

# Operating Instructions

## ELECTRIC AIR POT

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# CW-PZQ22H/30H

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Please read this operating instructions carefully before use  
and keep it for future reference.

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ZOJIRUSHI CORPORATION

ZS- (A)

## **WARNING - THIS APPLIANCE MUST BE EARTHED**

### **IMPORTANT**

The wires in this mains lead are coloured in accordance with the following code:

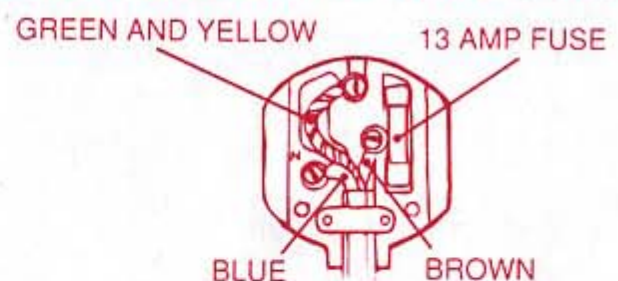
Green-and-yellow:Earth      Brown:Live      Blue:Neutral

If the colours of the wires in the mains lead of this appliance do not correspond with the coloured markings identifying the terminals in your plug, proceed as follows.

The wire which is coloured green-and-yellow must be connected to the terminal in the plug which is marked with the letter E or by the earth symbol or coloured green or green-and-yellow. The wire which is coloured blue must be connected to the terminal which is marked with the letter N or coloured BLACK.

The wire which is coloured brown must be connected to the terminal which is marked with the letter L or coloured RED.

This appliance must be protected by a 13A fuse if a 13A (BS1363) plug is used or, if any other type of plug is used, by a 10A fuse either in the plug or adaptor or at the distribution board.



# Precaution

## Before use

These warnings and cautions are intended to prevent you and persons from injuries and damages. To ensure safe operation, please follow them carefully.

## Warning

**Do not modify the dispenser. It should be repaired only by an authorized repair technician.**

- Improper repair may cause fire, electric shocks, and injuries. If repair is necessary, take it to the store where you purchased it or to an authorized repair center.

**Use only an electrical outlet rated at 15 ampere or more.**

- Do not share the electrical outlet with other appliances. Doing so may result in overheating and fire.

**Keep the Air pot out of the reach of infants. Do not allow children to use the air pot without supervision.**

- Children using the Air pot are at risk of scald, electric shock, and injury.

**Do not soak the Airpot in water or allow it to be splashed. Do not place the Air pot on a wet surface such as a sink.**

- Doing so may result in a short circuit or electric shock.

**Do not add water above the full-water guide mark.**

- Hot water may overflow and cause scalds.

**Do not close the upper lid forcefully.**

- Hot water may overflow and cause scalds.

**Do not allow the pot to tilt or fall over.**

- If the air is tilted or knocked over, hot water may spill out from the spout and steam vent and cause scalds, even when the automatic hot water supply lock is engaged.

**Do not carry the Air pot in your arms, tilt or shake it. Do not move it or pour hot water while holding the lid.**

- If the pot is tilted or knocked over, hot water may spill out from the spout and steam vent and cause scalds, even when the automatic hot water supply lock is engaged.

**Do not place a cloth or any other items over the steam vent.**

- Doing so may cause hot water to overflow, causing scalds.

**If the blades or surface of the electrical plug are soiled, wipe it clean.**

- A contaminated electrical plug may cause fire.

**Do not use the Air pot if the electrical plug or power cord is damaged or the plug is loosely inserted into the electrical outlet.**

- A loose or damaged plug may cause a short circuit that may result in electric shock or fire.

**Use only 220-230volt AC electrical current.**

- Using any other power supply voltage may result in fire and electric shock.

**Do not scratch, damage, modify, forcefully bend, pull, twist, or fold the power cord. Do not place heavy items on the power cord, allow it to become pinched between objects, or modify it.**

- A damaged power supply cord may cause fire and electric shock.

# Precaution

## Caution

**Do not allow pins or other metal objects to contact the appliance plug.**

- Contacting metal objects may cause electric shock, a short circuit, and fire.

**Always grasp the power supply plug when unplugging the power cord. Do not pull the power cord itself.**

- Doing so may cause an electric shock, a short circuit, or fire.

**Do not attempt to pour hot water while it is boiling or immediately after it has boiled.**

- Hot water can spurt out and cause scalds.

**Do not place the air on an unstable surface or on surfaces that are vulnerable to heat.**

- Doing so may cause fire.

**Unplug the electrical plug from the outlet when the Air pot is not being used.**

- The insulation could become damaged, resulting in injury, burns, electric shock, leakage of electricity, or fire.

**To avoid burns, do not touch the steam vent.**

- Be especially careful that children do not touch it.

**When opening the lid, do not allow the steam to contact your skin.**

- Hot steam can scald your skin.

## Notes

**Do not turn on the dispenser if it is empty.**

- Doing so may cause fire or other damages.

