

Panasonic

Operating Instructions

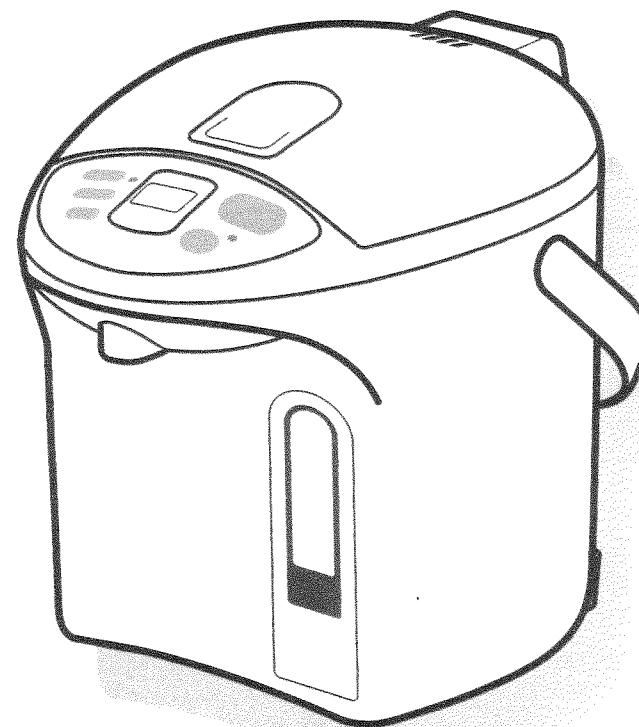
使用說明書

Electric Thermo Pot

電子保溫熱水瓶

NC-BH40P

NC-BH30P



Panasonic Home Appliances (Thailand) Co., Ltd.

Web Site : <http://www.panasonic.net/>

Thank you for purchasing the electric thermo pot, NC-BH40P / NC-BH30P.
Please read these instructions carefully before using this product and
save this manual for future use. This product is intended for household use only.

承蒙您購買 NC-BH40P / NC-BH30P 型號的保溫熱水瓶，衷心感謝。請仔細閱讀本使用說明書，
正確使用本產品。之後請妥善保管好，以便需要時閱讀。本商品只限家庭用。

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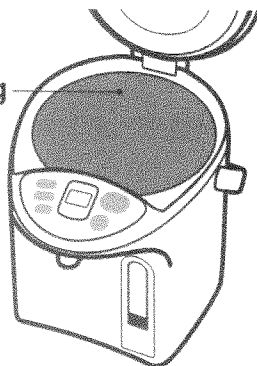
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Main Features

Tasty

•Boiling with the effects of charcoal coating

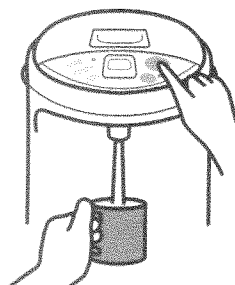
The inner container is fluoridated with floury charcoal, which brings the fine color, taste, and flavor of tea.



Convenient

•Electric dispense

(See "Pouring out" on P.11)



Economy use

•4 Timer selections

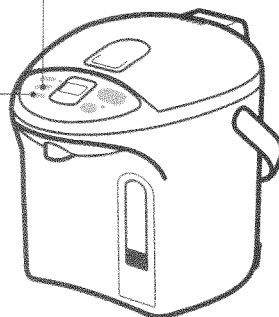
4 / 6 / 8 / 10 hour Timer can be selected.
(See "Setting the timer" on P.12)

•4 Keep-warm temperature selections

98 / 90 / 80 / 60 keep-warm temperature can be selected.
(See "Keep-warm function" on P.12)

•VIP Keep-warm

The heat insulator keeps hot water temperature, and that will be an economization on electricity.



Safety Precautions

Please observe these precautions fully

For your safety and in order to prevent the property damage and the danger to the users and others, please read the following instructions strictly.

■ The signals indicate harm and damage when the product is used wrongly.



WARNING

Indicating " it may cause severe injuries and death."



CAUTION

Indicating " the user may get injured or the product may cause the property damage."

■ The symbols indicate specified items that must be followed.



This symbol indicates prohibition.



This symbol indicates mandatory.



WARNING

To Prevent Burns



This appliance is not intended for use 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 concerning use of the appliance by a person responsible for their safety.

Children should be supervised to ensure that they do not play with the appliance.

Do not let the unit fall over. Do not lift, tilt or shake the unit or carry it by the lid.

Even when the dispense key is locked, hot water may leak through the dispensing spout and the steam vent, causing burns, if the unit falls over or is tilted.

