



Inspection	Check the Alkaline Ionizer you've been using for years!		
	Are any of the following symptoms applicable?	<ul style="list-style-type: none">•None of the lamps light even though the power plug has been connected.•The water quality indicator lamps (three of them) blink at the same time, the buzzer beeps three times in succession, and the same situation occurs even after taking remedial action.•The water quality indicator lamps (three of them) and the other lamp light at the same time, and the buzzer beeps five times in succession.•All the lamps except for "Alkaline Level 2" and "Alkaline Level 3" light, and the buzzer beeps five times in succession.•Some other trouble or failure has occurred.	If any of these symptoms have occurred, disconnect the power plug from the power outlet in order to prevent accidents, and be absolutely sure to ask your dealer to check out your unit.

愛心檢查	應對長年累月使用的電解水生成器進行檢查		
	是否有這樣的現象？	<ul style="list-style-type: none">•就算已將電源插頭插入，顯示燈不點亮。•水質顯示燈 (3個) 同時閃爍，並連續發出3次警告聲，即使處理異常顯示依舊出現。•水質顯示燈 (3個) 和其他顯示燈 (1個) 再次同時點亮，並連續發出5次警告聲。•鹼2段和3段以外的所有顯示燈都點亮，並連續發出5次警告聲。•出現其他異常現象或故障。	出現以上現象時，請停止使用，避免事故發生。從插座拔下電源插頭，務必委託經銷商人員檢查

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P2用

Panasonic®

Instruction Manual
使用說明書

Alkaline Ionizer Household Use
電解水生成器 家庭用

Model No. TK-AS45
TK-AS41
TK-AS40



Model No. TK-AS45

Thank you very much for purchasing our Alkaline Ionizer.
感謝您選購Panasonic電解水生成器。

■ Please read through this manual carefully before using the product to ensure proper operation.
Be absolutely sure to read the “Safety Precautions” (see pages 4 to 7) before use to ensure that you will use the product safely. After reading the manual, keep it in a safe place along with the warranty in case you need to refer to it later.

■ Be absolutely sure to check that the purchase date has been entered on the warranty.

■ Please keep in mind that the manufacturer of the product will not be responsible for any product malfunctioning or accidents resulting from the improper installation or operation of the product.

■ This Instruction Manual uses illustrations of the TK-AS45 model to explain the product.

■ 使用前請詳閱本說明書，詳閱說明書後再正確使用。特別是「安全注意事項」(8 ~ 11 頁)，請務必在使用前詳細閱讀，以便安全操作。閱讀後請妥善保管並與保證書放在一起，以備不時之需。

■ 保證書上的「購買日期」請務必填寫。

■ 因安裝錯誤或不正確使用，而造成產品故障或發生事故時，本公司恕不負責。

■ 本說明書使用TK-AS45的插圖說明。

Use properly to economize on electricity

正確使用，節省用電

The Alkaline Ionizer

eliminates turbidity and odors, and makes your water tasty.

- The Alkaline Ionizer produces alkaline ion water and acidic water by electrolysis.
- **It eliminates the following substances so that the water you drink will be tasty.**
 - **TK-AS45:**
 - 13 substances specified by JIS standards**
 - Free residual chlorine, turbidity, total trihalomethane, chloroform, bromodichloromethane, dibromochloromethane, bromoform, tetrachloroethylene, trichloroethylene, 1,1,1-trichloroethane, CAT, 2-MIB (mold smell), soluble lead
 - Japan Water Purifier Association voluntary class 4 substances**
 - Iron (particulate form), Aluminum (neutral), Geosmin (mold smell), Phenols
 - **TK-AS41:**
 - 13 substances specified by JIS standards**
 - Free residual chlorine, turbidity, total trihalomethane, chloroform, bromodichloromethane, dibromochloromethane, bromoform, tetrachloroethylene, trichloroethylene, 1,1,1-trichloroethane, CAT, 2-MIB (mold smell), soluble lead
 - **TK-AS40:**
 - 5 substances specified by JIS standards**
 - Free residual chlorine, turbidity, total trihalomethane, 2-MIB (mold smell), soluble lead

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使用電解水生成器

讓您喝到沒有濁味，乾淨美味的水。

- 將水電氣分解成鹼性離子水、酸性水。
- 清除以下物質，能生成美味的水。
 - TK-AS45：
JIS標準規定13種物質
殘留氯、污濁物、總三鹵甲烷、三氯甲烷、二氯一溴甲烷、二溴一氯甲烷、三溴甲烷、四氯乙烯、三氯乙烯、1,1,1-三氯乙烷、CAT、2- MIB (黴菌臭)、溶解性鉛
淨水器協會自主標準4種物質
鐵(微粒子狀)、鋁(中性)、土臭素(黴菌臭)、酚類
 - TK-AS41：
JIS標準規定13種物質
殘留氯、污濁物、總三鹵甲烷、三氯甲烷、二氯一溴甲烷、二溴一氯甲烷、三溴甲烷、四氯乙烯、三氯乙烯、1,1,1-三氯乙烷、CAT、2- MIB (黴菌臭)、溶解性鉛
 - TK-AS40：
JIS標準規定5種物質
殘留氯、污濁物、總三鹵甲烷、2-MIB (黴菌臭)、溶解性鉛

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Safety Precautions

Please make sure to follow these instructions

In order to prevent accidents or injuries to the user, other people, and damage to property, please follow the instructions below.

■ The following charts indicate the degree of damage caused by wrong operation.

■ The symbols are classified and explained as follows.
(The following are examples of symbols.)

 **Warning** Indicates serious injury or death.



 **Caution** Indicates risk of injury or property damage.

 This symbol indicates prohibition.

 This symbol indicates requirement that must be followed.

Warning


Power cord and power plug

 **Do not damage the power cord or power plug.**
(It may cause a fire or electric shock due to short circuits, faulty insulation, deterioration or other.)
● Using staples () to secure it ● Damaging it ● Re-working it ● Bending it unnaturally ● Twisting it ● Pulling it ● Positioning it too close to a heating appliance ● Placing heavy objects on top it ● Bundling it ● Pinching it ● Sandwiching it, etc.
● When removing the power plug from the power outlet, hold the molded part of the plug rather than the cord itself, and pull the plug free.
● Please contact an authorized dealer to repair the cord or plug.

■ **Do not use in a manner that exceeds the rating of the power outlet or connected equipment.**
(Connecting too many appliances to a power outlet may cause a fire due to heat generation.)

 **Do not connect or disconnect the power plug with wet hands.**
(It may cause an electric shock.)

No wet hands

 **Use 220 V – 240 V AC voltage.**
■ **Insert the power plug firmly.**
(It may cause smoking, a fire or electric shock.)
● Do not use a damaged plug or loose power outlet.

Essential

■ **Remove the dust or other foreign matter on the power plug periodically.**
(If dust or other foreign matter is allowed to build up on the plug, moisture or other factors may lead to defective insulation which, in turn, may cause a fire.)
● Disconnect the power plug, and wipe it with a dry cloth.

■ **If the Alkaline Ionizer falls into water by mistake, disconnect its power plug from the power outlet, and take the Alkaline Ionizer out of the water.**
(It may cause an electric shock.)
● Please contact an authorized dealer for a check or repair.

■ **Discontinue using the appliance immediately and unplug when abnormality or breaking down occurs.**
(It may cause smoking, a fire or electric shock.)
<e.g. for abnormality or breaking down>
● The lamp indicator is abnormal (P. 56)
● Abnormal noise generated during operation
● The main unit becomes abnormally hot or deformed
● Please contact an authorized dealer for a check or repair.



Warning

Disassembly prohibited



No disassembly

■ **Do not disassemble, repair or remodel the Alkaline Ionizer.**
(Doing so can lead to a fire and/or electric shocks.)
● Please contact an authorized dealer for a check or repair.

Water supply



Prohibited

■ **Use only water (such as tap water) which has been approved for consumption.**
(Consuming non-approved water may cause health problems as this Alkaline Ionizer does not have sterilization capabilities and cannot eliminate toxic substances other than those it can remove (P. 2).)

Caution

Existing conditions and health problems



Prohibited

■ **People with kidney damage (users who have renal failure or who have difficulty in eliminating potassium from their systems) should not drink alkaline ion water.**
(Doing so may cause health problems.)

■ **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. Keep this instruction manual in a safe place.**
(Doing so may cause an accident or health problems.)



Essential

■ **People with the following conditions should consult a doctor before drinking alkaline ion water.**
(Doing so may cause health problems.)

- People who is receiving medical treatment from a doctor
- People with health problems or weakened constitution (People who is not feeling well)
- People with kidney diseases other than renal failure or potassium elimination

■ **People in the following situations should consult a doctor before applying acidic water to their skin.**
(Doing so may cause health problems.)

- People with sensitive skin
- People susceptible to allergic dermatitis

■ **First-time users should consume small quantities (1 to 2 cupfuls) starting at the “Alkaline Level 1” setting for about two weeks, and then start using the “Alkaline Level 2” or “Alkaline Level 3” settings when their body has become accustomed to alkaline ion water.**
(Drinking too high a level or too much (3 or more cupfuls) alkaline ion water at the start may cause health problems.)

Non-consumable alkaline ion water, applications



Prohibited

■ **Do not drink the following kinds of water:**
(Doing so may cause health problems.)
● Acidic water
● Water which comes out of the drain hose
● Water which comes out of the main spout while the water quality indicator lamp is blinking

■ **Do not directly consume water whose pH level exceeds 10.**
(Doing so may cause health problems.)

- Consuming water which has a pH level of around 9.5 “Alkaline Level 3” (Drinking water in daily life) is recommended. Keep the general amount of water consumed daily at around 0.5 liter to 1 liter.

Safety Precautions

Please make sure to follow these instructions

⚠ Caution

Non-consumable alkaline ion water, applications



Prohibited

■ Do not take medicine with alkaline ion water.

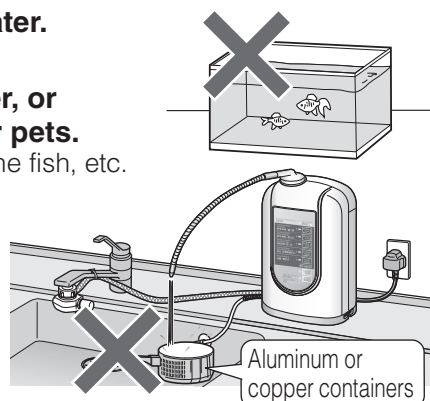
(Doing so may cause health problems.)

■ Do not use alkaline ion water, acidic water, or purified water for the care of fish or other pets.

(The environment may change as a result, and the fish, etc. may die.)

■ Do not use aluminum containers that do not stand up to alkalis or copper containers that do not stand up to acids.

(Doing so may cause discoloration of the containers or damage them.)



Aluminum or copper containers



Essential

■ When starting to use the Alkaline Ionizer, flush out the water which has collected inside.

(Doing so may cause health problems.)

When starting use every day

Run about 0.6 liter (about 15 seconds) of water through the Alkaline Ionizer.

When the Alkaline Ionizer has not been used for 2 or more days

Run about 8 liters (about 3 minutes) of water through the Alkaline Ionizer.

Storing alkaline ion water and purified water



Essential

■ Use alkaline ion water or purified water immediately after it is produced, or when storing it for future consumption, pour into a clean sealed container, and consume it within 24 hours if it is kept at room temperature or within 2 days if it is kept in the refrigerator.

(The Alkaline Ionizer removes sterilizers (such as chlorine) so the water may go bad over time, possibly causing health problems.)

If feeling unwell



Essential

■ If you have drunk alkaline ion water and do not feel well as a result, or if the symptoms do not improve after continued use, stop drinking the water and consult a doctor.

(Doing so may cause health problems.)

■ If you have applied acidic water to your skin and you experience skin problems, stop use immediately, and consult a doctor.

(Doing so may cause health problems.)

Installation location



Essential

■ Install the main unit on a level surface.

(Failure to do so may cause the main unit to topple over and possibly cause injury.)

■ When mounting the main unit on a wall for use, be absolutely sure to ask your dealer or a contractor to do the installation work.

(If you try to do the work yourself, the main unit may fall off, possibly causing an accident.)

■ The location where the main unit is to be installed must be able to support a weight of over 6 kg.

If the installation location does not have enough strength to support the main unit, the Alkaline Ionizer may fall, resulting in an accident and kitchen damage.

⚠ Caution

Installation location



Prohibited

■ Do not block the main spout or bend, twist, flatten, pull or clamp the hose.

(Doing so may cause water leaks or malfunctions.)

■ Do not connect a hose or any other appliances to the main spout or drain hose.

(Doing so may cause water leaks or malfunctions.)

■ Do not use the Alkaline Ionizer if the outlet pipe is loose.

(Doing so may cause water leaks or damage.)

● If it has come loose, screw it in securely.

■ Do not connect the Alkaline Ionizer to a hot water supply system which is not equipped with a directional control check valve (for preventing the backflow of the water).

(Doing so may lead to malfunction in the hot water supply system.)

■ Do not connect the Alkaline Ionizer to a main stop system water boiler (whose construction does not permit the water to be stopped at the hot water outlet) [such as an instantaneous water heater].

