly grounded. Ground must be connected to prevent electric leakage or electric shock.



- If not properly grounded, it may result in a malfunction and electric shock.
- If your electrical outlet is not grounded, contact a utility company or electric service company in your area.



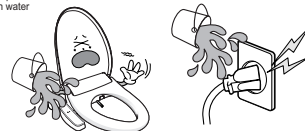
Be sure to disconnect the power plug from the electrical outlet for safety when cleaning the product or removing the product from toilet bowl.



- Otherwise, it may lead to a malfunction and electric shock.



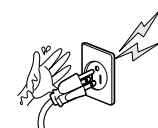
Never water the main unit or power plug. Never place the product in the place where a lot of moisture exists.



- Otherwise, it may result in a fire or electric shock. (Warranty service is not available if a malfunction has been caused due to the failure to follow this instruction.)



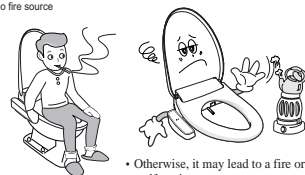
Never touch the power plug with wet hands.



- If wet hands are used to insert or disconnect power plug to/from electric outlet, an electric shock or injury may be caused.



Never place, or throw into, lit cigarette or other fire source close to the product.



- Otherwise, it may lead to a fire or malfunction.



Keep the power plug dust-free by removing the dust using a dry cloth.



Make sure that a child would not put his/her hands or other objects into nozzle or warm air outlet.



- It may lead to burn.
- It may lead to a fire or electric shock.
- It may lead to a malfunctioning of the product.

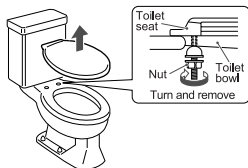
## Before installation

### 1 Remove the existing toilet seat.

- Remove the seat by untightening the nut using a tool.

#### Note

- Keep the removed seat, seat cover, nuts, etc. in the safe place for future use just in case.

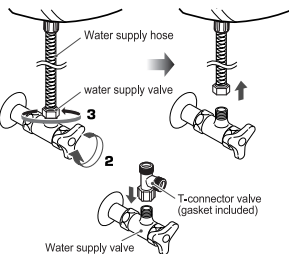


### 2 Close the water supply valve.

- Rotate the water supply valve to the right hand side to close so that water may not come out.

### 3 Separate the water tank hose.

- Rotate the water tank hose to the left hand side to separate.



### 4 Connect the T-connector.

- Install the T-connector to the water supply valve (where the water tank hose was removed).

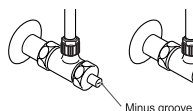


- If excessive force is applied, it may lead to a risk of breakage.

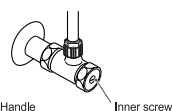
#### Note

- Check the water supply valve at the toilet room.
- Additional optional accessories may be required in addition to the standard accessories.
- If required, contact the shop where the product was purchased.

#### ■ Regular type of water supply valve



#### ■ Inner screwed water supply valve



#### ■ Specialized work is required for special type of water pipe, flush valve, etc.

- Contact the professional plumber.
- The water supply valve not to be used will be kept in a safe place for future use.

### 5 Connect the water tank hose.



- Water leakage may occur if a gasket is not used in the connections.
- Hold the T-connector firmly when connecting the hose so the T-connector does not rotate.

#### Note

- For the water tank hose, the existing hose may be used as is.
- It is an optional item that may be purchased depending on installation environment and consumer needs.



## How to install

### 1 Install mounting plate guide to toilet bowl.

- Remove bolt grommets, washers and nuts from the mounting bolts and insert the mounting bolts through the mounting plate.

- Make sure that the difference in flatness of mounting bolt catches the mounting plate guide.

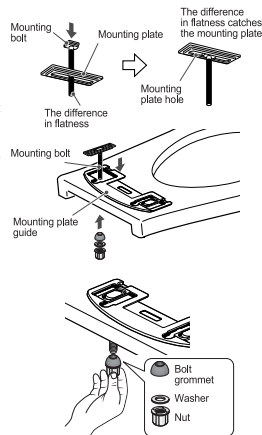
- Insert mounting bolts through the toilet bowl holes while aligning the bolts with the holes. Then install the grommets, washers, and nuts, in that order.

#### Note

- Threaded bolts may loosen with time.
- If loose, retighten the nuts.



- When attaching and fixing the main unit, make sure that the center of toilet bowl is aligned to the center of the main unit.
- Use tools, etc. to firmly tighten.