Do not pour in water above the maximum water level indication line. If the appliance is overfilled, boiling water may be ejected.

Hot water can spill causing burns.

Do not close the lid by force.

Hot water can spill causing burns.

Do not boil anything other than water.

Do not heat tea bags, tea leaves, milk, alcohol or anything other than water which may cause it to spurt out hot liquid or steam and cause burns.

The water tube may also get clogged, the inner container may burn or corrode, and the fluororesin insulating coating may peel off.

Do not block the steam vent.

Hot water can overflow causing burns.

Do not throw away the remaining hot water while the lid is attached.

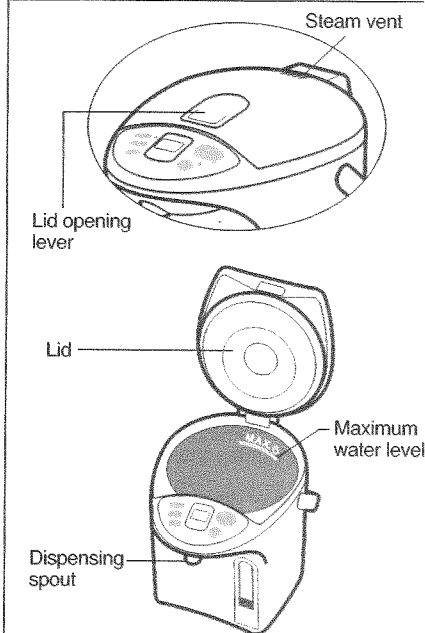
If the lid comes off, hot water may splash causing burns.

Do not touch the steam vent.

This may cause burns. Take special care to prevent infants from touching the steam vent.

Close the lid securely.

In case the unit topples overflow, hot water may spill out causing burns.



Safety Precautions

Please observe these precautions fully

⚠ WARNING

Power Cord



Never do anything that might cause damage to the cord, power plug or body plug, such as damage them, modify them, place hot objects near to them, bend them, twist them, stretch them, place heavy objects on them, or bundle them together. If the unit is used when damaged, electrical short circuit or fire may result.

- If the supply cord is damaged, it must be replaced by a special cord available from the manufacturer or its service agent.

Do not connect or disconnect the power plug or the body plug with wet hands.

This may result in electric shock.

Do not allow infants access to the body plug.

You must pay special attention to prevent infants from putting the body plug into their mouths. This may result in electric shock or injury.

Do not place small metal parts near the body plug.

This may result in electric shock, electrical short circuit or fire.



Make sure the power plug is correctly inserted into the wall outlet.

If the plug is inserted improperly it may cause electric shock or generate heat resulting in fire.

- Do not use a damaged plug or a connection in a loose outlet.

Clean dust from the power plug or the body plug regularly.

A build-up of dust on the plug will attract condensation, which could cause cable damage and the deterioration of insulation resulting in fire.

- Remove the plugs and clean them with a dry cloth.

Use a single outlet that matches the power rating of the unit.

Heat generated when plugging in multiple appliances into one outlet may result in fire.

During use



Do not immerse the unit in water or splash water over it.

- Do not supply water directly from the tap or place the unit in a sink where the bottom may get wet.
- Do not turn the unit upside down when the bottom is wet. It may cause a short circuit and may result in electric shock, and also if the water overflows the pot and it enters the electrical parts built into the main unit, it may cause malfunction.

Never disassemble, repair or modify the unit.

Any attempt to do so may cause the unit to operate abnormally and may result in fire or injury.

- If in need of repair (except for the replacement parts), please contact an authorized Service Center.

Do not use to store ice.

Condensation will occur, creating a potential source of electric shock and malfunction.

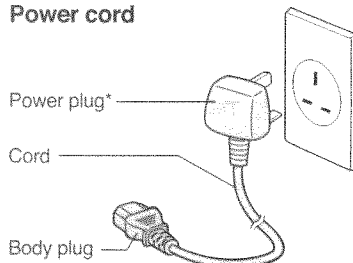
Power cord

Power plug*

Cord

Body plug

*The shape of plug differs according to region.



⚠ CAUTION

To Prevent Burns



Do not place the unit on unstable surfaces.

The appliance may topple over causing burns.

When opening or closing the lid, keep hands away from the steam.
Steam can cause burns.

Do not open the lid or dispense hot water while boiling.

Splashing hot water or steam may cause burns.

Do not rotate the unit while dispensing hot water.

Splashing hot water may cause burns.

Do not touch the hot parts of the unit during use or shortly after use.

This may cause burns.