(Doing so may lead to malfunction in the water boiler.)

Maintenance



No disassembly

■ Do not splash water or wash the main unit.

(It may cause an electrical leakage, electric shock or malfunction.)



Prohibited

■ Do not allow water above 60 °C in temperature to pass through the Alkaline Ionizer.

(It may cause a burn.)

Accidental ingestion



Prohibited

■ Do not leave the supplied accessories within reach of infants or toddlers.

(Doing so may result in accessories being swallowed by mistake.)

● Consult a doctor immediately if you suspect that an accessory has been swallowed.

pH test liquid



Prohibited

■ Do not bring the pH test liquid near a naked flame.

(Doing so may cause it to ignite, causing a fire.)



Prohibited

■ Do not drink the pH test liquid or the water containing the test liquid or put in your eyes.

(Keep these liquids away from children.)

(Doing so may cause health problems.)

● If the reagent or water containing it has been accidentally swallowed, drink copious amounts of water; if it has made contact with your eyes, rinse thoroughly with clean water and, in either case, consult a doctor.

● Place the cap on the test liquid container, and keep it out of the reach of infants and toddlers.

安全注意事項

請務必遵守

為了預防對人、對財產造成損害，請務必遵守以下說明事項。

■ 若以錯誤方式使用將造成不同程度的危險和損害，以下分程度說明。

**警告**

「可能會造成死亡、或重傷危險可能性的內容」。

**注意**

「可能造成輕傷、或財產損失可能性的內容」。


■ 以下圖示代表須遵守的內容。(以下為圖示例。)

不可以做的「禁止」行為。

務必執行的「強制」行為。


警告

關於電源線、電源插頭

- 

禁止
- 請勿損壞讓電源線、電源插頭

(避免短路、絕緣不良、劣化等因素引起火災或觸電)


● 不用U型釘 () 固定 ● 不使之受損 ● 不加工 ● 不強行彎曲 ● 不扭折 ● 不拉扯 ● 不靠近發熱器具 ● 不放置重物 ● 不捆束 ● 不夾住 ● 不踩踏 等

● 從插座拔除電源插頭時，勿只拉電源線，請握著電源插頭部分拔掉。

● 電源線或電源插頭的維修事宜請洽經銷商。

- 請勿超載使用多孔插座或配線器具


(當多孔插座等超載使用時，會因發熱而釀成火災)

- 

禁止
- 請勿用濕的手插拔電源插頭

(避免發生觸電)

禁止手濕碰觸

- 

必須遵守
- 使用交流220 V – 240 V的電源

■ 請確實將電源插頭完全插入插座內

(避免發熱冒煙、引起火災、觸電)

● 請勿使用已損壞的插頭或鬆搖的插座。

- 請定期清除電源插頭上的灰塵等

(當插頭上堆積灰塵時，會因濕氣等造成絕緣不良而釀成火災)

● 請拔掉電源插頭，用乾布擦拭。

- 本體不小心掉落水中時，請先將電源插頭拔掉，再取出本體並停止使用

(避免發生觸電)

● 檢查、維修事宜請洽經銷商。

- 出現異常或故障時，請立刻停止使用，並拔掉電源插頭

(避免發熱冒煙、引起火災、觸電)

<異常、故障例>

● 顯示燈的顯示發生異常時 (P. 57)

● 運轉中發出異常聲響時


● 本體異常變熱或變形時

● 檢查、維修事宜請洽經銷商。

削除予定

警告

關於禁止分解


- 

禁止分解
- 請勿自行拆解、修理、改造

(避免發生火災或觸電)

● 檢查、維修事宜請洽經銷商。

關於使用的原水


- 

禁止
- 請勿使用合格飲用水(自來水等)以外的水源


(無殺菌力，且無法去除可過濾物質 (P. 3) 之外的有害物質，因此飲用後可能會危害身體健康)

注意


關於患病與體質

- 

禁止
- 患有腎臟病(腎功能不全和鉀排泄障礙)的人不可飲用鹼性離子水

(避免危害身體健康)
- 

禁止
- 患有體能、感官或智力減退，或缺乏經歷和知識之人士(含小孩)，在無人監護或未獲告知如何使用的情況下不得使用本產品。請勿讓小孩使用本產品。請將此使用說明書放於安全的位置。

(避免發生事故或危害身體健康)
- 

必須遵守
- 符合以下條件者，在飲用鹼性離子水前，請先諮詢醫師

(避免危害身體健康)

● 正在接受醫師治療者

● 患病者或身體虛弱者(感覺異常者)

● 腎功能不全和鉀排泄障礙以外的腎臟病患者
- 符合以下條件者，在使用酸性水前，請先諮詢醫師


(避免危害身體健康)

● 肌膚脆弱者

● 過敏體質者
- 剛開始飲用的方法，是先由「鹼1段」開始少量飲用(每天1杯 ~ 2杯)，繼續飲用2個星期左右，當身體適應後，再飲用「鹼2段」或「鹼3段」

(剛開始就飲用鹼性較高的鹼性離子水或大量(3杯以上)飲用的話，可能危害身體健康)

關於無法飲用、使用的鹼性離子水與用途

- 

禁止
- 請勿飲用符合以下條件的水

(避免危害身體健康)

● 酸性水

● 由排水管流出的水

● 水質顯示燈閃爍過程中由出水口流出的水
- 請勿直接飲用pH值超過10的水

(避免危害身體健康)

● 建議飲用pH值9.5左右的「鹼3段(日常飲用)」。

此外，1天的飲用量請控制在0.5公升至1公升的範圍內。

!

注意

關於無法飲用、使用的鹼性離子水與用途

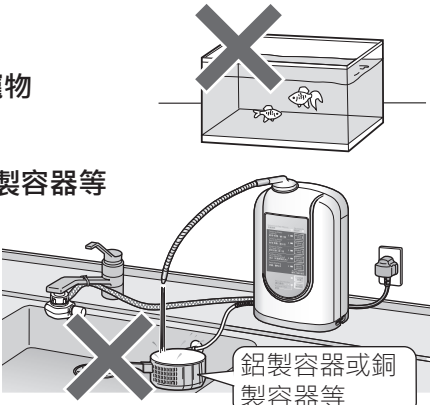
!

禁止

■ 請勿以鹼性離子水服用藥物
(避免危害身體健康)

■ 請勿使用鹼性離子水、弱酸性水或淨水養魚或寵物
(避免造成環境改變而導致養殖的魚類死亡)

■ 請勿使用不耐鹼性的鋁製容器或不耐酸性的銅製容器等
(避免容器變色、損傷)



鋁製容器或銅製容器等

!

必須遵守

■ 啟用時會流出殘留於本體內部的水
(避免危害身體健康)

每天的初次使用

約將0.6公升 (約15秒鐘) 的水通水後使用

停止使用2天以上時

約將8公升 (約3分鐘) 的水通水後使用

關於鹼性離子水和淨水的保存

!

必須遵守

■ 鹼性離子水或淨水於生成後請盡速使用，暫時放置不用時，請裝進乾淨的密閉容器內，常溫下可保存1天，雪櫃內可保存2天
(已去除殺菌劑 (氯氣等)，水容易變質，可能會危害身體健康)

感到異常時

!

必須遵守

■ 飲用鹼性離子水而感覺身體異常時，或者持續飲用仍未見症狀改善時，請停止使用，並諮詢醫師
(避免危害身體健康)

■ 使用酸性水而感覺肌膚異常時，請停止使用，並諮詢醫師
(避免危害身體健康)

關於設置場所

!

必須遵守

■ 請將本體設置在平坦的地方
(避免本體翻落，導致受傷)

■ 欲將本體壁掛使用時，請務必委託經銷商或水電行施工
(避免自行安裝，以防掉落或發生意外)

■ 壁掛設置的場所，必須選擇能夠承受6 kg以上重量的地方
如果壁掛安裝強度不夠，是導致電解水生成器掉落，造成事故以及廚房破損的原因

!

注意

關於設置場所

!

禁止

■ 請勿堵塞出水口，或彎曲凹折、扭曲、擠壓、拉扯、夾住水管
(避免漏水或故障)

■ 請勿在出水口或排水管的前端接用其他水管或器具
(避免漏水或故障)

■ 請勿使用鬆弛的出水管
(避免漏水或破損)
● 若發現鬆脫，請確實鎖緊。

■ 請勿安裝在沒有防逆流裝置 (水的防逆流裝置) 的熱水器上
(避免造成熱水器故障)

■ 請勿安裝在電熱水器 (熱水出口處無法關水的熱水器) 上
〔瞬間加熱電熱水器等〕
(避免造成電熱水器故障)

關於維修保養

!

禁止分解

■ 請勿用水潑灑或清洗本體
(避免造成漏電、觸電、故障)

關於熱水

!

禁止

■ 請勿讓超過60 °C的熱水流經本體
(避免造成燙傷)

關於不小心吞食

!

禁止

■ 請勿將配件放置在孩童手構得到的地方
(避免不小心吞食)
● 萬一不慎吞食時，請立刻諮詢醫師。

關於pH值測試液

!

禁止

■ 請勿將pH值測試液靠近火源處
(避免著火、發生火災)

■ 請勿將pH值測試液或含有測試液的水，飲用或滴入眼中
(尤其請注意兒童。)
(避免危害身體健康)
● 不慎誤飲時請喝大量的水，進入眼睛時請用水充分沖洗，並請諮詢醫師。
● 請務必蓋緊上蓋，並保管在孩童手構不到的地方。

Operating Precautions

Water supply

■ Do not run the following types of water through the Alkaline Ionizer.

(Doing so may shorten the service life of the cartridge.)

- Water which is very turbid
- Water containing a great deal of red rust

■ Do not run well water containing sea water or other salt content (from wells near coastal area) through the Alkaline Ionizer.

(Doing so may cause malfunction.)

■ To reduce the calcium and other substances attached in the main unit...

- Once a day, run acidic water through the Alkaline Ionizer for about a minute before use (otherwise calcium will build up on the main spout and along the water lines, hindering the passage of the water).

■ Depending on the region and water quality, it may not be possible to acquire the designated pH level.

Usage

■ Do not place this product upside down.

(Avoid causes that lead to malfunction.)

■ Do not connect the Alkaline Ionizer to a hot water-only faucet.

(Doing so may cause malfunction.)

■ The table below shows the temperatures of water that can be used. Use water at these temperatures.

(Failure to do so may cause damage or adhesion to the cartridge, resulting in part of the total trihalomethane being discharged.)

Position of bypass selector	Water temperature
Purified	Under 35 °C
Unpurified	Under 80 °C
Shower	

■ Do not lift the main unit by taking hold of the outlet pipe, or forcefully move the main unit.

(Doing so may cause damage.)

■ Do not use the unit continuously for more than 30 minutes to generate alkaline ion water or acidic water.

If it is operated for more than 30 minutes, electrolysis is stopped in order to protect the Alkaline Ionizer. (P. 56)

Three long beeps in succession are heard from the buzzer, and then purified water will come out from the spout.

→ Turn off the faucet, and wait approximately 3 minutes before using the unit again.

Installation location

■ Do not install the Alkaline Ionizer in any of the following locations.

- Near hot areas such as heating appliances (above 60 °C)
(Doing so may cause it to become deformed.)
- In an area in direct sunlight or where it may be exposed to wind and rain
(Doing so may cause incorrect operation or malfunctions.)
- Where it may freeze
(Doing so may cause cracking in the water pipes or cartridge.)
- Where it may be covered with oil
(Doing so may cause cracking in the case.)
- In a bathroom or where the Alkaline Ionizer will be exposed to water or steam
(Doing so may cause incorrect operation or malfunctions.)
- In areas lower than the kitchen counter (such as the floor)
(Doing so may cause insufficient draining of cleaning water through the pipes.)
- Near radios
(Doing so may generate static in the radio.)

■ Do not use a hose or other commercially available product to extend the water outlet.

(Doing so may cause malfunction.)

使用上的注意事項

關於使用的原水

■ 請勿讓符合以下條件的水通入本體。

(避免造成濾芯壽命變短)

- 嚴重混濁的水
- 鐵鏽過多的水

■ 請勿讓含有海水等鹽分的井水 (靠近海邊的井水) 通入本體。

(避免發生故障)

■ 為減少本體內鈣等物質附著...