### 2 Install the main unit.

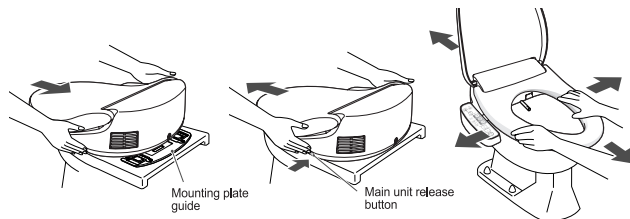
- When attaching the bidet to the toilet bowl

- Push the bidet all the way until click sound is heard while holding the bidet with both hands.

- Move the bidet back and forth and right to left to check if it will not come off easily.

- When disconnecting the bidet from toilet bowl.

- Bidet can be separated easily.
- Pull the bidet while pressing the main unit release button located on the right hand side of the main unit.



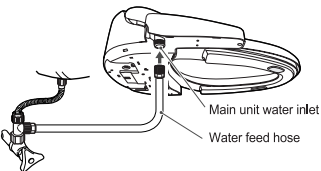
### 3 Connect the water feed hose.

#### Connect the water feed hose to the main unit.

- Check before connecting the hose to make sure there is a gasket in the hose joint.
- Water leakage may occur if the gasket is not used.
- Before attaching the water feed hose, check to make sure the filtering mesh is attached to the main unit water inlet.



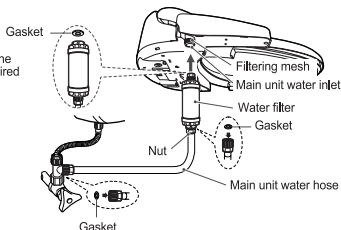
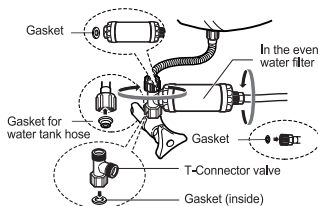
Caution



### How to install a water filter

[If the water filter is installed in a wide open space]

[If the water filter is installed in a narrow space]



### Check product operation

#### Check the operation of the product in the following order.

##### 1. Insert the power plug into electrical outlet.

- All lamps of control panel are blinking while nozzle is fully extended once and retracted (initial operation).



Caution When inserting power plug, the product remains fully installed.

If the plug is inserted with the product is erected, placed on the floor or tilted, malfunctioning may be caused.

##### 2. Wait until automatic water supply is completed.

- Automatic water supply lasts for 10 seconds in which time "water pressure lamps" blinks one by one.
- Once the automatic water supply is completed, the product setting is as follows: water pressure medium level, warm water off, warm seat off

##### 3. As seen to the right side, operate the sitting sensor by pressing down the toilet seat next to the control part.

- Once the sitting is detected, clean nozzle for about 5 seconds.

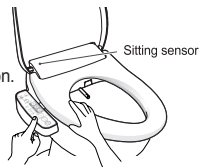
##### 4. Check "cleansing function" operation by pressing "cleansing" button.



Caution Use hands or container, etc. when nozzle is extended so that water may not splash around.

##### 5. After confirming that water came out, stop the operation by pressing "stop" button.

- After nozzle is automatically cleaned three times, it is retracted.



### Safety precautions



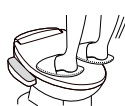
#### CAUTION



When the product is used by any person falling under the following categories, he/she should be taken care of by his or her guardian so that he/she may not tumble down when taking a seat or standing from there on his/her own. Child or elderly, any other person who is unable to take a seat or stand from there on his/her own.



Never step on and stand on the seat or seat cover or rest excessively against the seat cover. Especially never be seated on the cover.



- Never step on and stand on the main unit such as the seat or seat cover.
- The product may be broken or it may cause a malfunction.
- It may also result in deformation and injury when the product is broken.



Pay attention to low temperature burn.

- Low temperature burn may occur even when the skin remains in contact at relatively low temperature for a long time.
- When the product is used by a child, elderly, patient of a disorder or any person who has difficulty in physical activities, make sure that the water temperature, seat temperature are set to LOW.
- When the product is used by a healthy person at high temperature, make sure that the temperature is reset to LOW assuming that it may be used next time by a child, elderly or a patient of disorder.



Never try to close the seat or seat cover forcibly.



- It may lead to a malfunctioning of the product.