When carrying the unit, do not touch the lid opening lever.

The lid may open causing burns and other injury.



Wait until the unit is cooled down before maintenance.

A hot appliance may cause burns.

- When disposing hot water, be careful not to get burned.

Power Cord



Only use the power cord designed specifically for the unit. Do not use a different cord and do not use this cord with any other device.

It may cause malfunction or fire.



When the unit is not in use, unplug the power plug from the wall outlet.

Deteriorating insulation may result in electric shock and / or fire.

When unplugging the unit, pull by the power plug - not the cord.

Electric shock and short circuit may result in fire.

During use



Do not use the unit on surfaces that can be affected by heat for a long time.

The unit may get discolored or break up.

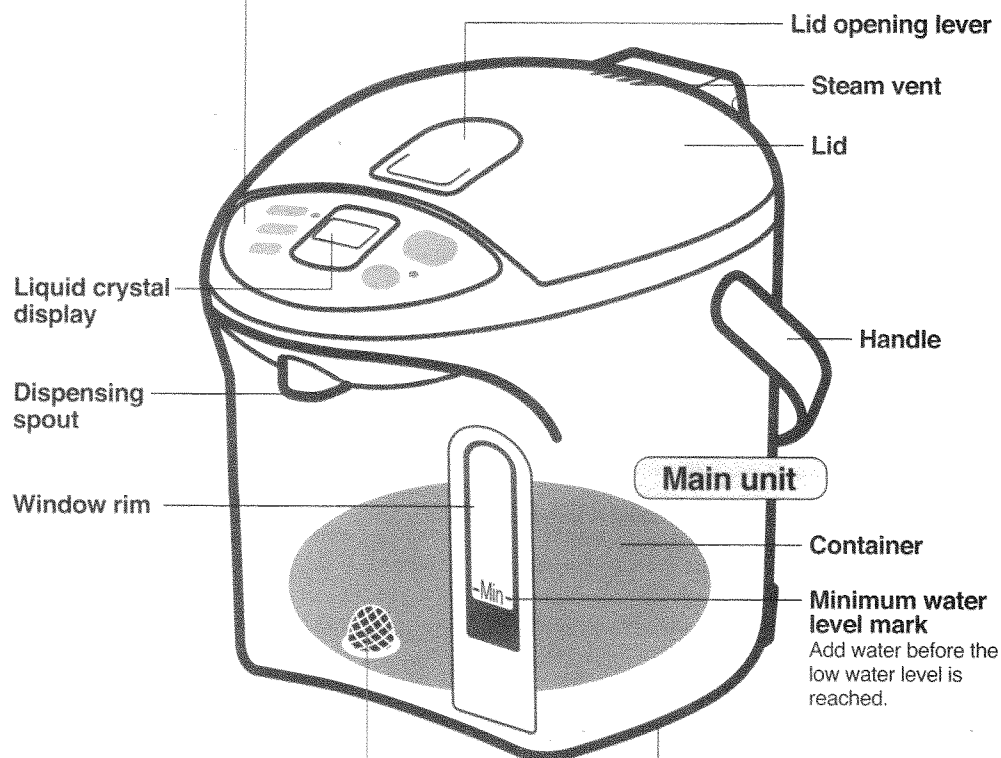
Do not place near walls or furniture.

Steam and heat could damage walls and furniture, causing a change in color and shape.

Part Names and Handling Instructions

Operation panel

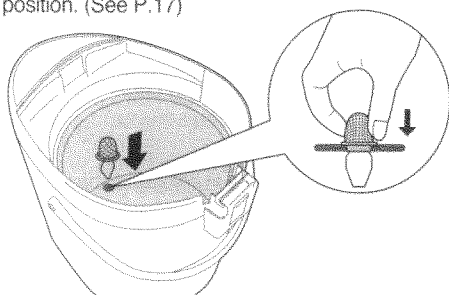
If the protective film is still covering the surface of the operation panel, peel it off before using the operation panel.



Mesh filter

(Replaceable part)

It may have come off from the bottom of the container. Push it completely into the correct position. (See P.17)



Rotating base (360 degrees)

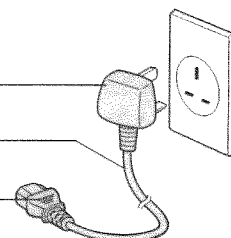
When rotating the pot, do not allow the cord to wind around the unit.