**Be careful when using the Air pot on a kitchen storage shelf or within 30cm of a wall or furniture.**

- If steam contacts the ceiling, wall, or other items, it may cause discoloration or distortion of nearby objects or surfaces.

**Do not use the Air pot near a heat source.**

- Doing so may cause fire or other damages.

**Do not drag the Air pot.**

- It can scratch the surface of the table or counter.

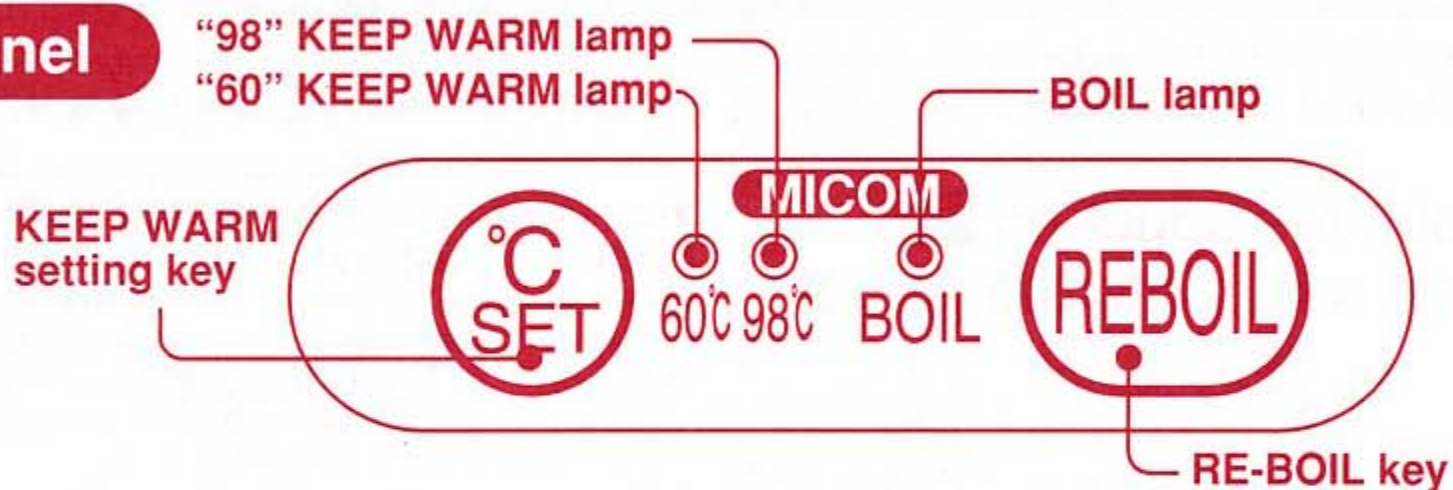
**Do not put ice, soup, milk, instant foods, tea, or any other substance except water into the Air pot.**

- Boiling water containing a tea bag, tea leaves, or instant foods can cause the water to foam and the contents of the pot to spurt out and burn you. It can also result in burning and decomposition of the food as well as peeling of the non-stick fluorine coating on the container.

In addition, foreign objects may obstruct the internal electrical pump, preventing water from being dispensed.