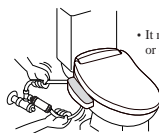
Make sure that the warm air outlet and nozzle part would not be contaminated with urine.



- It may lead to bad smell and malfunctioning.
- If the nozzle spray hole is blocked, remove the foreign material with a soft tooth brush, etc.



Never try to pull or bend the hose of the connecting pipe forcibly.



- It may lead to a malfunctioning or electric shock.



Product will have to be installed in the place where no direct sun ray can reach.



- Otherwise, it may lead to discoloration or fading of the original exterior color.

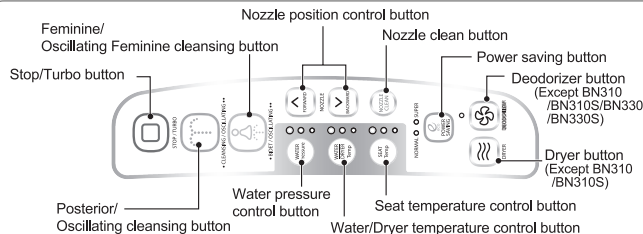


When cleaning the product, never use the detergent (detergent for gas range, sink, toilet bowl, toilet room, acidic detergent, benzene, thinner, cleanser or stain remover, etc.) or spray deodorizer.



- Otherwise, it may result in discoloration of exterior color, product breakage or electrical safety problems.

## How to use the product



### Stop

- Press (Stop) button, when you want to stop the operation while using the function.
  - Cleansing, bidet, turbo, dryer or nozzle clean function can be stopped.

### Turbo

- Upon sitting on the toilet seat, press (Turbo) button in advance.
  - Warm cleansing water is sprayed and touches the skin as if it produces a massaging effect while nozzle moves back and forth.

### Posterior/Feminine Cleansing

- Press either (Cleansing) or (Bidet) button while the seat is being occupied.
  - "Cleansing" or "Bidet" function operation will start. The cleansing and bidet operation will last for about 90 seconds.
  - Water temperature and/or seat temperature may be adjusted while cleansing or bidet cleansing is used.

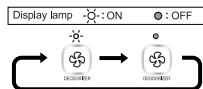
### Oscillating cleansing / Oscillating bidet cleansing

- Press (Cleansing) or (Bidet) button one more time while cleansing or bidet cleansing is operated so that oscillating function may be activated.
  - Nozzle moves back and forth to provide cleansing of wider area.
  - If "cleansing" or "bidet" button is pressed again while oscillating cleansing or oscillating bidet is being operated, the oscillating function will stop.



### Deodorizer (Except BN310/ BN310S/ BN330/ BN330S)

- Press (Deodorizer) button
  - When the seat is occupied, setting sensor is activated, operating fan and causing deodorizer to start.
  - Each time button is pressed, setting/cancellation alternates.
  - When sitting sensor is deactivated, deodorizer stops after about one minute.
  - If deodorizer button is pressed while deodorizer is operated, deodorizer lamp will be OFF, operation stops and setting is cancelled.



#### Note

- Deodorizer time is 15 minutes as a maximum, which means that the deodorizer stops in 15 minutes even if sitting sensor remains activated for more than 15 minutes.
- Deodorizer filter is inside the main unit.

### Dryer (Except BN310/BN310S)

- Press (Dryer) button.
  - For more effective drying operation, remove moisture with tissue, etc. prior to starting the drying operation.
  - The dryer function is operated for about 5 minutes and stops automatically.

### Nozzle position control

- Press button while cleansing or bidet cleansing is operated.
  - Initially nozzle is positioned in center location, and it moves in four steps forward/backward during cleansing and also it moves in three steps forward/backward during bidet cleansing.

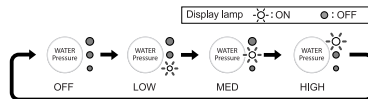


#### Note

- Nozzle position used for the last time is not automatically saved in the product main unit.
- Nozzle returns to initial position (center) once cleansing or bidet cleansing operation is complete.
- Therefore, you need to reset the nozzle position as you wish, each time you use the product.

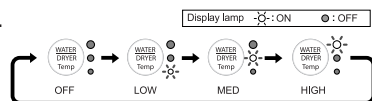
### Water pressure control

- Press (Water Pressure) button.
  - The water pressure level used the last time in cleansing and bidet operation will be saved in the main unit. The water pressure in use of the "cleansing" function is shown in the water pressure display of the product not in use.
  - If the water pressure is set to LOW in the area of low water pressure, the cleansing water may not come out smoothly. In that case, set the water pressure level to HIGH.