- 每天一次，使用前約一分鐘，請以酸性水通水使用。(因出水口或通水管線內附著鈣物質時，出水狀況會惡化)

■ 依地區、原水水質的不同，可能有達不到指定pH值的情況。

關於使用方法

■ 請勿將本產品倒置。

(避免造成故障的原因)

■ 請勿安裝在熱水專用的水龍頭上。

(避免發生故障)

■ 可使用的溫度如下表。

請在此溫度下使用。

(避免發生故障，或釋放出附著於濾芯上之部分三鹵甲烷)

分水開關位置	水溫
Purified	不超過35 °C
Unpurified	不超過80 °C
Shower	

■ 請勿手持出水管，抬起本體勉強地往某方向移動。

(避免造成破損)

■ 請勿連續使用鹼性離子水或酸性水超過30分鐘。

使用超過30分鐘以上，機器保護裝置會停止電解作用。(P. 57)

發出「嘩嘩嘩」聲之後，從出水口流出的是淨水。

→ 請關閉水龍頭後，等約3分鐘再使用。

關於設置場所

■ 請勿安裝在以下場所。

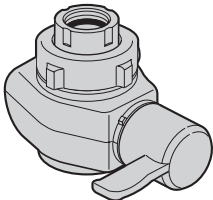







- 瓦斯爐等高溫處的附近 (超過60 °C)
(避免本體遇熱變形等)
- 日光直射或風吹雨打的地方
(避免發生錯誤運作或故障等)
- 可能會結凍的地方
(避免造成通路或濾芯裂損等)
- 油污容易黏附的地方
(避免外殼裂開等)
- 浴室或容易有水或蒸氣的地方
(避免發生錯誤運作或故障等)
- 比廚房流理臺更低的位置 (腳邊等位置)
(避免通水路的洗淨水排水不完全等)
- 收音機的附近
(收音機可能會摻入雜音)

■ 請勿使用市售的水管等延長出水口。

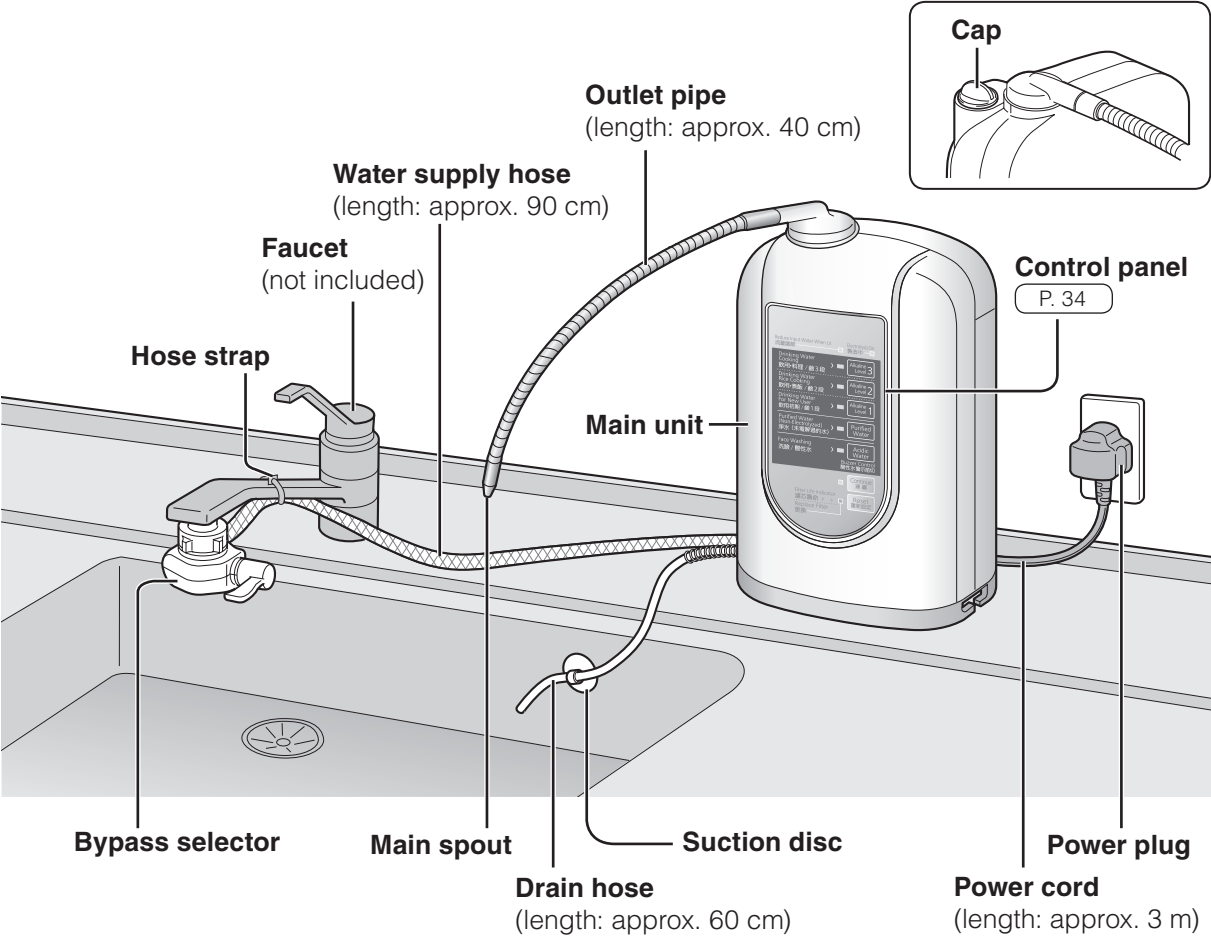
(避免發生故障)

Supplied Accessories/配件

Before using the Alkaline Ionizer, check that the following supplied accessories are accounted for. If any are missing, contact your dealer.
使用前請先查看下列的配件。若有品項不齊時，請向購買經銷商索取。

For Use in Attaching the Bypass Selector 分水開關安裝用	For Use in Installing the Main Unit 本體安裝用	Consumables 消耗品
 Bypass Selector 分水開關	 Hose Strap 軟管固定綁帶	
 Installation Adaptor (with 4 screws) 安裝轉接器 (附有四個螺絲)	 With gasket 附有墊片 Outlet Pipe 出水管	
 Bushing (with gasket) 密封套 (附有墊片)	 Suction Disc (for drain hose) 吸盤 (排水管用)	 pH Test Kit pH值測試液
	 Caution Label 注意標籤	

Names of the Parts and Steps to Take Before Operation



Steps to take before operation

1 Checking the faucet
P. 17

2 Attaching the bypass selector
P. 18 – 22

3 Installing the Alkaline Ionizer
P. 23 – 25

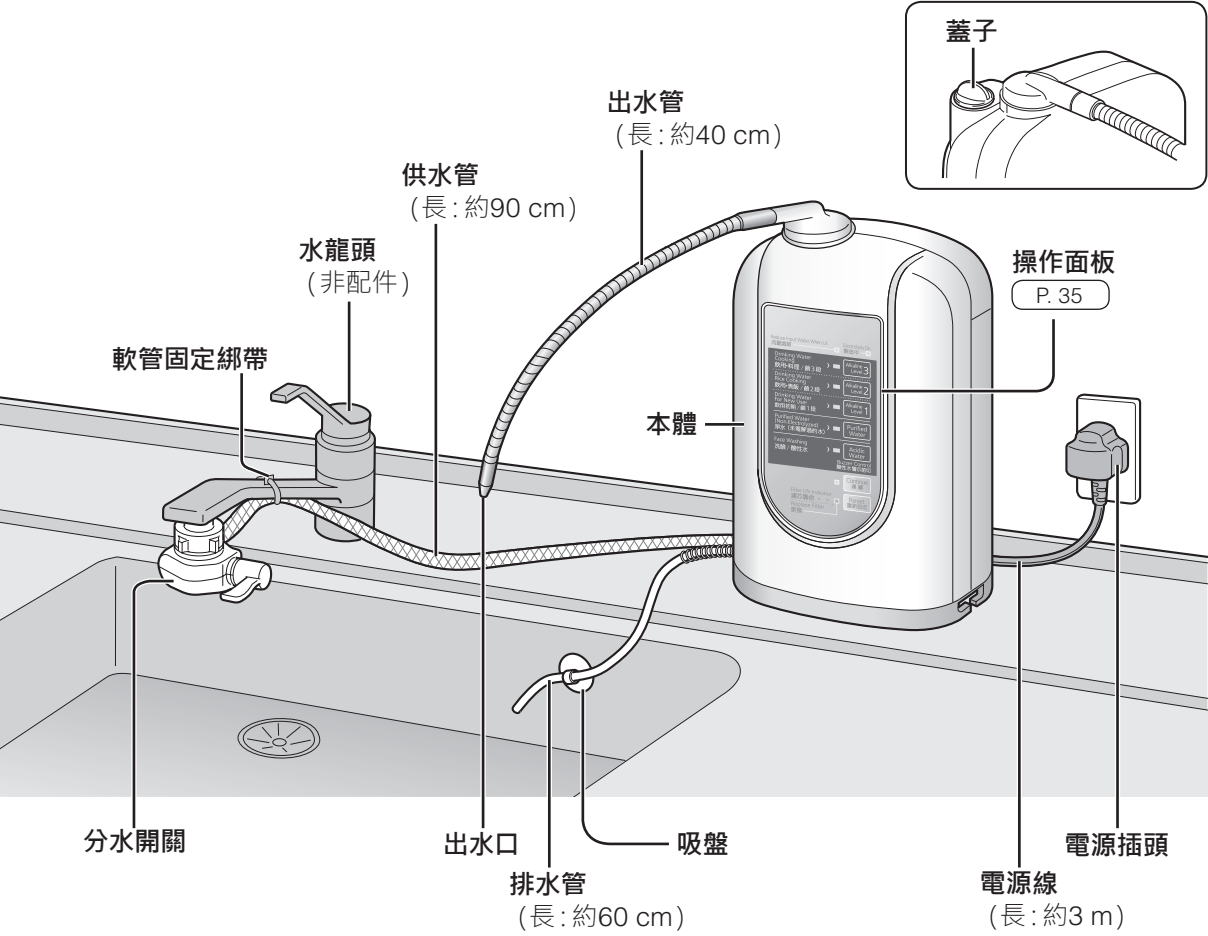
4 Checks after installation
P. 28 – 29

Run purified water through the Alkaline Ionizer for about 3 or 4 minutes (to expel the air inside the main unit)
● The water quality indicator lamp blinks for about 10 seconds – 40 seconds.

5 Measuring the pH level (ion concentration)
P. 30, 31

Operation P. 36 – 39

各配件名稱和準備



使用前的準備順序

- 1

查看水龍頭
P. 17
- 2

安裝分水開關
P. 18 ~ 22
- 3

安裝本體
P. 23、26 ~ 27
- 4

安裝後的確認
P. 28 ~ 29
以淨水通水約3分鐘 ~ 4分鐘
(為排出本體內的空氣)
●水質顯示燈閃燈約10秒 ~ 40秒
- 5

測定 pH 值(離子濃度)
P. 30、31

使用 P. 40 ~ 43

Checking the Faucet/查看水龍頭

Water faucet which can not install the Alkaline Ionizer
不能連接電解水生成器的水龍頭

- Faucet without a metal lip end
• 無金屬管唇端部的水龍頭

Plastic or other material
塑膠或其它材質
- Faucet with an end of 10 mm or less
• 水龍頭的端部在10 mm以下者

less than 10 mm
10 mm以下
- Shower nozzle
• 噴頭嘴
- Faucet with sensor
• 附傳感器的水龍頭

NOTE/注意

Faucet with a flaring end
端部呈喇叭形的水龍頭

- Water faucet which can attach the Alkaline Ionizer using options.
- 需用選購件才能將電解水生成器連接到水龍頭上。

Diameter of faucet end: 24 mm – 32 mm
水龍頭端部管徑: 24 mm ~ 32 mm

OPTION
Large-diameter Faucet Fitting
Model No.: P-06JRC
選購件
大型水龍頭用金屬蛇口
型號: P-06JRC

Attaching the Bypass Selector/安裝分水開關

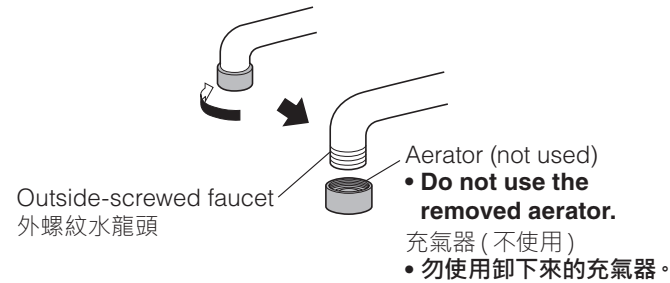
- Keep all parts that are not used during installation, as they may be needed later if the unit is moved or the faucet is changed.
- 沒有使用到的零件，請妥善保存，以備搬家或購買新水龍頭時之需求。

Outside-screw faucet

- Water faucet which can attach the Alkaline Ionizer without an accessory.