# Parts Names

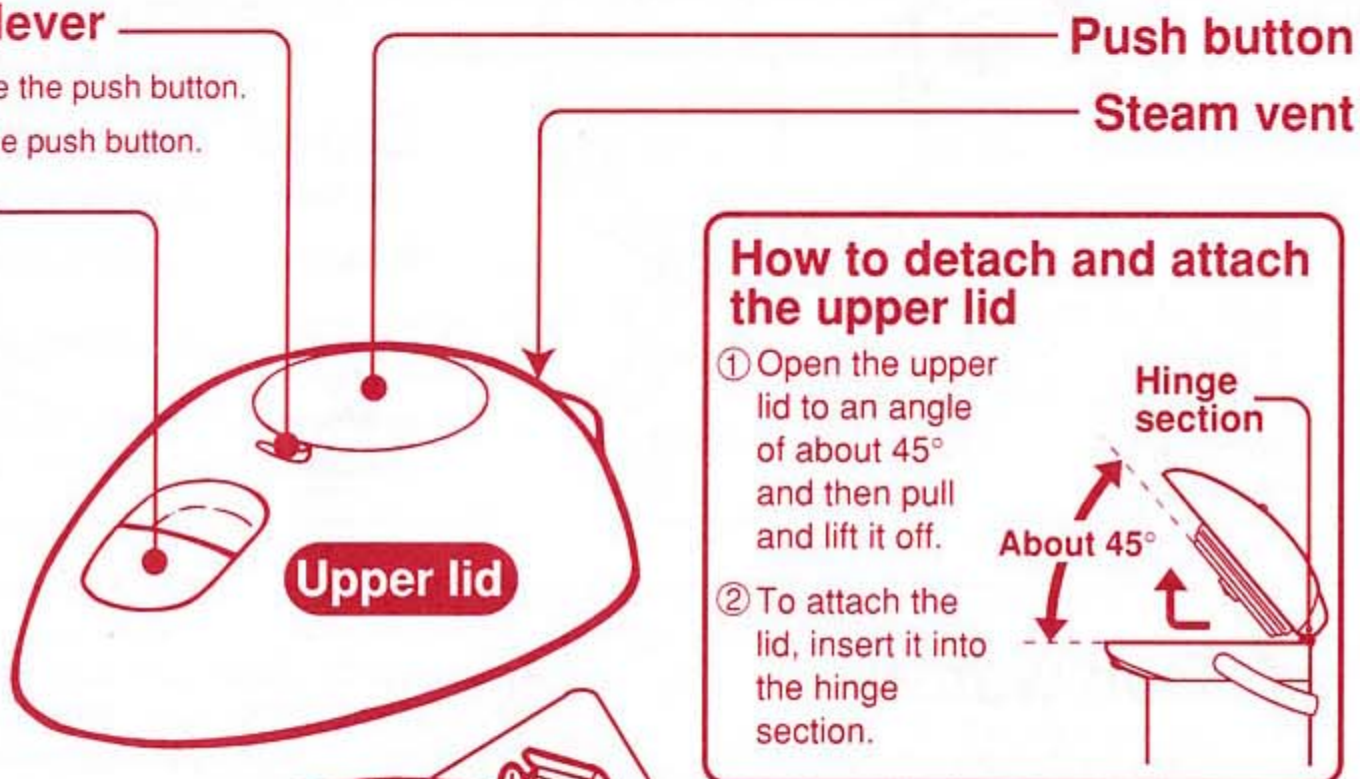
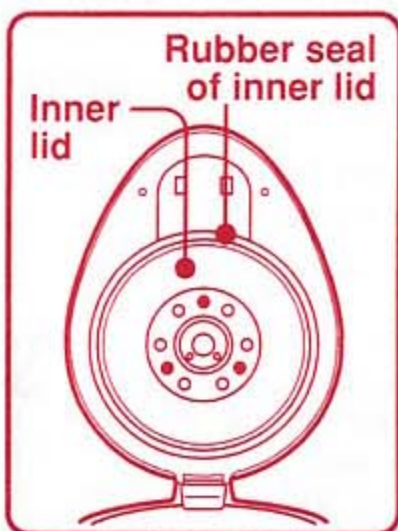
## Panel



## Push button lock lever

- CLOSE** → You cannot use the push button.
- OPEN** → You can use the push button.

## Lock for outer lid



## Full water guide mark

## Container (fluororesin-coated)

## Spout

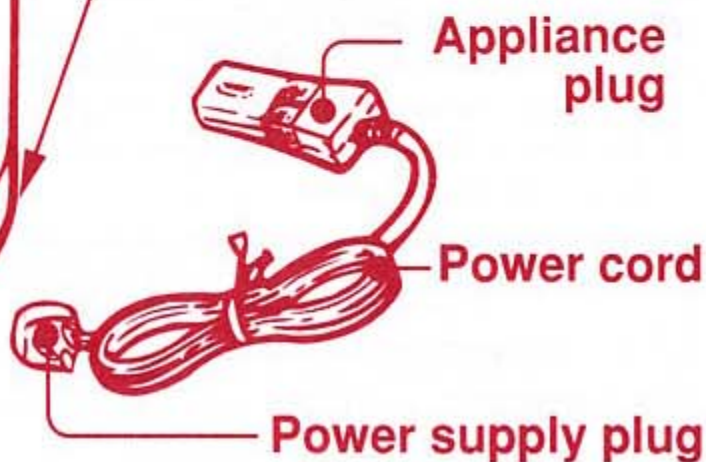
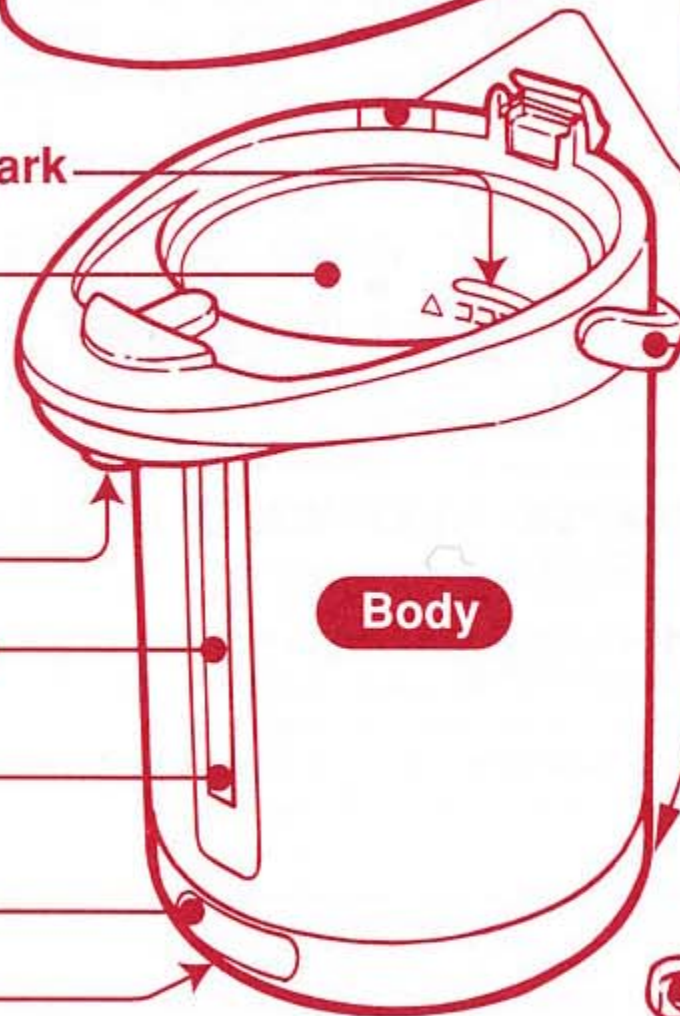
## Water level gauge