Power cord

Power plug*

Cord

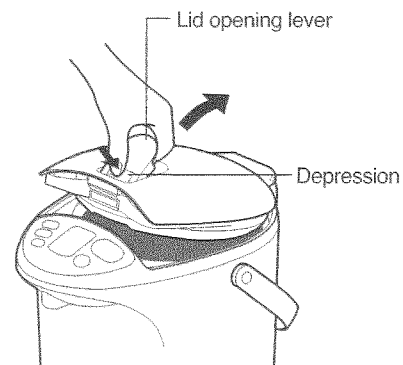
Body plug



*The shape of plug differs according to region.

How to Remove the Lid

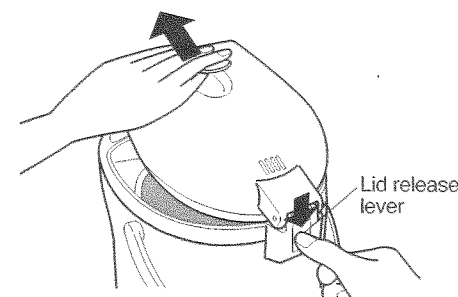
Press the depression in the lid opening lever, and lift the lid.



To close

Press down on the lid until it clicks.

Push on the lid release lever, hold the lid opening lever, and pull the lid out and up diagonally.

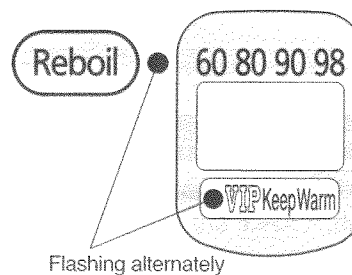


To attach

Insert the lid at an angle.

Overheating Protection

If an empty container is heated, the overheat safety function (which prevents an empty container from being heated) will be activated. The power will be shut off automatically to prevent the problems that may occur due to overheating. This will be shown on the display as shown below.



Flashing alternately

Notice

If an empty container is heated, an odor will be emitted and the container may be discolored.

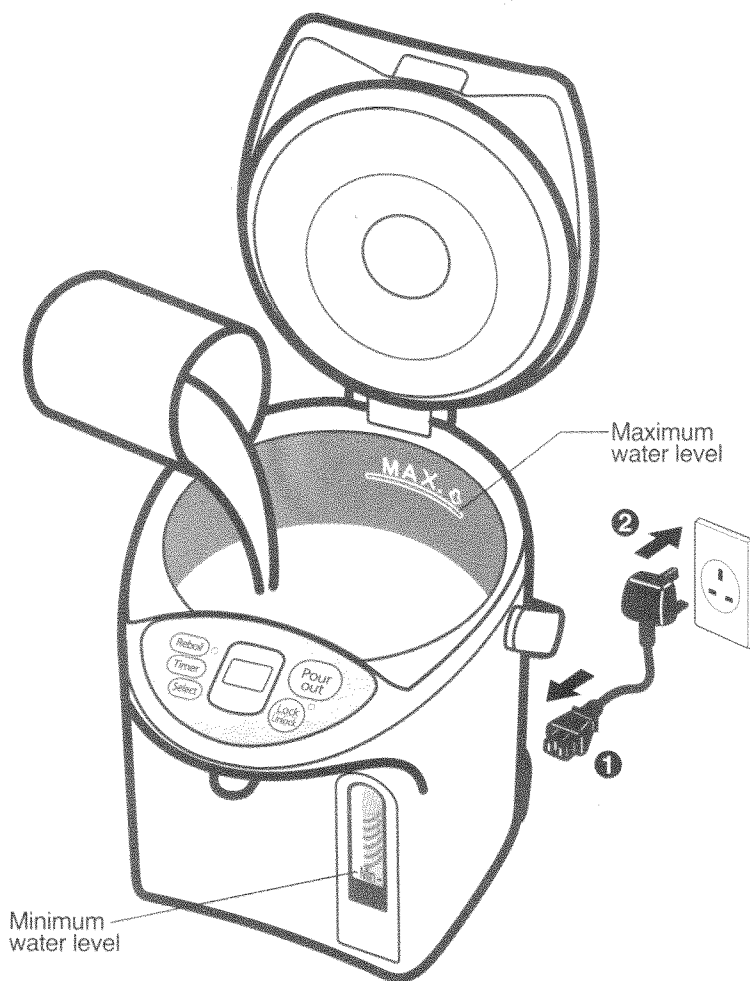
Causing

- Less than the minimum water level in the container was boiled.
- After water is added, the lid might be left open.

How to cancel the display

Supply water into the container, and press the **Reboil** key.

How to Use



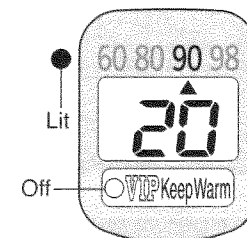
Boiling water

Pour in water with another container. Close the lid securely.