外螺紋水龍頭時

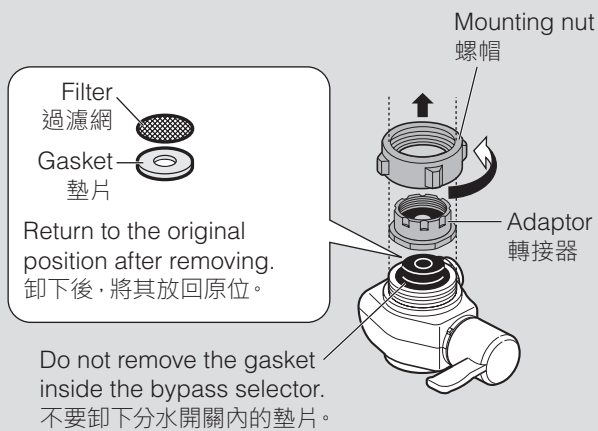
- 不需附件即可將電解水生成器連接至水龍頭上。



1 Remove the mounting nut and adaptor.

卸下螺帽和轉接器。

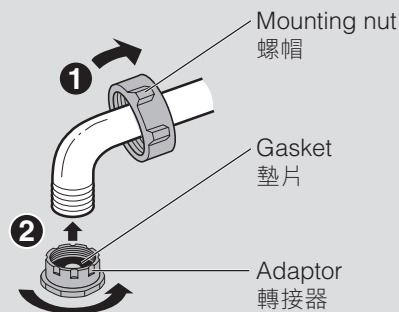
- When the filter or gasket (made of metal) drops off, please return to the original position (P. 47).
- 過濾網、墊片 (金屬製) 脫落時，請恢復原狀 (P. 47)。



Do not remove the gasket inside the bypass selector. 不要卸下水開關內的墊片。

2 Attach the mounting nut and adaptor.

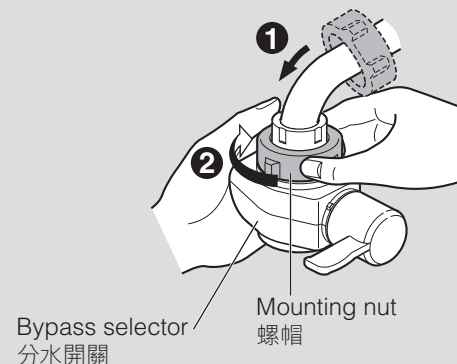
安上螺帽和轉接器。



3 Attach the bypass selector and tighten the mounting nut.

安上分水開關，然後緊固螺帽。

- Do not use any tools. (This may damage the mounting nut.)
- 不必使用任何工具。(這會損壞螺帽。)



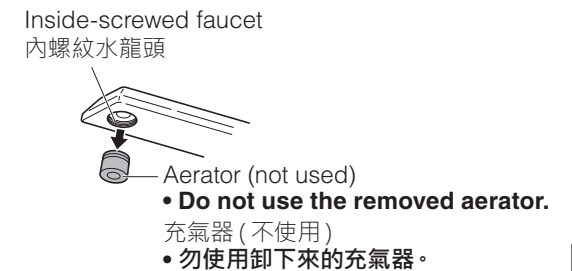
- Keep all parts that are not used during installation, as they may be needed later if the unit is moved or the faucet is changed.
- 沒有使用到的零件，請妥善保存，以備搬家或購買新水龍頭時之需求。

Inside-screw faucet

- Water faucet which can attach the Alkaline Ionizer with an accessory.

內螺紋水龍頭時

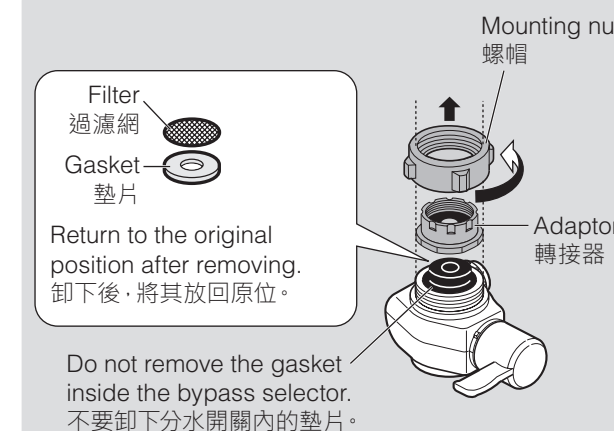
- 需用一附件才能將電解水生成器連接至水龍頭上。



1 Remove the mounting nut and adaptor.

卸下螺帽和轉接器。

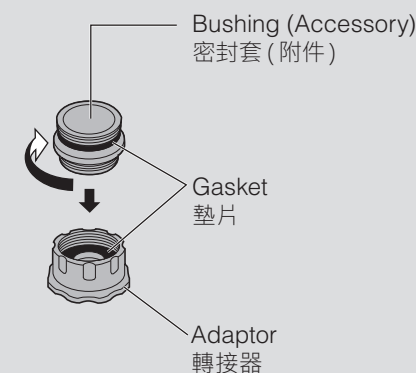
- When the filter or gasket (made of metal) drops off, please return to the original position (P. 47).
- 過濾網、墊片 (金屬製) 脫落時，請恢復原狀 (P. 47)。



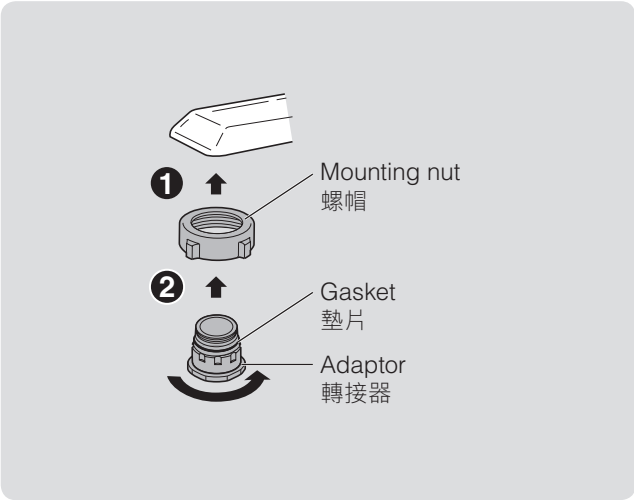
Do not remove the gasket inside the bypass selector. 不要卸下水開關內的墊片。

2 Screw in the bushing. Insert into the adaptor.

擰入密封套。插入轉接器。

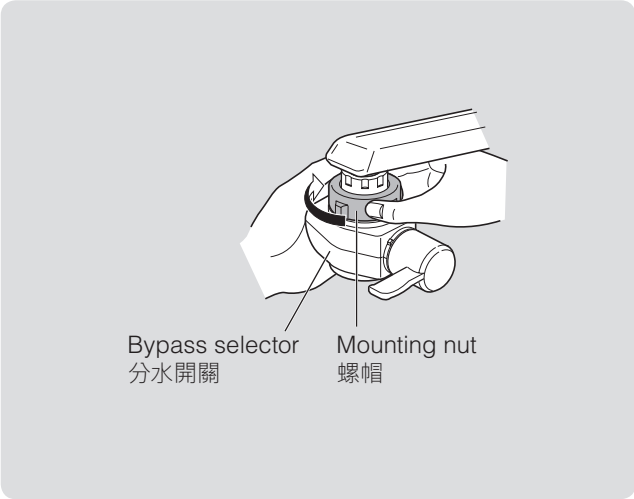


Attaching the Bypass Selector (continued)/安裝分水開關 (接續)



3 Attach the mounting nut and adaptor. 安上螺帽和轉接器。

- The adaptor should be screwed on straight. Screwing it on tilted may strip the threads, resulting in water leaks.
- 要將轉接器垂直擰緊。斜著擰入的話，會損壞其螺紋，造成漏水。



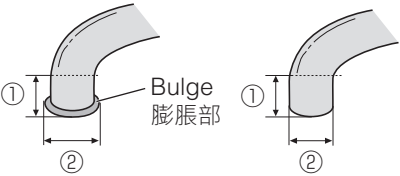
4 Attach the bypass selector and tighten the mounting nut. 安上分水開關，然後緊固螺帽。

- Do not use any tools. (This may damage the mounting nut.)
- 不必使用任何工具。(這會損壞螺帽。)

- Keep all parts that are not used during installation, as they may be needed later if the unit is moved or the faucet is changed.
- 沒有使用到的零件，請妥善保存，以備搬家或購買新水龍頭時之需求。

Faucet without an aerator

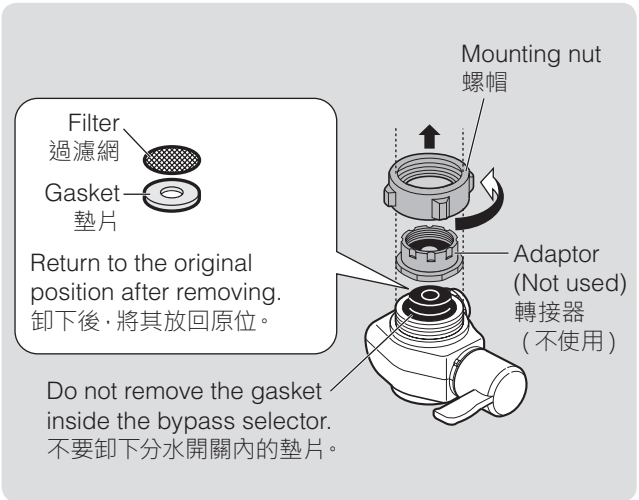
- Water faucet which can attach the Alkaline Ionizer with accessory.
- 無充氣器的水龍頭時，需用一附件才能將電解水生成器連接到水龍頭上。



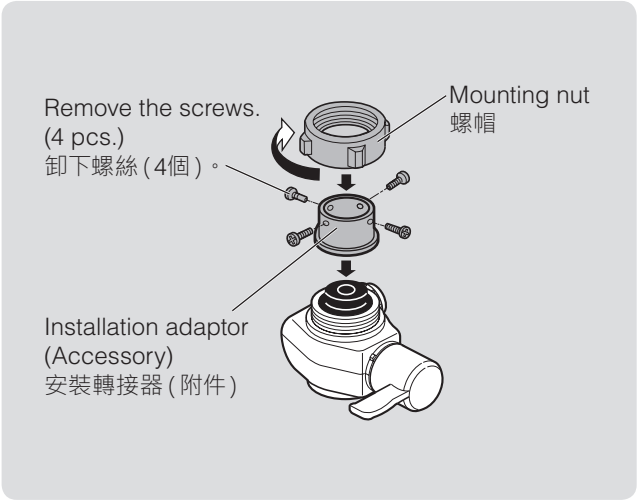
- ①more than 10 mm
- ②greater than 13 mm, less than 24 mm
- ①10 mm以上
- ②在13 mm ~ 24 mm之間

1 Remove the mounting nut and adaptor. 卸下螺帽和轉接器。

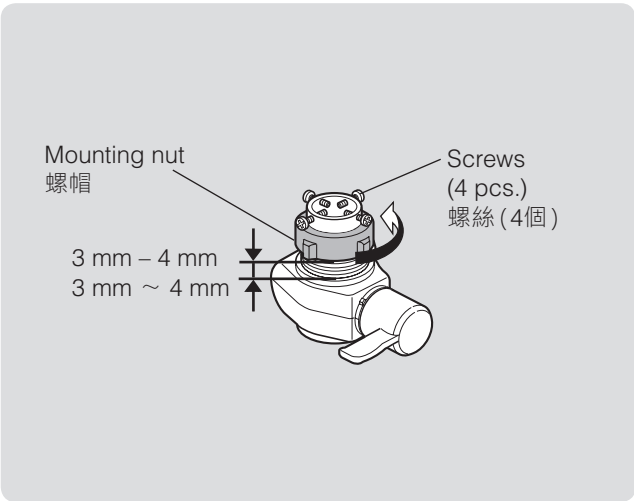
- When the filter or gasket (made of metal) drops off, please return to the original position (P. 47).
- 過濾網、墊片(金屬製)脫落時，請恢復原狀 (P. 47)。



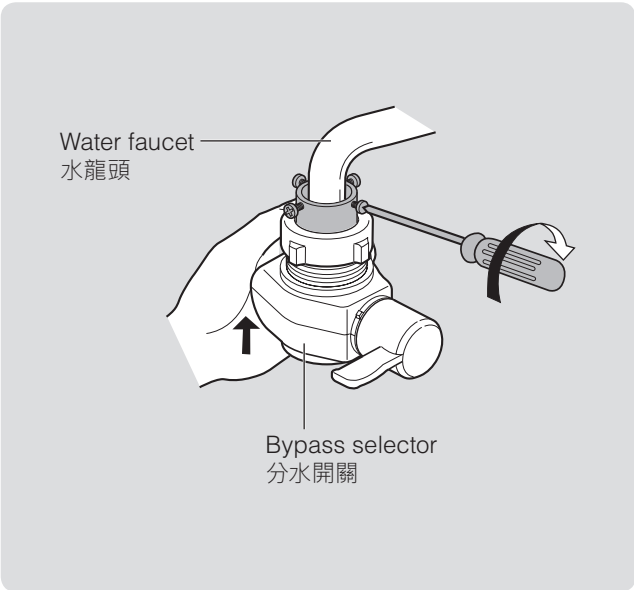
2 Insert the installation adaptor, and tighten it with the mounting nut. 插入安裝轉接器並用螺帽將其緊固。