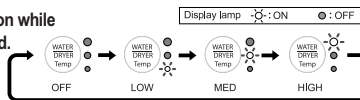
### Water temperature control

- Press (Water Temp) button.
  - Temperature setting is changed each time the button is pressed.



### Dryer temperature control (Except BN310/ BN310S)

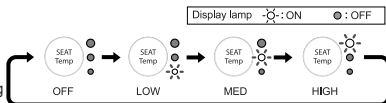
- Press (Water/Dryer Temp) button while (Dryer) function is being operated.
  - Each time the button is pressed, setting temperature is changed.
  - Once the drying operation stopped, dryer temperature adjustment cannot be done. Temperature adjustment must be done after the dryer button has been pressed.
  - If dryer is not being operated, water temperature control is adjustable.



## Seat temperature control

### ■ Press button.

- Each time the seat button is pressed, temperature setting is changed.
- The seat temperature may vary depending on ambient temperature.
- If the seat is used for a long time at temperature set to HIGH, it may result in low temperature burn, and therefore, the temperature will drop to the safe level 10 minutes after the seat occupation.



## Temperature setting lock (Administrator mode)

### ※ What is temperature setting lock function?

- This is the administrator mode function in which a user may not arbitrarily adjust the temperature with the temperatures of water, dryer and seat set to OFF.

### ■ Setting and cancellation of water/dryer temperature setting lock: Press and hold (Water/Dryer temp) button for more than 3 seconds.

- Setting: Water/dryer lamp will go off and the water/dryer button will not operate thereafter.
- Cancellation: Water/dryer temperatures will be set to MED.

### ■ Seat temperature setting lock setting and cancellation: Press and hold the (Seat Temp) button for more than 3 seconds.

- Setting: Seat lamp will go off and the seat button will not operate thereafter.
- Cancellation: Seat temperature will be set to MED.

### ■ The setting and cancellation of the temperature setting lock are only possible when the sitting sensor does not work (when the seat is not occupied).

## Power saving

### ■ Press (Power saving) button.

- Pressing the button once will set Normal power saving. Pressing the button the second time will set Super power saving. Pressing the button the third time will cancel the power saving mode.

### ■ Normal power saving

- When the product is not in use, water temperature (25°C) and seat temperature (28°C) are set respectively, regardless of the settings. (Electric power is saved through a shorter application time of electric current unless water temperature and seat temperature are set to OFF.)
- If the sitting sensor starts to work after the seat occupation, water heater and seat heater will operate at the temperature set.
- If the sitting sensor does not work after the user stands from the seat, the heaters will operate at 25°C and 28°C respectively for water and seat regardless of the temperatures set.

### ■ Super power saving

- When the product is not in use, electric power is cut off to water heater and seat heater regardless of the settings (Lo, Me, Hi).
- If super power saving mode is set, any and all lamps except for "power saving" lamp will go off.
- If the sitting sensor starts to work after the seat occupation, water heater and seat heater will operate at the temperature set. At this time, setting display lamp other than "power saving" lamp will come on.
- If the sitting sensor does not work after the user stands from the seat, the heaters will not get any electric power regardless of the temperature set and any and all lamps except for "power saving" lamp will go off.

## Automatic nozzle cleaning

### ■ Nozzle is self-cleaned automatically when it returns to the original position after operation of cleansing, bidet or turbo function is completed.

- If a function in which cleansing water is sprayed is finished, the nozzle is automatically cleaned while it moves back and forth three times for cleanliness.

## Forced ON of sitting sensor (Administrator mode)

### ※ The sitting sensor can be forcefully activated when the sensor is disabled due to incompatibility in size between toilet bowl and the bidet product.

- If nozzle position "forward" button is pressed and held for about 3 seconds, the sensor is ON and power saving lamp is ON.
- If the sitting sensor is forcefully ON, functions such as cleansing, bidet, dryer can be operated regardless of detection of sitting.
- If the sitting sensor is forcefully ON, power saving is disabled.

#### Note

- If cleansing button, etc. is pressed while the seat is not occupied with the sitting sensor forcefully ON, cleansing water may come out of nozzle and the floor may get wet.