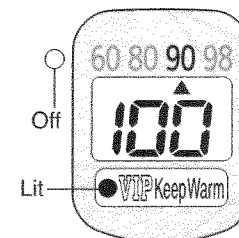
Securely plug the body plug horizontally into the body.

Plug into wall outlet. (1 → 2)

Water starts boiling automatically.



After the water has been boiled, the following will be indicated.



The boiled water will be kept warm at approx. 90°C automatically.

The temperature indication will be changed from 98 to 90.

(The indication is estimated water temperature.)

Time required to boil water

NC-BH40P: approx. 35 min. / NC-BH30P: approx. 27 min.
(Amount of water: Maximum Water / Room temperature: 20°C)

Pouring out (Electric dispense)

Press the **Lock/Unlock** key to release lock.

The indicator light beside the key will be lit.



Press **Pour out** key and dispense the hot water.

The 'Pour out' key will be re-locked automatically in 10 seconds after stop dispensing hot water.

Before you use this pot for the first time

Boil water in it to clean the thermo pot container and the sections through which the hot water is dispensed.

- 1 Boil some water.
- 2 Dispense the hot water.
- 3 Empty the container via "DRAIN" mark.

How to reduce the chlorine in the water

Press **Reboil** key to make the indicator light flash.

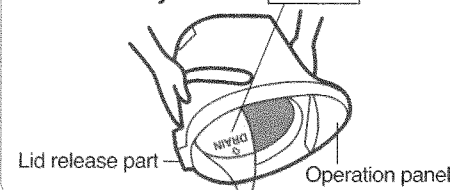
(Press one time while water is being boiled, and press twice while water is being kept warm.)

Extends the boiling time by about 6 minutes to reduce the chlorine by about 80% in the water.

• Press **Reboil** key again to boil.

When the unit is not in use

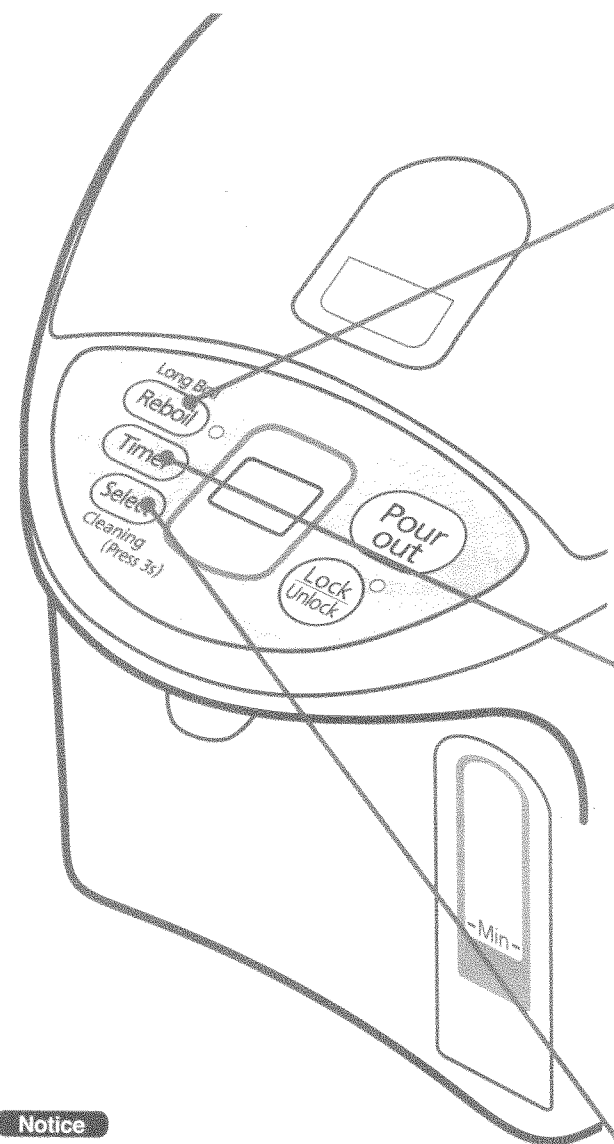
Unplug, and remove the lid. Pour out any remaining hot water slowly via the **DRAIN** mark.



Cautions

- Do not pour out water swiftly.
(If splash water over lid release part or operation panel, it may cause a malfunction.)
- Do not leave water standing in the container.
(It may cause the container to corrode or smell.)

Convenient use methods



Reboil

- It is ideal to use boiling water for making coffee / tea / instant cup noodle etc.