## Refill mark

## Panel

## Swivel base

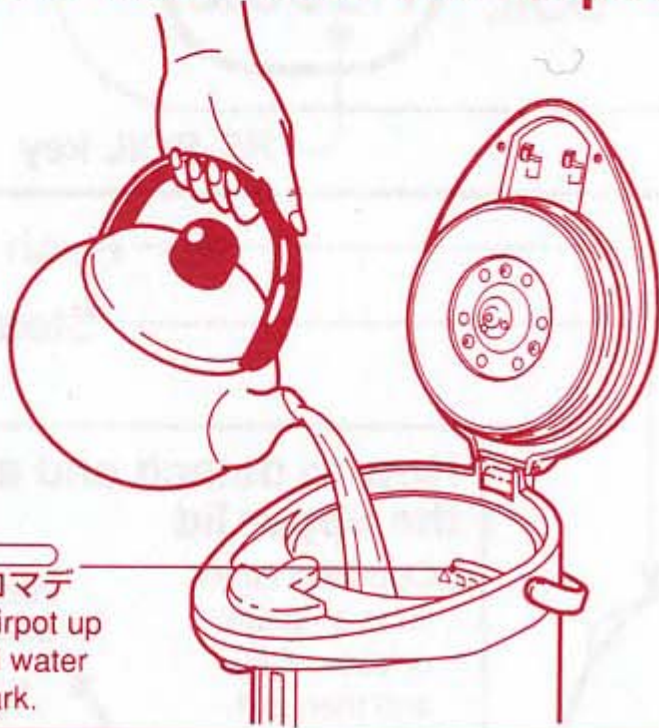
- The body rotates 360°, allowing pouring in any direction.



# How to Use

Before using the Airpot for the first time or if the Airpot has not been used for a long time, boil some water and press the push button several times. This water should be discarded. When you first use the Airpot, a slight smell of plastic may be noticed but this will gradually fade with use.

## 1 Open the upper lid and pour water into the Airpot.



△ココマテ  
Fill the Airpot up to the full water guide mark.

**You should use another container (kettle) to pour water into the Airpot.**

- Do not fill directly from the tap. (An overflow may cause an electric short-circuit or electric shock.)
- Do not fill the Airpot higher than the full water guide mark (△ココマテ). (Boiled water overflows from the spout, which is dangerous.)
- Do not splash water on the Airpot body and panel. (This may cause electric shocks and appliance failure).

**Close the upper lid.**

Be sure to close the upper lid firmly.

- Set the push button to "Lock".
- ※ Push the lid closed until you hear a clicking sound.
- ※ When opening and closing the upper lid, it makes a clattering sound. This is a normal condition.

## 2 Boil water

Plug in the Airpot.



As soon as the power cord is connected, the "98" KEEP WARM lamp illuminates and then the BOIL lamp illuminates. The Airpot automatically starts boiling water.

※ Dechlorination is also performed automatically.



**Once the water has boiled, the "98" KEEP WARM lamp illuminates.**

Steam pours out of the Airpot for about 3 minutes.