## Nozzle clean

### 1 Open seat cover and toilet seat.

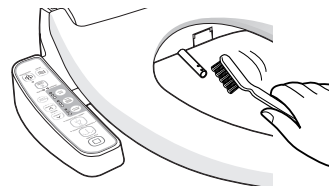
### 2 Press button on the main unit control button.

- Nozzle moves back and forth 3 times for self-cleaning and stops moving under fully extended condition.




### 3 Clean the nozzle while it is fully extended.

- Clean the nozzle softly with soft sponge, brush, cloth that gets wet with water.



### 4 Press button on the main unit control panel or remote controller (Nozzle is automatically retracted after two minutes in nozzle cleaning condition).

- After nozzle cleansing, the nozzle is going into inside when you press  (Stop) button.
- Nozzle may be experiencing a malfunction if the stop button is not pressed and the nozzle is pushed in forcibly.

#### Note

- After nozzle goes in to inside, there might be some noise but it is not a malfunctioning.

### 5 After confirming that the nozzle has been retracted, close seat and seat cover slowly.

## Before making a call for product service

Condition	Things to be checked
Cleansing water does not come out	<ul style="list-style-type: none"> <li>Check if water supply stopped.</li> <li>Check if water supply valve is fully closed.</li> <li>Check if filtering mesh is blocked.</li> </ul>
No function operated	<ul style="list-style-type: none"> <li>Check if power plug is connected to electrical outlet.</li> <li>Check if the lamp on the main unit control panel is OFF.</li> <li>If filter is blocked, operation is not possible due to no water supply.</li> <li>If the seat is not occupied, sitting sensor may not work properly and no function is operated.</li> </ul>
In the case of water leakage	<ul style="list-style-type: none"> <li>Recheck if pipe connection is correctly done.</li> <li>If water leaks from main unit, contact the shop where the product was purchased or service center.</li> </ul>
Water pressure too weak	<ul style="list-style-type: none"> <li>Check water pressure level lamp to see if the level is set to LOW.</li> <li>Check if there are foreign materials in the filtering mesh.</li> </ul>
Water, seat and dryer are not warm	<ul style="list-style-type: none"> <li>Check if temperature of water, seat and dryer is set to LOW.</li> <li>If seat is not warm, check if power saving mode is in operation.</li> <li>Check if temperature setting lock function is in operation.</li> </ul>
Nozzle not extended	<ul style="list-style-type: none"> <li>Check if the power plug is connected to electrical outlet.</li> <li>Contact service center if the nozzle is not extended when cleansing or bidet button is pressed.</li> </ul>
Cleansing water cold or lukewarm	<ul style="list-style-type: none"> <li>Set the water temperature to Medium or High.</li> <li>Check if water temperature setting is heater OFF.</li> </ul>
If the main unit is shaking	<ul style="list-style-type: none"> <li>Tighten the mounting bolt.</li> </ul>
If dryer stops in the middle (Except BN310/BN310S)	<ul style="list-style-type: none"> <li>The dryer function operation stops about 5 minutes later. Press the dryer button again.</li> </ul>

## Specifications

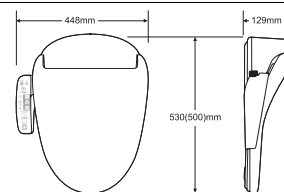
Model		BN310	BN330	BN350	BN310S	BN330S	BN350S
Power source		AC 120V, 60Hz					
Rated power consumption		Max 1,450W					
Water supply system	Type	Direct connection to tap water					
	Effective tap water pressure range	0.07~0.735MPa					
Warm water cleansing device	Cleansing (liter/min)	0.3~0.6L					
	Bidet cleansing (liter/min)	0.3~0.6L					
	Turbo (liter/min)	0.4~0.65L					
	Water pressure level	3 levels for each of cleansing or bidet cleansing(Low, Med, High)					
	Water temperature level	4 levels (Heater OFF, Low, Med, High)					
	Nozzle position control	8 positions for cleansing, 6 positions for bidet					
	Water heater	1,400W					
	Water tank capacity	About 0.03L					
Toilet seat heater	Safety device	Thermo s/w (prevention of overheating), Temperature fuse					
	Seat temperature control	4 levels (Heater OFF, Low, Med, High)					
	Seat heater	50W			45W		
Dry device	Safety device	Temperature fuse					
	Dryer device Dryer temperature control	—	4 levels (Heater OFF, Low, Med, High)		—	4 levels (Heater OFF, Low, Med, High)	
	Dryer heater	—	290W		—	290W	
	Air velocity	—	about 10m/s		—	about 10m/s	
Comfort features	Safety device	—	Temperature fuse, bimetal		—	Temperature fuse, bimetal	
	Deodorizer	—	Catalytic deodorizer		—	Catalytic deodorizer	
Additional safety device		Built in Circuit breaker					
Power saving mode		Normal, Super					
Length of power cord		about 1.0m					
Effective tap water temperature range		about 5℃~35℃ (Recommended 10℃~30℃)					