Press the **Reboil** key to reboil water that is being kept warm.



After a few minute, water will be boiled.

- The keep-warm temperature setting is left unchanged.



Time required for the reboil procedure
 From 98 keep-warm: approx. 2.5-4 min.
 From 90 keep-warm: approx. 4-6.5 min.
 From 80 keep-warm: approx. 6-12 min.
 From 60 keep-warm: approx. 9-17.5 min.
 (Amount of water: Maximum)
 (Room temperature: 20°C)

When the unit will not be used for a short time, such as when you go out for a day...

Setting the timer

- While setting the timer, the electrification of heater stops.

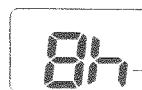
Each time **Timer** key is pressed the light will shift to the next choice.

4h → 6h → 8h → 10h

Cancel

(Will return to the temperature indication)

When the water will be boiled 8 hours later



Remaining time will be indicated on 1 hour base.

When cancel the timer
 Press **Timer** key again.

8 hours later, timer will go off and water starts boiling

When the water is brought up to boiling temperature, keep-warm at the settled temperature.

Keep-warm function

- It is ideal to use 80 keep-warm for making green tea.
- It is ideal to use 60 keep-warm for making milk for a baby. Be sure to leave milk to cool down or mix it with cool boiled water before giving it to a baby.

Each time **Select** key is pressed, "▲" mark will shift to the next choice and change the keep-warm temperature.

60 80 90 98



Time required to reach the settled keep-warm temperature
 90 → 80 keep-warm: approx. 1.5-2.5 hours
 90 → 60 keep-warm: approx. 7.5-11 hours
 90 → 98 keep-warm: approx. 7-16 min.
 (Amount of water: Maximum)
 (Room temperature: 20°C)
 (Previous keep-warm setting: 90)

After a short time, water will be kept warm at approx. 80°C.

Notice

- The keep-warm temperature or the timer can be set while the water is being boiled or being kept warm.
- After power is restored in the event of a power failure, the keep-warm temperature will be automatically set to 90, even if the timer or the "98", "80" or "60" keep-warm function was previously selected.

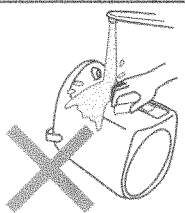
Daily Maintenance

(Before cleaning, be sure to disconnect the plug from outlet, dispense water and allow to cool the unit.)

Main unit and lid

Clean with a damp, well-wrung cloth.

- Do not wet or soak the main unit in water.
(If water enters the main unit from the bottom or from the dispensing spout, it can also get into the electrical components in the main unit and may cause a malfunction.)
- Do not use detergents.
(They may leave an odor.)
- Do not use benzine or thinner.
(They may damage the surface.)



Inner container

Clean with a wet sponge.

- Do not use polishing powder, a scrub brush or a nylon brush.
(They may damage the fluororesin finish of the inner container.)



About "Scale"

While you are using this unit, minerals contained in the water (like calcium) can get stuck on the inner container or on the mesh filter. This is called "scale", and it is harmless.

- Milky-white gritty surface (caused by calcium)
- White or glittering floating material (crystals of minerals)
- Discoloration in the finish like dark brown, gray, or green areas (metallic ion made on the fluororesin covering)

These are not discoloration or corrosion of the inner container itself, nor are they flakes from the fluororesin covering.

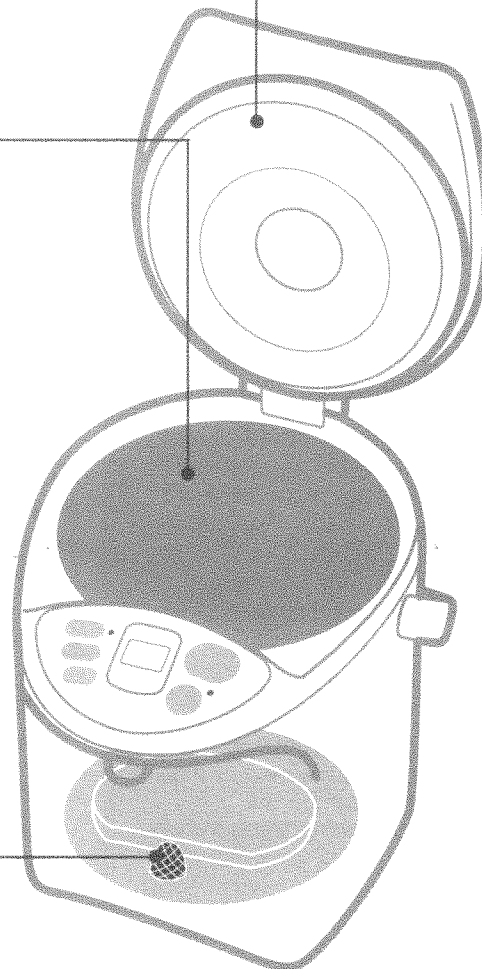
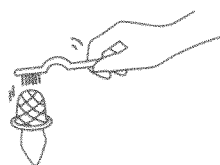
Clean the inner container using citric acid. (See P.15)

Mesh filter

Clean the filter with a brush.