- Do not open the upper lid while the BOIL lamp is illuminated (this may cause burns).
- Do not block the steam vent with a dish cloth (this may cause burns).
- Do not dispense hot water while the water is boiling (this may cause burns).
- Be careful when steam comes through the steam vent (this may cause burns).
- ※ Do not set the handle right above the steam vent or the handle may become hot (this may cause burns).

|                             | PZQ22H              | PZQ30H              |
|-----------------------------|---------------------|---------------------|
| Time required to boil water | About 23~26 minutes | About 29~32 minutes |

(At a room temperature of 20°C and water temperature of 20°C with full water level)

Start



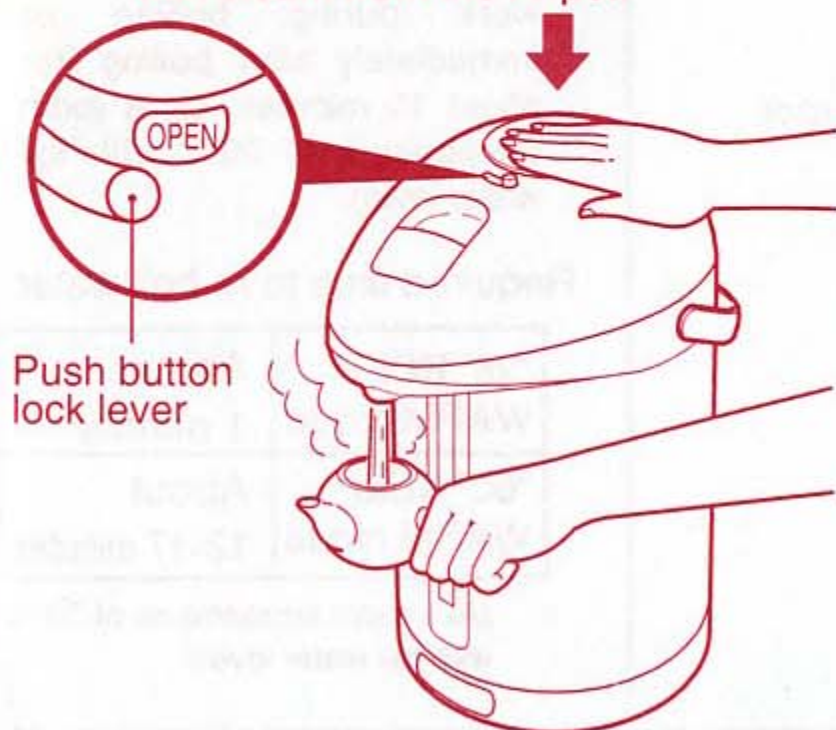
End



# How to Use

## 3 Pouring hot water

※ Be careful not to come in contact with steam from the Airpot.

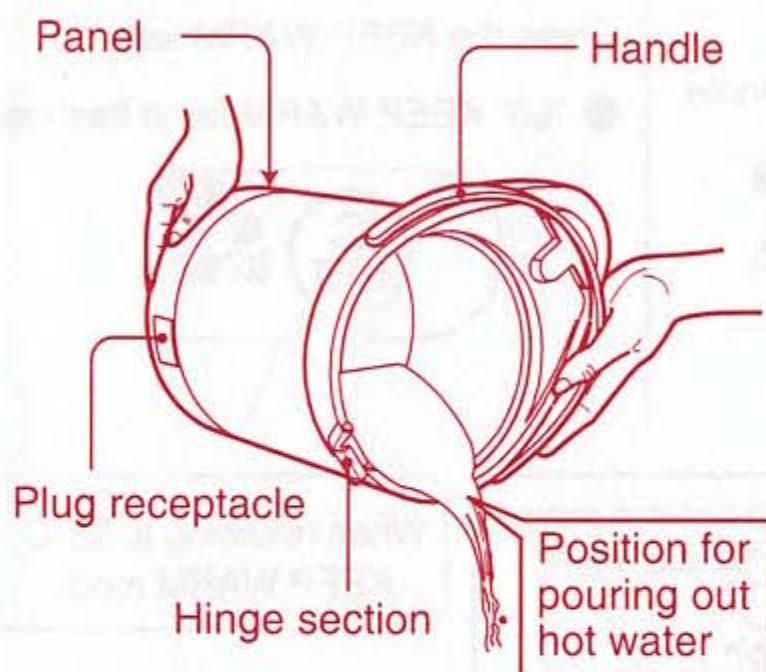


Set the push button lock lever to the "OPEN" position and press the push button to pour boiled water.

- Do not press the push button forcibly when the water level is low. (Hot water splashes from the spout, which may cause burns.)
- While boiling water or after dispensing hot water, be sure to reset the push button lock lever to the "CLOSE" position.
- When you turn the Airpot, be careful not to wind the power cord around the Airpot body (the Airpot may tip over).
- When opening the upper lid to add water, be careful not to come in contact with steam from the Airpot (this may cause burns).

- ※ When boiling a small volume of water, the first cup will not be quite as hot as subsequent sips.
- ※ Immediately after boiling, steam pours out from the spout. Be careful not to burn yourself.
- ※ The Airpot body becomes hot while boiling water and warming water.

## 4 After use



- ① Unplug the power cord and detach the upper lid.
- ② As shown on the left, use both hands to hold the Airpot body in the recommended position and pour out the remaining hot water. (Hold the body securely so as not to drop it.)