### Net weight

about 3.7kg

### Dimension

W : 448mm  
D : 530(500)mm  
H : 129mm





# Grounding Instruction

1. This product should be grounded. In the event of an electrical short circuit, grounding reduce the risk of electric shock by providing an escape wire for the electric current. This product is equipped with a cord having a grounding wire with a grounding plug. The plug must be plugged into an outlet that is properly installed and grounded.

**DANGER** - Improper use of the grounding plug can result in a risk of electric shock.

If repair or replacement of the cord or plug is necessary, do not connect the grounding wire to either flat blade terminal. The wire with insulation having an outer surface that is green with or without yellow stripes is the grounding wire.

Check with a qualified electrician or serviceman if the grounding instructions are not completely understood, or if in doubt as to whether the product is properly grounded.

2. This product is for use on a nominal 120 V circuit, and has a grounding plug that looks like the plug illustrated in sketch A in Figure 1. A temporary adapter, which looks like the adapter illustrated in sketches B and C, may be used to connect this plug to a 2-pole receptacle as shown in sketch B if a properly grounded outlet is no available. The temporary adapter should be used only until a properly grounded outlet (sketch A) can be installed by a qualified electrician. The green colored rigid ear, lug, and the like extending from the adapter must be connected to a permanent ground such as a properly grounded outlet box cover. Whenever the adapter is used, it must be held in place by the screw.
3. If it is necessary to use and extension cord, use only a three wire extension cord that has a three-blade grounding plug, and a three-slot receptacle that will accept the plug on the product. Replace or repair a damaged cord.
4. This product is factory equipped with a specific electronic cord and plug to permit connection to a proper electronic circuit. Make sure that the product is connected to an outlet having the same configuration as the plug. No adapter should be used with this product. Do not modify the plug provided - if it will not fit the outlet, have the proper outlet installed by a qualified electrician. If the product must be reconnected for use on a different type of electronic circuit, the reconnection should be made by qualified service personnel.

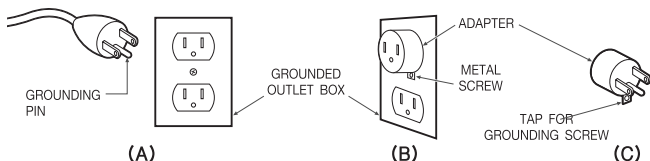


Figure 1.

# IMPORTANT SAFETY INSTRUCTIONS

When using electric appliances, especially when children are present, basic safety precautions should always be followed, including the following

## READ ALL INSTRUCTIONS BEFORE USING

**DANGER** - As with most electric appliances, electrical parts are electrically live even when switch is off.

To reduce the risk of death by electric shock:

1. Do not use while bathing
2. Do not place or store appliance when it can fall or be pulled into a tub or sink
3. Do not place in or drop into water or other liquid.
4. If an appliance falls into water, unplug it immediately. Do not reach into the water.

**WARNING** - To reduce the risk of burns, electrocution, fire or injury to persons

1. Close supervision is necessary when this appliance is used by, on, or near children or invalids.
2. Use this appliance only for its intended use as described in this manual. Do not use attachment not recommended by the manufacturer.
3. Never operate this appliance if it has a damaged cord or plug, if it is not working properly, or it has been dropped, damaged, or dropped into water. Return the appliance to a service center for examination and repair.
4. Keep the cord away from heated surfaces. Do not wrap the cord around the appliance.
5. Never block the air openings of the appliance or place it on a soft surface, such as a bed or couch, where the air openings may be blocked. Keep the air openings free of lint, hair, and the like.
6. Never use while sleeping
7. Never drop or insert any object into any opening or hose.
8. Do not use outdoors or operate where aerosol (spray) products are being used or where oxygen is being administered.
9. Do not use an extension cord with this appliance.
10. Use this appliance only for household use
11. Connect this product to a properly grounded outlet only. See Grounding Instructions.

## SAVE THESE INSTRUCTIONS