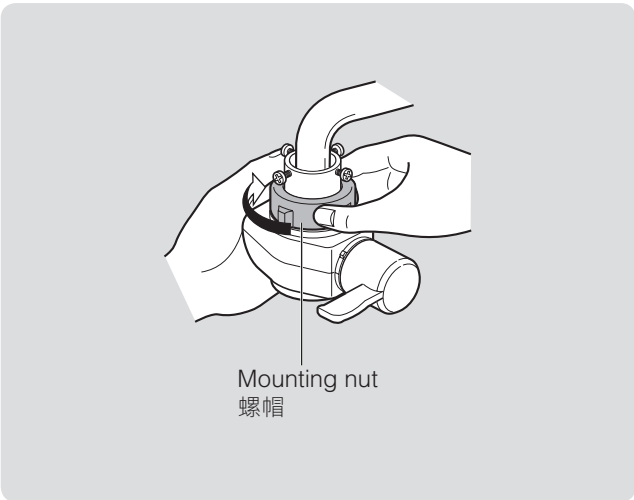
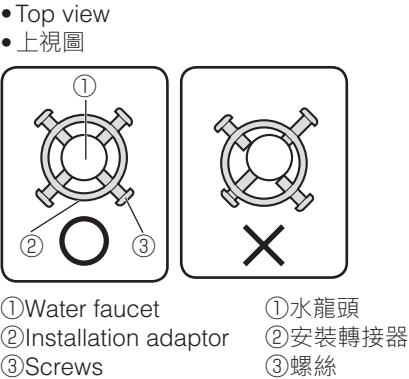
Attaching the Bypass Selector (continued)/安裝分水開關 (接續)



3 Tighten the 4 screws temporarily and loosen the mounting nut to leave a 3 mm – 4 mm gap.
先暫時緊固4個螺絲，然後再鬆動螺帽，留出3 mm ~ 4 mm的空隙。



4 Push the bypass selector against the faucet and install the 4 screws as shown below.
將分水開關用力推入到水龍頭上並用下述4個螺絲加以固定。



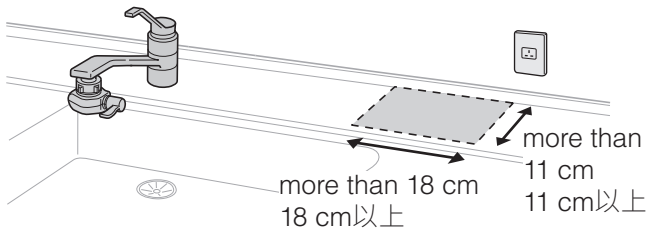
5 Tighten the mounting nut securely.
牢固地緊固好螺帽。

- Do not use any tools. (This may damage the mounting nut.)
- 不必使用任何工具。(這會損壞螺帽。)

Installing the Alkaline Ionizer/安裝本體

Preparations/準備

1 Choose a stable, level surface
選擇平坦、穩定的安裝場所



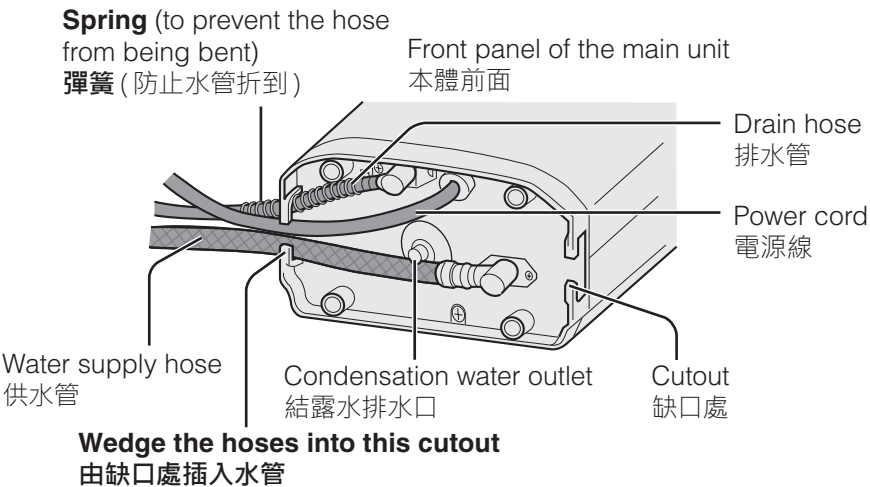
2 Extend the power cord and hose in the manner that best suits the location where the unit is installed.

配合設置場所
拉出電源線、水管

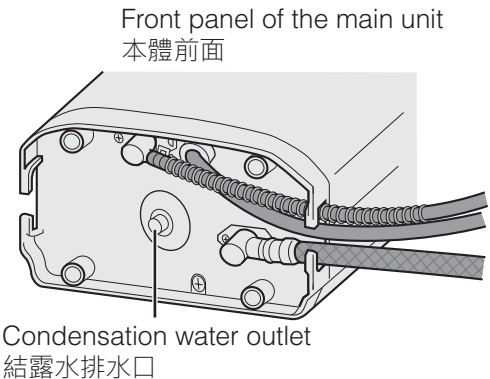
- Do not flatten or bend the cord or hose.
- 請勿壓扁或曲折

Bottom of the main unit/本體底面

When extending the cord and hose from the left/從左側拉出的狀況



When extending the cord and hose from the right/從右側拉出的狀況

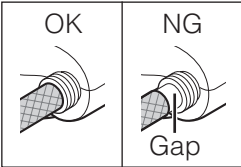


Installing the Alkaline Ionizer (continued)

1 After completing the preparations, connect the water supply hose.

1 Remove the hose fastening nut from the bypass selector, and pass the hose through the nut.

2 Insert the water supply hose into the bypass selector as far as it will go.



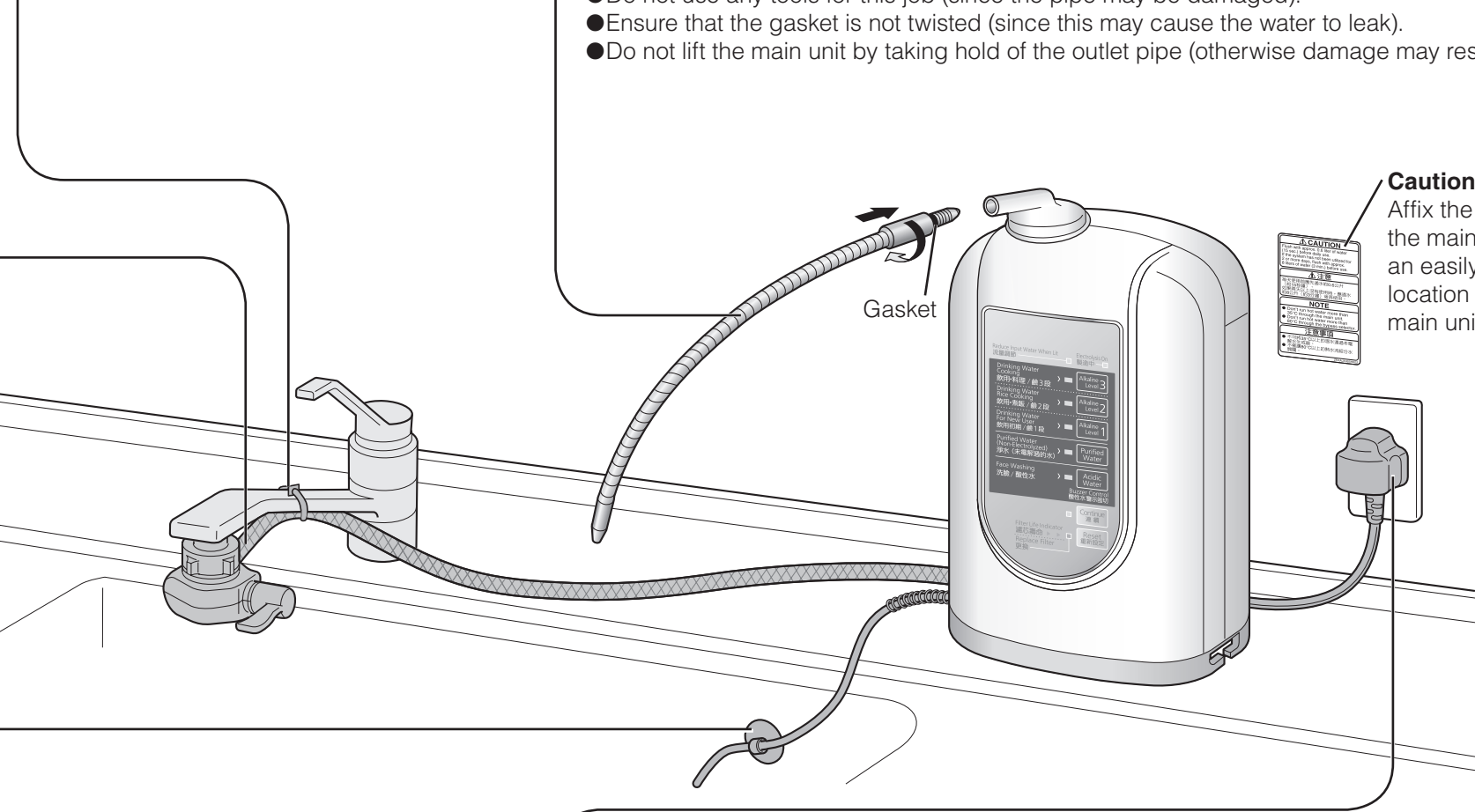
3 Tighten up the hose fastening nut securely.

- Do not use any tools for this job (since the hose fastening nut may be damaged).

2 Secure the water supply hose (using the hose strap)

3 Screw in the outlet pipe until it is secured firmly.

- Do not use any tools for this job (since the pipe may be damaged).
- Ensure that the gasket is not twisted (since this may cause the water to leak).
- Do not lift the main unit by taking hold of the outlet pipe (otherwise damage may result).

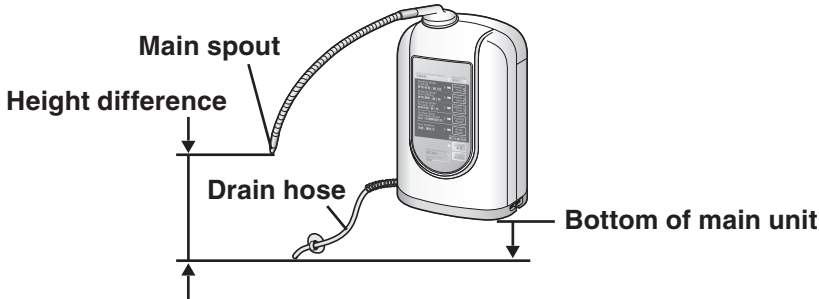


Caution label
Affix the label on the main unit or at an easily viewable location near the main unit.

4 Secure the drain hose using the suction disc.

- Secure the hoses so that they will not move out of place.

Installation position



The tip of the drain hose must be below the level of the bottom of the main unit and the difference in height between the main spout and tip of the drain hose must be greater than **10 cm and less than 50 cm** (so that the appropriate pH level (ion concentration) is achieved).

5 Connect the power plug to the power outlet (AC 220 V – 240 V).

- The buzzer beeps three times and the water quality indicator lamp lights up at purified water.
- The Alkaline Ionizer's power consumption is 1 W even in the standby status.

Important

- After installing the Alkaline Ionizer, run purified water through the unit for about 3 or 4 minutes to expel the air inside the main unit.
- The power plug is normally kept connected to the power outlet (to keep the automatic electrode cleaning function working).

Note

- If the hose is too long, it is recommended that you cut it to the proper length (cut it straight down).
- Immediately after the Alkaline Ionizer has been installed, the water quality indicator lamp blinks for about 10 seconds – 40 seconds when water is run through the Alkaline Ionizer. P. 15

安裝本體 (接續)

1 準備完畢時 連接供水管

1 由分水開關拆掉水管的螺帽，使供水管疏通

2 供水管插入到底

正確範例

錯誤範例

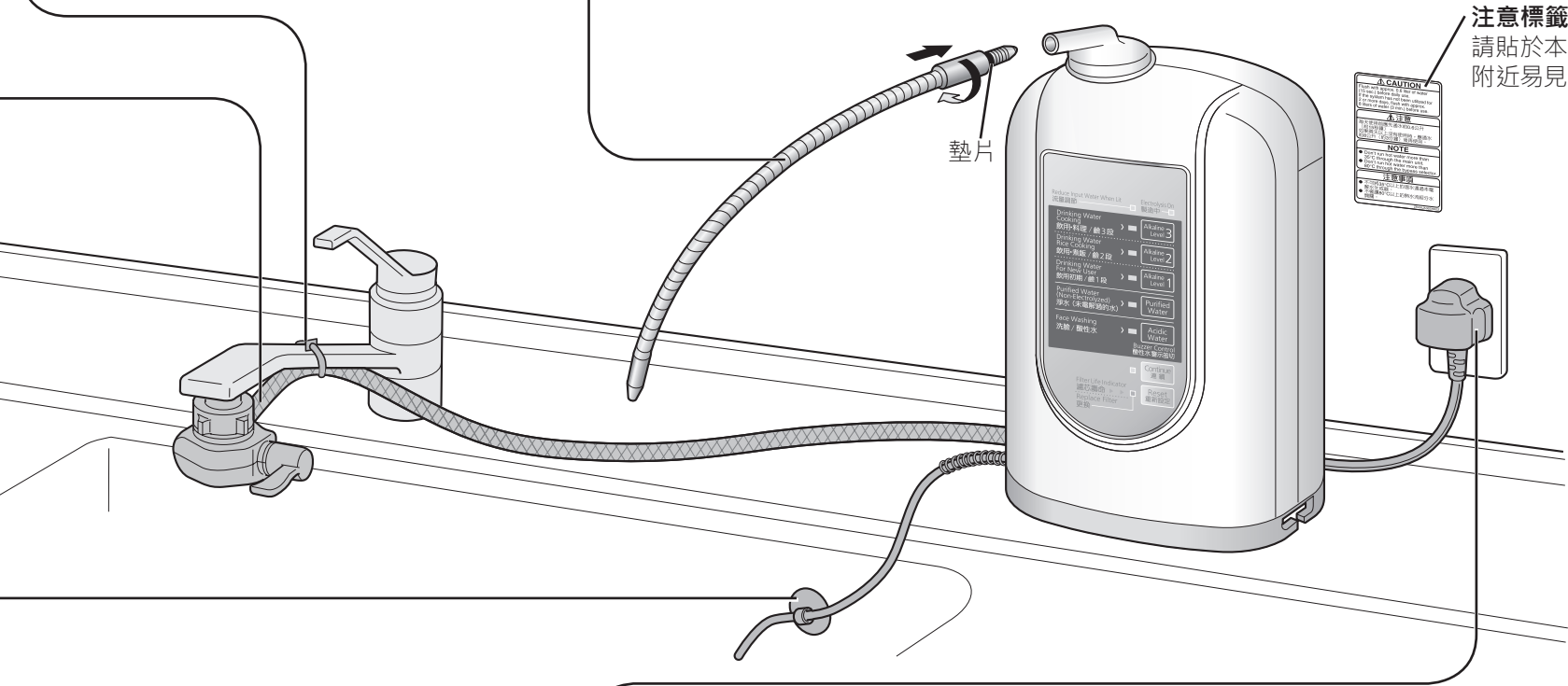
3 確實鎖緊水管的螺帽

●請勿使用工具
(避免鎖上水管的螺帽損壞)