- Be sure to detach the upper lid when pouring out the hot water. (Otherwise, the upper lid may fall off and cause burns.)
- Do not touch the plug receptacle or magnet plug with a wet hand (this may cause the Airpot to short-circuit or give you an electric shock).
- Be careful not to splash hot water on the hinge section or the panel (this may cause burns or Airpot failure).
- Protect your hands from hot water splashing from the spout (this may cause burns).
- Be sure to pour out unused hot water every day. (The remaining hot water in the Airpot may cause deposits in the inner container.)

■ If the inner container is contaminated with deposits, the boiling sound may become louder or hot water may not pour out smoothly.

Keep the Airpot clean by following the procedures in "Cleaning and Maintenance".

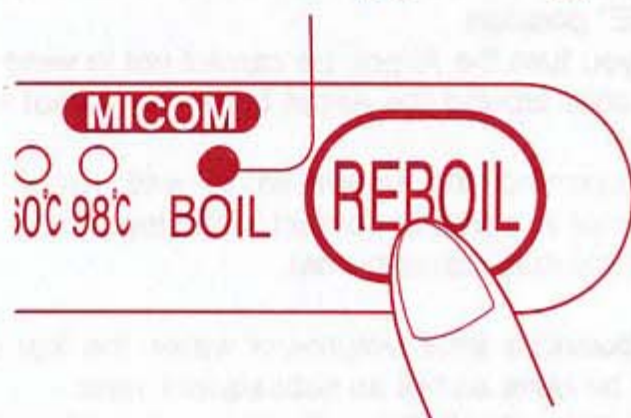
■ Unplug the power cord from the outlet when the Airpot is not in use.

# How to Use

## RE-BOIL Use this key to re-boil the water being warmed.

Press the RE-BOIL key.

The BOIL lamp illuminates and the Airpot starts boiling (re-boiling) water.



- The RE-BOIL key does not work during boiling or immediately after boiling (for about 10 minutes) (at a room temperature of 20°C with full water level).

Required time to re-boil water

|                     |                     |
|---------------------|---------------------|
| "98" KEEP WARM mode | About 1 minute      |
| "60" KEEP WARM mode | About 12~17 minutes |

(At a room temperature of 20°C with full water level)

## Warming water at 60°C 60°C warm water is suitable for making milk for babies. Dissolve powdered milk in 60°C water and then cool it down to the proper temperature (slightly higher than body temperature).

- You can set the 60°C KEEP WARM mode before boiling water or while warming water.

### Before boiling water

Press the KEEP WARM key.

The Airpot boils water once.

The Airpot automatically switches to the 60°C KEEP WARM mode.

The BOIL lamp and "60" KEEP WARM lamp illuminate.



### While warming water

Press the KEEP WARM key.

- "60" KEEP WARM lamp flashes.



While water temperature decreases



While the "60" KEEP WARM lamp is flashing, hot water temperature is higher than 60°C.

When the temperature decreases to a level which changes the mode from "98" KEEP WARM to "60" KEEP WARM



When returning to 98°C KEEP WARM mode

Press the KEEP WARM key again.

|   |                             |
|---|-----------------------------|
| Time required for boiled water to cool down to 60°C | About 3 hours and 40minutes |
|---|-----------------------------|

(At a room temperature of 20°C with full water level)

- ※ The required time may vary depending on the water quality and room temperature.
- ※ To cool down the water quickly, reduce the volume of hot water.
- ※ If you add water while it is cooling down, water may not be boiled.
- ※ Before making milk, be sure to check that the "60" KEEP WARM lamp is illuminated.



# Cleaning and Maintenance

Be sure to start cleaning and maintenance of the Airpot after unplugging the power cord, pouring out the remaining water and checking that the Airpot body has been completely cooled.

## Inner container discoloration and white suspended matter

Reddish rust spots (stains), discoloration with milky or dark deposits, and white suspended matter are generated from water ingredients (minerals), and are not due to discoloration or corrosion of the container itself. Although these phenomena are not harmful to your health, regular cleaning is strongly recommended.

## Inner container and inner lid

### Wash them with a soft sponge and rinse with water.

Contamination condition varies depending on the water quality and frequency of boiling. Regular cleaning is recommended. Clean the inner container every one to three months with citric acid.

■ If the container is contaminated with deposits, the boiling sound may become louder or hot water may not pour out smoothly. Keep the Airpot clean by following the procedures in "Cleaning and Maintenance".

- ※ Do not wash the entire Airpot body (this may cause a failure).
- ※ Do not splash water on the panel (this may cause a failure).

## Washing with citric acid

### 1 Pour water and then citric acid into the inner container.

Water volume: Rated volume (up to the full water guide mark  $\Delta$ マーク)  
Citric acid volume: 30 g (2 to 3 spoonfuls)

- ※ Do not pour too much water into the Airpot (it may overflow when washing).

### 2 Press the KEEP WARM key and RE-BOIL key simultaneously for longer than 1 second.

● During cleaning: "60" KEEP WARM lamp and "98" KEEP WARM lamp flash simultaneously.