When filter is clogged, water does not flow smoothly.

*After cleaning the filter, be sure to reattach it to the inner container.



When store the unit

- Dry it thoroughly.
- Put it into a plastic bag and seal the bag to keep insects from getting in.

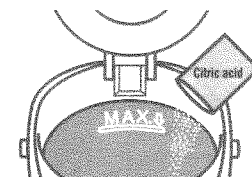
When the scale adhered **Clean with Citric Acid** (once every two or three months)

1 Make sure that the mesh filter is attached to the container.

2 Put citric acid in the inner container.

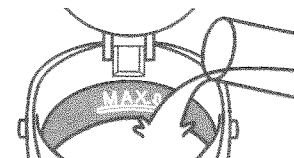
- Amount of citric acid to be used at one time:
80 g (two packages) or seven level tablespoons

*In case that our citric acid is not available, put slices of one or two lemons in a small cheesecloth bag and place in thermo pot instead. (The detergency of lemon is less effective than using the citric acid.)

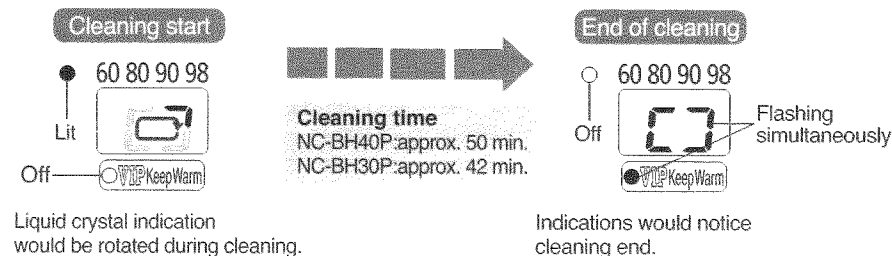


The citric acid is available from an authorized dealer. (Model No: SAN-80N)
 * Follow the directions for cleaning printed on the citric acid package.
 * Since the citric acid used for cleaning is a food additive, it is harmless to humans.

3 Add water to the maximum water level mark, and mix the citric acid and water well. Close the lid.



4 Connect the plug immediately after stirring and press the **Select** key more than 3 seconds.



5 Dispense some water, then unplug, remove the lid and throw away the hot water via the 'DRAIN' mark.

6 Refill with water and boil it to remove the smell of the citric acid or lemons. Then throw the hot water away as same as 5.

- To remove any discoloration from the area above the maximum water level, rub the inside lightly with a wet sponge.
- If the discoloration cannot be removed by rubbing, clean the inner container several times using citric acid or lemons.

Cautions

- Use only our citric acid to clean this thermo pot.
- Do not fill with water above maximum water level.
- Fill the container only with tap water (do not fill with hot water). Hot water may spout out causing burns.

Troubleshooting

Before calling a service supplier,
please check the following possible causes.