2 固定供水管 (使用軟管固定綁帶)

3 確實鎖入出水管到底為止

- 請勿使用工具。(避免損壞的原因)
- 請勿扭曲墊片。(避免造成漏水的原因)
- 請勿手持出水管，將本體往上抬起。(避免造成損壞的原因)



4 使用吸盤固定排水管

- 請固定水管避免搖晃。

安裝位置

出水口

高低差

排水管

本體底面

排水管的頂端必須低於本體底面和主出水口與排水管頂端的高低差必須大於10 cm但小於50 cm，如此才可得到適當的pH值(離子濃度)。

5 插入電源插頭 (交流電源220 V ~ 240 V)

- 警示聲響三次，並在淨水時亮起水質顯示燈。
- 待機時間約消耗1 W的電力。

注意事項

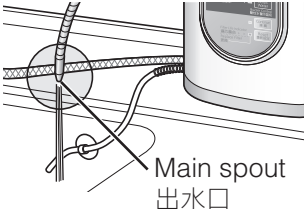
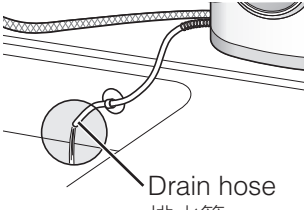
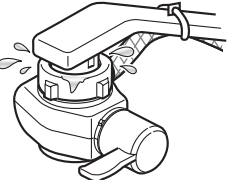
- 設置後，請通過3分鐘 ~ 4分鐘淨水，排出本體內的空氣。
- 平常請勿拔掉電源插頭。
(為能運轉電極自動洗淨機能)

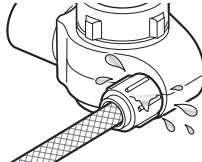

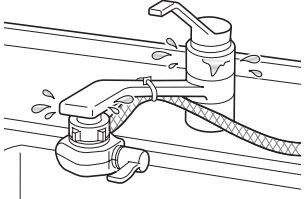
告知

- 當水管過長時，建議您將水管剪短使用。(剪短時，請直線切除。)
- 設置後通水時，水質顯示燈會閃燈約10秒 ~ 40秒。 P. 16

Checks after installation/安裝後的確認

After installing the Alkaline Ionizer, run water through it, check the following, and take the suggested action if there is any trouble.
設置後請確認以下項目，發現異常時請參閱各部位處理方式。

Check item 確認項目	Trouble inspection location and remedial action 異常時檢查項目與處置	Reference page 參閱頁數
Is water coming out of the main spout? 出水口是否有水流出 	<ul style="list-style-type: none">● Is the water supply hose bent or flattened? → If it is, straighten it out.● 供水管是否扭曲變形。 → 請拉直使用。	23 – 25 23 26 27
Is water coming out of the drain hose when purified water has passed through the Alkaline Ionizer? 淨水通水時，排水管是否有水流出 	<ul style="list-style-type: none">● Is the drain hose bent or flattened? → If it is, straighten it out.● 排水管是否扭曲變形。 → 請拉直使用。	23 – 25 23 26 27
Is any water leaking from where the bypass selector is connected? 分水開關連接處有無漏水 	<ul style="list-style-type: none">● Has the bypass selector been installed securely on the faucet? → Check again the instructions for “Attaching the Bypass Selector”, and install it securely.● Have the parts inside the bypass selector been inserted properly? → If not, install them properly.● 是否確實安裝分水開關於水龍頭上。 → 請再度確認「安裝分水開關」並確實安裝。● 分水開關內的配件是否正確放入。 → 請正確安裝配件。● Are there any cracks at the end of the faucet (in the insulating cap, for instance)? → Consult a plumber.● 水龍頭的前端 (斷熱蓋頭等) 是否有破損斷裂。 → 請洽談水電行。	18 – 22 —

Check item 確認項目	Trouble inspection location and remedial action 異常時檢查項目與處置	Reference page 參閱頁數
Is there any water leaking from where the water supply hose is connected? 供水管連接處有無漏水 	<ul style="list-style-type: none">● Has the water supply hose been attached securely to the bypass selector? → Insert it as far as it will go, and use the hose fastening nut to secure it.● 供水管是否確實安裝於分水開關。 → 請插入到底並以螺帽鎖緊水管。	24 26
Is there any water leaking from where the outlet pipe is connected? 出水管連接部位是否漏水 	<ul style="list-style-type: none">● Has the outlet pipe been attached securely to the main unit? → Insert it securely as far as it will go.● Is the gasket installed on the outlet pipe or is it twisted? → Install the gasket properly.● 出水管是否確實安裝於本體上。 → 請確實鎖入到底為止。● 出水管上是否有墊片附著或者有無扭曲變形。 → 請正確安裝墊片。	25 27
Is water leaking from the faucet? 水龍頭是否漏水 	<ul style="list-style-type: none">● Is the gasket on the faucet old? → Consult a plumber.● Are there any cracks in the faucet (in the insulating cap, for instance)? → Consult a plumber.● 水龍頭的墊片是否已經老化。 → 請洽談水電行。● 水龍頭 (斷熱蓋頭等) 是否有出現裂縫。 → 請洽談水電行。	—

Measuring the pH Level (Ion Concentration)/測定pH值(離子濃度)

After the Alkaline Ionizer has been installed or after it has not been used for a prolonged period (generally, a week or more), be absolutely sure to measure the pH level, and check that it is within the "pH standard" before using the Alkaline Ionizer.
Remember to measure the pH level periodically (at least once a month).
設置後或長時間(標準:約一週以上)停止使用時,務必測試pH值,請確認是否為「pH的標準」範圍內後再使用。日後請定期測試(一個月一次以上)。

What to have ready: pH test kit (supplied accessory)/準備的物品: pH值測試液(配件)

■ Procedure for measurement/測試的方法

1 Allow two drops of the pH test liquid to drip into the test cup. 滴2滴pH試劑於試杯內

- The pH level cannot be measured accurately if more than two drops are used.
- 2滴以外無法正確判定結果。



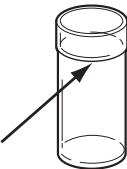
2 Run water treated by the Alkaline Ionizer (alkaline ion water or acidic water) through for at least 10 seconds

(so that a stable pH level will be measured).
讓生成水(鹼性離子水或酸性水)流水超過10秒以上
(為了測試穩定的pH值)

3 Pour the test water into the test cup. 將測試水倒入試杯內

- If some of the test water is first collected in a glass and then poured into the test cup, it will be easier to align the level with the line inside the test cup.
- So long as the water inside the test cup is within 5 mm above or below the line, no problems will be posed in the pH level measurement: there is no need to adjust the level until it comes up to the exact level of the line.
- 事先將測試水放入杯內等再倒入採水試杯內,較容易核對杯上標準線條。
- 倒入水量,只要在杯線約5 mm上下的範圍內,都能判定結果,不必配合杯線重新測定。

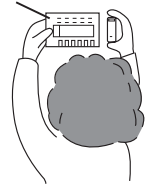
Pour the water until it is near the line inside the test cup
倒入至杯線為止



4 Under the enough light, compare the result with the pH Chart. 在光線明亮的地方與pH值圖表相比較

- The color of the test water will change as time passes. Compare its pH level against the pH Chart right away.
- 經過一段時間測試水的顏色會產生變化。請勿置放過久時間立即與pH值圖表比對測試結果。

pH Chart
pH值圖表



pH standard
pH值標準

Alkaline Level 3/鹼3段	9 ~ 10
Alkaline Level 2/鹼2段	8.5 ~ 9.5
Alkaline Level 1/鹼1段	8 ~ 9
Acidic Water/酸性	5 ~ 6.5

Important

- The pH level cannot be measured accurately using litmus paper available on the market. Be absolutely sure to measure it using the pH test kit.
- To dispose of the pH test liquid, dilute it with water before pouring it down the drain.
- The pH test liquid and pH Chart will become discolored if they are exposed to sunlight so store them in a dark place.

注意事項

- 使用市面的石蕊測試紙等無法正確測試。務必以pH值測試液來檢測水質。
- 丟棄pH試劑的原液時,請先以水稀釋。
- pH試劑以及pH值圖表受到陽光照射後會變色,因此請將其保管在避光之處。

Note

- The pH test kit is for measuring the rough pH level.
※The main components of the reagent are ethanol, methyl red, bromothymol blue and phenolphthalein.
- Depending on the water quality, the water treated by the Alkaline Ionizer may not be within the pH standard range or the alkaline ion water may not be alkaline (a liquid which appears blue or dark blue may change to a green or yellow color).
※In addition, when the unpurified water is measured, the color of the test water may differ from what is on the pH Chart (due to the effects of carbonic acid or other components in the water).
- If the pH level is high, change the water quality to weak alkaline or mix the water with purified water before using it.
- When the cartridge is new (about a week old), the pH level may be somewhat higher: this is normal and does not indicate any trouble.

告知

- 此pH值測試液為測試pH標準值的藥劑組。
※藥劑的主要成分為乙醇、甲基紅、溴化麝香草酚藍和酚酞。
- 依水質,生成水的pH值會有可能不在「pH的標準」範圍,或者鹼性離子水不呈現鹼性(由藍色或深藍的液體,轉變為綠色或黃色)的情況發生。
※另外,測試原水時,測試水的顏色將依pH值圖表而不同。(受到水中碳酸與各種成分的影響)
- pH值過高時,請切換為弱鹼性水質與淨水混合使用。
- 使用新的濾芯(約一週)時,pH值會有稍微偏高的狀況發生,非異常現象。

Before Operation

Tips on operating the Alkaline Ionizer (using it to suit the intended application)

Alkaline ion water:

- The pH level of alkaline ion water increases by about 0.5 per setting in the following sequence: Alkaline Level 1 → Alkaline Level 2 → Alkaline Level 3. In these instructions, "Alkaline Levels 1 to 3" are collectively referred to as "Alkaline".
- Keep the amount of water consumed daily at around 0.5 liter to 1 liter at the "Alkaline Level 3".

Application	pH standard
<div>Alkaline Level 3</div> Drinking water in daily life For coffee, black tea, green tea, boiling or stewing food, cooking food in pots at the table, soups	9 – 10
<div>Alkaline Level 2</div> Drinking water for Experienced user When cooking rice	8.5 – 9.5
<div>Alkaline Level 1</div> Drinking water for new user When starting to drink alkaline ion water (first two weeks or so)	8 – 9

Drinking Water Cooking
飲用・料理 / 鹼 3 段

Drinking Water Rice Cooking
飲用・煮飯 / 鹼 2 段

Drinking Water For New User
飲用初期 / 鹼 1 段

Purified Water (Non-Electrolyzed)
淨水 (未電解過的水)

Face Washing
洗臉 / 酸性水

Alkaline Level 3

Alkaline Level 2

Alkaline Level 1

Purified Water

Acidic Water

Buzzer Control
酸性水警示笛切

Continue 連續

Reset 重新設定

Filter Life Indicator
濾芯壽命 ▶▶▶▶▶
Replace Filter 更換

Purified water:

- This is filtered water which contains minimal impurities.

Applications **Medicine, baby formula**
(for taking medicine or diluting baby formula, etc.)

The water has not been subjected to electrolysis.

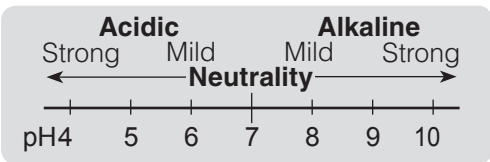
Acidic water:

- The mild acidity of this water is close to the acidity of the human skin.