● End of cleaning: "60" KEEP WARM lamp and "98" KEEP WARM lamp illuminate steadily simultaneously.



- ※ Time required to complete washing varies depending on the Airpot size, room temperature and water temperature.

### 3 Unplug the power cord and pour out the hot water. Remove the adhered deposits with a moistened soft sponge. Then, rinse the inner container thoroughly.

### 4 To remove the citric acid completely, refill the inner container with water, boil it and then discard the water.

#### If you want to cancel washing with citric acid

Unplug the power cord (for more than 3 seconds).

- ※ If the deposits and contamination are difficult to clean off, repeat washing with citric acid.
- ※ Do not drink hot water made when washing with citric acid.
- ※ Use the cleaning citric acid which is manufactured by ZOJIRUSHI only. (Other brands of citric acid may generate bubbles in the container and cause the hot water to overflow, which may cause burns.)

Purchase the cleaning citric acid at ZOJIRUSHI agencies.

Product No.: CD-K03E

※ Citric acid is a food additive and is not harmful to your health.

(30 g x 4 packs)

## Upper lid and body

### Wipe off with a slightly damp dish cloth.

- ※ Do not wash the entire Airpot body (this may cause a failure).
- ※ Do not splash water on the panel (this may cause a failure).

# Cleaning and Maintenance

## Information

- ※ When using alkali ion water, calcium in the water is likely to adhere to the inner container. More frequent cleaning is recommended.
- ※ Although the inner container is coated with fluororesin, it will not remain completely free from discoloration if you do not clean it for a long time.

## Caution Do not use the following for cleaning:

- Detergent (causes a smell in the inner container)
- Cleanser, nylon scrub brush (which scratches the inner container and inner lid)
- Benzine, thinner (which damages the inner container and inner lid)
- Dish-washer, dish-dryer (which deforms the Airpot)

## If are not going to be using the Airpot for a long time

- Dry the Airpot completely.
- Store the Airpot in an airtight polyvinyl bag to keep out insects.

# To change the rubber seal on the inner lid

The rubber seal on the inner lid is a consumable item. Check it about once a year. If damaged, replace the rubber seal with a new one (available at cost).

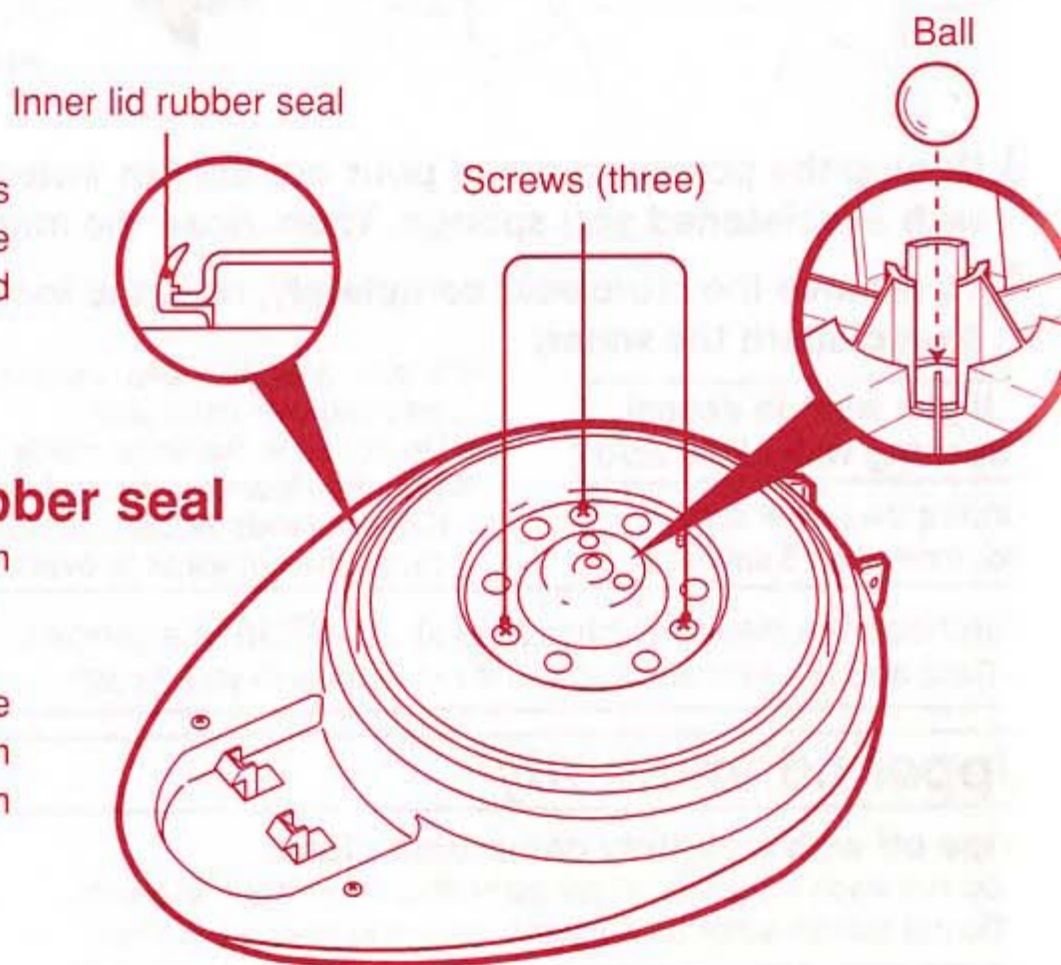
When replacing the rubber seal, check the model number and purchase a new rubber seal at the store where you purchased the product.