If...	Possible cause	How to fix
White or glittering flakes floating in the hot water.	<ul style="list-style-type: none"> The cause of this is "scale". (See P.14) It is not flakes of fluororesin. * Water with a large content of minerals in it such as mineral water or ionised water, is more likely to cause a scale or white layer in the hot water. 	<ul style="list-style-type: none"> Clean the inner container with an wet sponge. (See P.14) If the "scale" still remained, clean with citric acid. (See P.15)
Boiling sounds become louder.	<ul style="list-style-type: none"> When "scale" adhered, boiling sounds become louder. 	
Hot water has odors of chlorine.	<ul style="list-style-type: none"> Odors of chlorine remain depending on the amount of chlorine in tap water. 	<ul style="list-style-type: none"> Press the 'Long Boil/Reboil' key to reduce the chlorine. (See P.10)
Hot water has an unpleasant odor.	<ul style="list-style-type: none"> When the unit is new, resin used in manufacture may give off a mild odor. This will disappear with use. If the unit is placed on surfaces such as a vinyl sheet, the odor may be carried over into the water. 	
Hot water comes out by itself.	<ul style="list-style-type: none"> Water has been added above maximum water level. 	<ul style="list-style-type: none"> Lower the water level.
Hot water does not flow out smoothly.	<ul style="list-style-type: none"> The mesh filter may be clogged with "scale". (See P.14) 	<ul style="list-style-type: none"> Clean the filter with a brush. If the "scale" cannot be removed, replace the filter. (See P.17)
The indicator lights flash alternately.	<ul style="list-style-type: none"> Overheating protection has been activated (See P.9) 	<ul style="list-style-type: none"> Add water and press 'Long Boil/Reboil' key.
	<ul style="list-style-type: none"> The indicator lights may flash alternately by adding boiling water or the way the water is supplied. 	<ul style="list-style-type: none"> Press the 'Long Boil/Reboil' key.
	<ul style="list-style-type: none"> When the inner container is cleaned with citric acid, citric acid have built up on the bottom. 	<ul style="list-style-type: none"> Disconnect the plug, and stir the citric acid well to disperse.
Hot water does not dispense.	<ul style="list-style-type: none"> The automatic lock has been engaged. 	<ul style="list-style-type: none"> Press the 'Lock/Unlock' key.

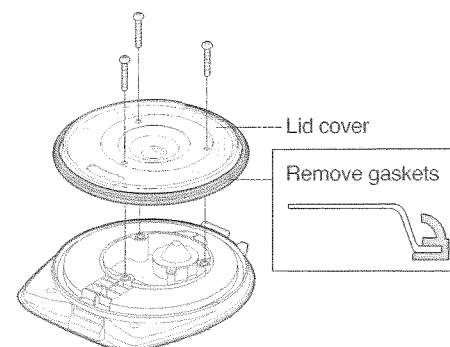
- If the problem is not fixed after checking the above possible causes, or if you think something is strange, disconnect the body plug from the unit. Wait at least 10 seconds and then re-connect the plug.
- The semi-transparent inner part inside the lid may become yellowish. This does not affect operation of the unit.
- The rattling noise in the lid is made by small ball-shaped components which prevent water from flooding out if the unit topples over.
- If the room temperature is very high, the outside of the main unit may reach about 50°C.

The unit doesn't turn electricity.	▶	•You poured in water directly from a tap.	▶ It is broken if the electric components are taken in water. Contact the stores where you purchased for repair.
	▶	•You put the unit on the sink.	
	▶	•You turn the unit upside down with its bottom wet.	
	▶	•You washed the unit in water.	
The indicator lights flash alternately and displayed H1.	▶	•This is malfunction of the sensor. Contact the stores where you purchased.	

Replacement of Parts

Rubber gasket set

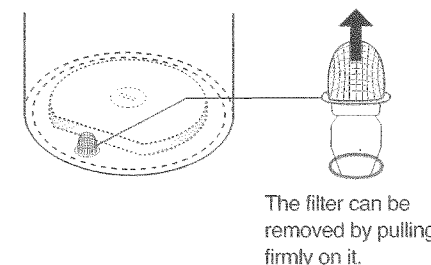
Replace gaskets if they crack, lose their pliancy or, for any other reasons which allow steam to escape from between the container and the lid.



Remove lid, unscrew 3 tapping screws and remove the lid cover.
Exchange the gaskets and then place the lid cover back and secure with the tapping screws.

Mesh filter

Replace the filter, if foreign materials which clog the filter cannot be removed, even after you scrub with a cleaning brush, etc.



Consumable parts are available from an authorized dealer.

Part name	Part No.
Rubber gasket set	APH65-480
Mesh filter	APB97-480-0U

Specifications

Model No.		NC-BH40P	NC-BH30P
Power supply		Local supply	
Power consumption		700 W	
Average power consumption in keeping warm (approx.) (Amount of water: maximum) (Room temperature: 20°C)	at 98	28 Wh	27 Wh
	at 90	23 Wh	22 Wh
	at 80	19 Wh	19 Wh
	at 60	13 Wh	13 Wh
Dimensions (when the handle is tilted)	Height (approx.)	32.4 cm	27.5 cm
	Width (approx.)	21.7 cm	21.7 cm
	Depth (approx.)	28.7 cm	28.7 cm
Weight (including power cord) (approx.)		2.4 kg	2.2 kg
Rated capacity (approx.)		4.0 L	3.0 L

* Under certain conditions, such as at very high altitudes and in intense cold, the unit may not function properly. Please avoid using the unit in such conditions.

* If the unit is not used during cold conditions, make sure to empty it of water. The water left in the inner container may freeze causing damage.