Application **Washing the face**

pH standard **5 to 6.5**

Note
● **What is the pH level (ion concentration)?**
The pH level indicates the degree of alkalinity, neutrality or acidity of water (aqueous solutions), and stands for "hydrogen ion exponent."



使用前

為了使用方便 (請配合用途使用)

鹼性離子水

- 「鹼1段」「鹼2段」「鹼3段」的順序・pH值約0.5左右逐漸增強。此份使用說明書將依鹼1 ~ 3段總稱「鹼」表示。
- 一日的標準飲用量為・請以「鹼3段」0.5公升到1公升為飲用的標準。

用途	pH值標準
<div>Alkaline Level 3</div> 日常飲用 咖啡・紅茶・綠茶・煮菜・火鍋・煮湯等	9 ~ 10
<div>Alkaline Level 2</div> 習慣飲用 炒菜・煮飯時	8.5 ~ 9.5
<div>Alkaline Level 1</div> 飲用初期 初次飲用鹼性離子水時 (約2週左右)	8 ~ 9

Drinking Water Cooking
飲用・料理 / 鹼 3 段

Drinking Water Rice Cooking
飲用・煮飯 / 鹼 2 段

Drinking Water For New User
飲用初期 / 鹼 1 段

Purified Water (Non-Electrolyzed)
淨水 (未電解過的水)

Face Washing
洗臉 / 酸性水

Alkaline Level 3

Alkaline Level 2

Alkaline Level 1

Purified Water

Acidic Water

Buzzer Control
酸性水警示笛切

Continue 連續

Reset 重新設定

Filter Life Indicator
濾芯壽命 ▶▶▶▶▶
Replace Filter 更換

所謂淨水

- 過濾過雜質較少的水

用途 **服藥・沖泡牛奶用**
(藥物服用時或沖泡牛奶等飲用)

不經電氣分解

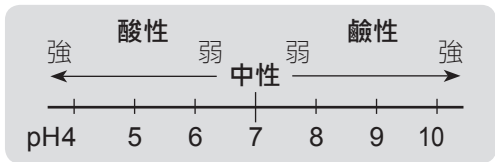
所謂酸性水

- 近肌膚的酸性水

用途 **洗臉**

pH值的標準 **5 ~ 6.5**

告知
● **何謂pH值(離子濃度)?**
示水(水溶液)的鹼性・中性・酸性的程度・等同離子指數。



Control Panel Parts and Their Functions

Reduce Input Water When Lit
流量調節

Electrolysis On
製造中

Drinking Water Cooking
飲用・料理 / 鹼3段

Drinking Water Rice Cooking
飲用・煮飯 / 鹼2段

Drinking Water For New User
飲用初期 / 鹼1段

Purified Water (Non-Electrolyzed)
淨水 (未電解過的水)

Face Washing
洗臉 / 酸性水

Alkaline Level 3

Alkaline Level 2

Alkaline Level 1

Purified Water

Acidic Water

Buzzer Control
酸性水警示笛切

Continue
連續

Filter Life Indicator
濾芯壽命

Replace Filter
更換

Reset
重新設定

Water Flow Adjustment Lamp (Red)
This lamp will blink when the water flow from the main spout is too large.
(P. 38)

Generating Lamp (Yellowish-green)
This lamp is lit when the main unit is generating alkaline ion water or acidic water. (P. 36, 37)
If it is not lit while water is running through, that means the main unit is not electrolyzing, so the water coming out is purified water.

Water Quality Selector Buttons
Selects the water quality. (P. 36)

Water Quality Indicator Lamps
This indicates the quality of the water coming from the main spout. (P. 36)

Continue Button • Lamp (Yellowish-green)
Press this button to continue to use the same water quality. (P. 36, 37)

Reset Button
Press this button after replacing the cartridge. (P. 53)

Cartridge Life Lamps (Yellowish-green, Yellow)
These indicate the operating life of the filter. (P. 50)
These indicators light up when water is running through the main unit and for approximately 30 seconds after the water flow is stopped.

Cartridge Replacement Lamp (Red)
This lamp informs you when it is time for replacement. (P. 50, 53)

●About the Indicator Lamps on the Control Panel

This instruction manual will show the state of lamps on the control panel as follows:

[Lamp not Lit]	[Lamp Lit]	[Lamp Blinking]
□	■	⚡

操作面板的名稱和功能

Reduce Input Water When Lit
流量調節

Electrolysis On
製造中

Drinking Water Cooking
飲用・料理 / 鹼3段

Drinking Water Rice Cooking
飲用・煮飯 / 鹼2段

Drinking Water For New User
飲用初期 / 鹼1段

Purified Water (Non-Electrolyzed)
淨水 (未電解過的水)

Face Washing
洗臉 / 酸性水

Alkaline Level 3

Alkaline Level 2

Alkaline Level 1

Purified Water

Acidic Water

Buzzer Control
酸性水警示笛切

Continue
連續

Filter Life Indicator
濾芯壽命

Replace Filter
更換

Reset
重新設定

流量調節顯示燈 (紅色)
從出水管排出的水，如果流量過多時，燈會閃爍顯示。
(P. 42)

製造中顯示燈 (黃綠色)
亮起時表示本機正在製造鹼性離子水或酸性水。
(P. 40、41)
使用淨水、在通水時燈會熄滅，此時未進行電解作用。

水質轉換鈕
轉換水質。(P. 40)

水質顯示燈
指示從出水管排出的水質。(P. 40)

連續鈕・顯示燈 (黃綠色)
連續使用相同水質時請按此鈕。(P. 40、41)

重新設定鈕
濾芯更換後按壓。(P. 53)

濾芯壽命顯示燈 (黃綠色、黃色)
告知濾芯的壽命。(P. 50)
於水流動時及水停止後約30秒鐘點亮。

濾芯更換顯示燈 (紅色)
告知濾芯更換時間。(P. 50、53)

●關於操作面板顯示燈的指示

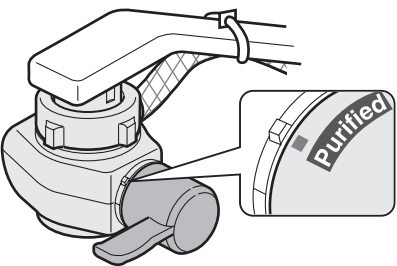
在本說明書內，操作面板顯示燈的指示如下述所示：

[熄滅]	[點亮]	[閃爍]
□	■	⚡

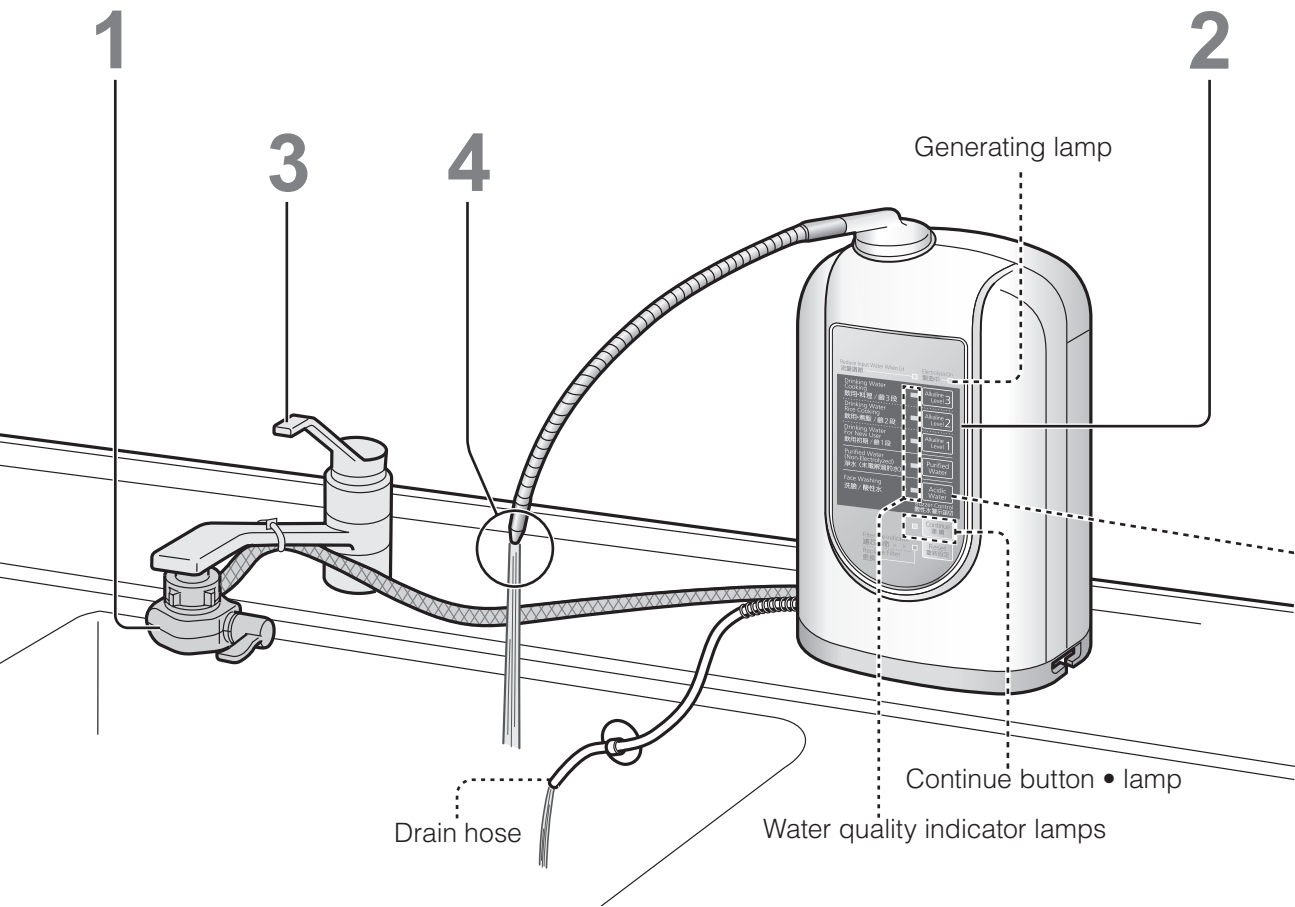
Operation

Using alkaline ion water, acidic water or purified water

- 1 Set the bypass selector to "Purified".
- 2 Press the water quality selector button corresponding to the type of water required.
 - The buzzer beeps, and the water quality indicator lamp lights.
- 3 Open the faucet.
 - The water quality indicator lamp blinks.



Water quality selector button	Application	Water quality indicator lamp
Alkaline Level 3	Drinking water in daily life	Yellowish-green
Alkaline Level 2	Drinking water for Experienced user	
Alkaline Level 1	Drinking water for new user	
Purified Water	Medicine, baby formula	Yellowish-green
Acidic Water	Washing the face	Red



- 4 Start using the Alkaline Ionizer.
 - The water quality indicator lamp lights, and the buzzer beeps three times, indicating that the Alkaline Ionizer is now ready to be used. While Alkaline or acidic water is selected, the generating lamp lights.
 - While acidic water is selected, the warning buzzer (**acidic buzzer**) continues to beep to warn you not to drink the water by mistake.

While alkaline ion water is selected

Acidic water comes out of the drain hose.

While purified water is selected

While acidic water is selected

Purified water comes out of the drain hose (do not drink this water).

Alkaline ion water comes out of the drain hose (do not drink this water).

Continue button

This button is useful when continuing to use the Alkaline Ionizer to produce the same water quality.

- Use it:
- When washing rice
 - When filling glasses with water and drinking more than one glass of water, etc.

After pressing the selector button ("Alkaline" or "Purified Water") for the water quality to be used, press the Continue button. (The Continue lamp lights.)

While the lamp is lit, turn off the faucet, and then turn it back on. This will make it possible to use the Alkaline Ionizer immediately.

- The Continue button cannot be used with acidic water.
- The Continue lamp will go off:
 - When the Continue button is pressed again
 - When "Alkaline" has been switched to "Purified Water" or "Acidic Water"
 - When "Purified Water" has been switched to another water quality
 - When 10 minutes have elapsed after the faucet was turned off.

To stop the acidic buzzer

Press the Acidic Water button.

While acidic water is used again, the buzzer will beep.

To turn off the acidic buzzer

Select one of the following settings. (The settings cannot be selected while water is passing through the unit.)

Setting	Operation
Releasing the acidic buzzer from the ON status	Press the Acidic Water button for about 3 seconds until a long beep is heard.
Setting the acidic buzzer to ON	Press the Acidic Water button for about 3 seconds until four short beeps are heard in succession.

When the faucet is turned off after use:

- When acidic water has been used, the water quality is automatically returned to purified water.
- Water will continue to come out of the drain hose for about 30 seconds (because the water inside the Alkaline Ionizer is draining).

- Note
- You can collect the water that comes out from the drain hose while the Alkaline Ionizer is being used and use it to do the dishes or laundry or fill the bathtub.
 - Do not use it to rinse dishes or clothes.
 - When using a receptacle to collect water, ensure that the water level in the receptacle does not rise above the bottom of the Alkaline Ionizer.
 - Even after the faucet has been turned off, a small amount of water will continue to come out of the main spout. This is normal and does not indicate any trouble.