## To remove the inner lid rubber seal

- ① Loosen three screws.
  - ※ Do not remove the screws completely. Should the screws be removed, keep the screws and ball close at hand.
- ② Remove the rubber seal.

## To attach the inner lid rubber seal

- ① Fit the rubber seal securely to the rim of the inner lid as shown in the figure.
- ② Tighten the three screws.
  - ※ When the inner lid is removed, be sure to set the ball in the position shown in the figure and then attach the inner lid to the body.



# Before calling for service

| Condition   | Cause  | Corrective action  |
|---|--|--|
| Water does not boil.  | The power cord is unplugged.   | ➔ Plug in the power cord.  |
|   | A metal chip or dust is attached to the plug end.  | ➔ Unplug the power cord from the outlet and the receptacle and clean the plug end. |
| Hot water does not pour out at all or does not pour out smoothly. | The upper lid is not closed.   | ➔ Close the upper lid securely.  |
|   | The inner lid rubber seal is not correctly set.  | ➔ Set the inner lid rubber seal correctly.   |
|   | The inner lid rubber seal is damaged.  | ➔ Replace the inner lid rubber seal.   |
| Hot water overflows from the spout.                               | The water level exceeds the full water guide mark.   | ➔ Lower the water level below the full water guide mark.                           |
| There is white suspended matter in the water being served.        | White suspended matter is caused by minerals in the water. It is not caused by corrosion of the inner container or peeled fluororesin coating. | ➔ Wash the inner container with citric acid.                                       |
| A loud sound is heard during boiling.                             | If there are deposits adhering to the inner container, the boiling sound becomes louder.   |  |
| Three lamps illuminate simultaneously.                            | The empty boiling prevention function is active because the water level is low or hot water is added. (See "Empty Boiling Prevention".)        | ➔ Pour water out after the inner container is completely cooled.                   |

| Condition  | Cause  |
|--|--|
| When opening and closing the upper lid, it makes a clattering sound. | This clattering sound is generated by the ball moving in the upper lid. The ball is built in the lid to prevent hot water from rushing out if the Airpot tips over. The sound is normal. |
| Hot water smells bad.  | Disinfectant chlorine in the water may be left in some cases.  |
|  | When you first use the Airpot, a slight smell of plastic may be noticed but this will gradually fade with use.   |
| "98" KEEP WARM lamp and "60" KEEP WARM lamp flash simultaneously.    | The inner container is being washed with citric acid. (See "Cleaning and Maintenance".)  |

©If your problem is not listed above, contact the distributor where you purchased the appliance and provide them with the product number.

# Before calling for service

## Empty Boiling Prevention

In the following cases, the empty boiling prevention function turns ON and cuts off power to the heater in order to prevent a failure due to overheating. Three lamps illuminate simultaneously to signal that the empty boiling prevention function is ON.

### Cause

- When plugging in the Airpot with no water in the inner container
- When the water level is below the refill mark
- When unused hot water is left or the upper lid is kept open to refill water
- When pouring boiled water into the inner container

### Corrective action

Pour water after the inner container is completely cooled.

**Repeated empty boiling may cause discoloration or peeling of the fluororesin coating.**

## Specification

| Product No.                       | CW-PZQ22H                    | CW-PZQ30H                    |
|-----------------------------------|------------------------------|------------------------------|
| Capacity                          | 2.2L                         | 3.0L                         |
| Rating                            | 220-230V ~ 660-720W          | 3.0-3.1A 50/60Hz             |
| Average warming power consumption | Approx. 40W                  | Approx. 47W                  |
| Temperature fuse                  | 142°C                        |                              |
| Hot water supply method           | Hand pumping system          |                              |
| Overall dimensions (cm)           | 20.5 (W) x 26 (D) x 31.5 (H) | 20.5 (W) x 26 (D) x 36.5 (H) |
| Weight (including the power cord) | Approx. 2.0kg                | Approx. 2.1kg                |

- The average warming power consumption is measured when the room temperature is 20°C and the water is at the full level.
- The height is measured while the handle is lowered.
- The given performance may not be attained in particular areas, such as in high altitudes or in severely cold areas. You should not use the appliance in such environments.
- If the supply cord of the appliance is damaged, it must be replaced by a repair shop appointed by the manufacturer, because special cord (Parts No. CD-EMQ-CD) is required.