Important

- If the Alkaline Ionizer has not been used for more than 24 hours, a continuous beep will sound when alkaline ion water or purified water passes through the unit, and the automatic electrode cleaning is started (this will last for about 15 seconds). During this period, do not use the water which comes out of the main spout. (P. 44)

Operation (continued)

Using alkaline ion water, acidic water or purified water (continued)

When the water flow adjustment lamp blinks (only while “Alkaline” or “Acidic Water” is selected)

This lamp blinks when too much water is flowing (in which case, it may not be possible to achieve a high enough pH level).


Gradually reduce the flow from the faucet until the lamp goes out ✖.

- ✖ For “Alkaline”: Flow of about 5.0 liters/minute
- For “Acidic Water”: Flow of about 3.2 liters/minute

When the Generating lamp goes out

The Generating lamp will go out when the water faucet is stopped down too far or when the water flow diminishes due to fluctuations in the water pressure. (Electrolysis will be suspended.)
To use the Alkaline Ionizer again, open the faucet until the Generating lamp is restored.

Note

- When acidic water was being used, the water quality will be switched to “Purified Water.”
- Press  again, and open the faucet.

To find out what the pH level is



Measure the pH level using the supplied pH test kit. P. 30

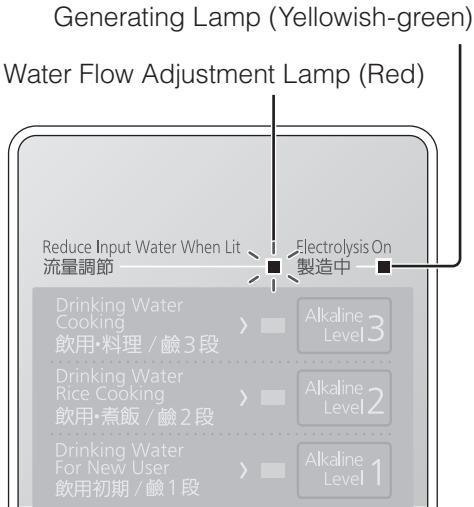
Setting to “Alkaline priority”

The unit can be set to return automatically to the “Alkaline” setting ✖ used last when the faucet has been turned off after using acidic water or purified water. (Normally, it is set to return to “Purified Water.”)

✖ When the Continue lamp is lit, the “Alkaline” setting is restored after the lamp has gone off.

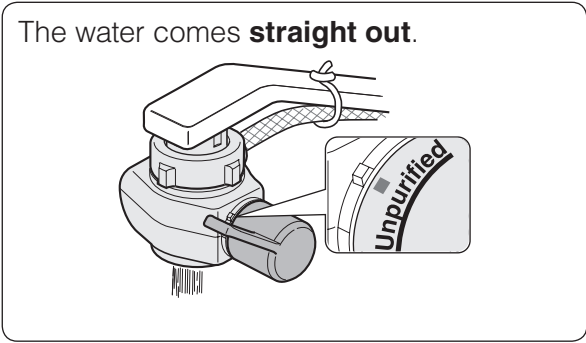
Turn off the faucet before proceeding with the operation. (The operation cannot be performed while water is still passing through the unit.)

Setting	Operation
Setting to “Alkaline priority”	Press  until four short beeps are heard in succession. (This takes about 3 seconds.)
Releasing the setting	Press  until a long beep is heard. (This takes about 3 seconds.)



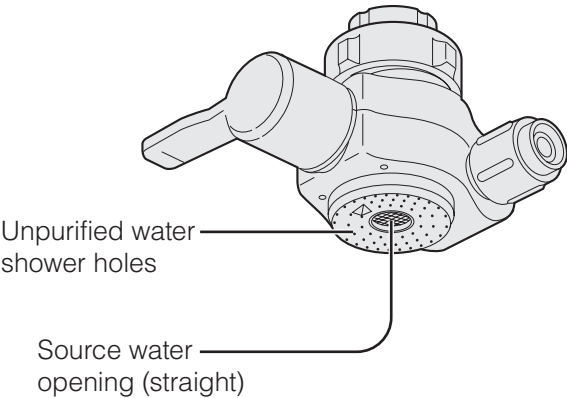
Using the unpurified water (tap water) By “unpurified water” is meant here the untreated tap water.

Set the bypass selector to “Unpurified” or “Shower”.



Bypass selector

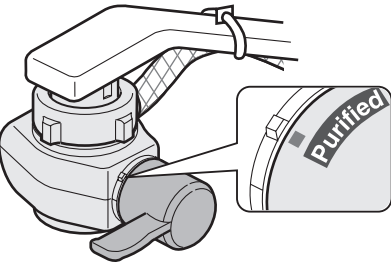
[Bypass selector as seen from below]



使用方法

使用鹼性離子水、酸性水、淨水

1 將分水開關
切換到「Purified」



2 請按下水質切換鈕

- 警示音響起，且水質顯示燈亮起。

水質切換鈕	用途	水質顯示燈
Alkaline Level 3	日常飲用	黃綠色
Alkaline Level 2	習慣飲用	
Alkaline Level 1	飲用初期	
Purified Water	服藥、沖泡牛奶	黃綠色
Acidic Water	洗臉	紅色

3 開啟水龍頭

- 水質顯示燈會閃燈。

4 使用

- 當水質顯示燈亮起，警告聲「嗶嗶嗶」響3次後即可使用。使用鹼性離子水或酸性水時，製造中顯示燈會點亮。
※ 為避免誤飲，使用酸性水時會持續響起警告聲。
(酸性警示音)

鹼性離子水使用中時

由排水管流出酸性水。

淨水使用中時

由排水管流出淨水。
(非飲用水。)

酸性水使用中時

由排水管流出鹼性離子水。
(非飲用水。)

關於連續鈕

Continue
連續

相同水質連續使用時十分方便的按鈕。

- 範例：
- 洗米時
 - 持續用杯子喝好幾杯時

按下使用的水質轉換按鈕(「鹼性」或「淨水」)之後，再按(連續顯示燈亮起)
顯示燈點亮時，先關上水龍頭再重新打開，即可馬上使用。

Continue
連續

- 酸性時無法使用連續鈕。
- 連續顯示燈在下列情形時會熄滅。
 - 再次按連續鈕時
 - 由「鹼性」轉換為「淨水」或「酸性」時
 - 由「淨水」轉換為其他水質時
 - 關上水龍頭約10分鐘後

停止酸性警示音時

按下 Acidic Water 鈕
※再度使用酸性水時，警告聲會再響起。

欲關閉酸性警示音時...
請依照下表進行設定。(通水時無法設定。)

內容	操作方法
解除酸性警告聲	按 Acidic Water 鈕約3秒鐘，直到發出「嗶」聲為止。
設定為ON	按 Acidic Water 鈕約3秒鐘，直到發出4次「嗶」聲為止。

使用後
關緊水龍頭時

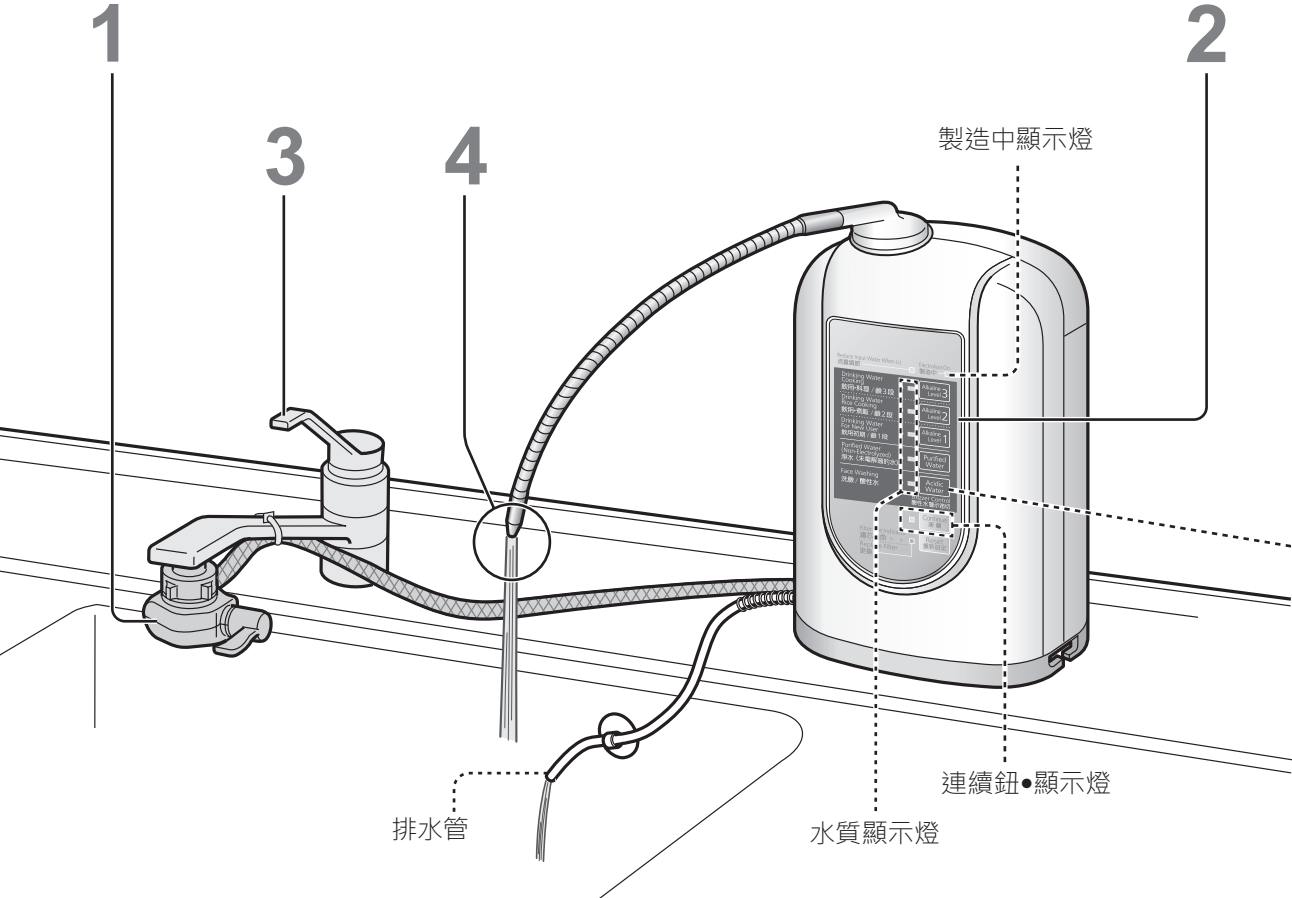
- 使用酸性水時，水質將自動恢復到淨水。
- 水將從排水管持續流出約30秒。(為排除本體內殘留的水)

告知

- 使用中由排水管所流出的水，可蓄水使用於清洗物品或洗澡等用途。
※請勿使用於清洗衣物。
※使用容器收集水時，請確認容器中水的高度，不高於本體的底面。
- 關緊水龍頭後，會由出水口流出少許的水，此狀況為正常現象。

注意事項

- 當停止使用時間超過24小時，鹼性離子水或淨水通水時，警告聲會「嗶嗶嗶...」響起，並自動進入電極洗淨。(約15秒) 請勿使用此時出水口所流出的水 (P. 44)



使用方法 (接續)

使用鹼性離子水、酸性水、淨水 (接續)

■流量調節顯示燈閃爍時 (僅限於鹼性、酸性使用)
水流量過多時此顯示燈閃爍。
(有可能無法完全取得充分的pH值)

請慢慢關緊水龍頭，直到顯示燈熄滅為止*。
※ 「鹼性」的狀況下：流量約5.0公升/分
「酸性」的狀況下：流量約3.2公升/分

■製造中顯示燈熄滅時
水龍頭關得過緊或由於水壓的波動而造成水流變小時，製造中顯示燈會熄滅。(電解作用會中止。)
若要再次使用電解水生成器，請打開水龍頭，直到製造中顯示燈重新亮起。

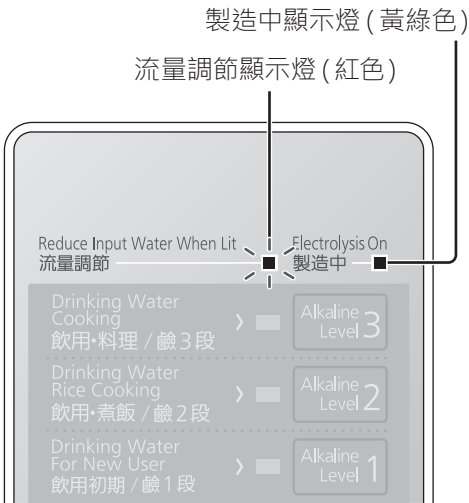
- 告知
- 使用酸性時，水質將切換至「淨水」。
請再按一次 **Acidic Water** 鈕，並打開水龍頭。

■想知道pH值的時候
請使用附屬的pH值測試液測試。 (P. 30)

設定為「鹼性優先」

使用酸性、淨水後關閉水龍頭時，可設定為自動返回*前次使用的「鹼性」。
(未設定時為「淨水」。)
※連續顯示燈點亮時，顯示燈熄滅後才返回。
操作時請先關閉水龍頭。(通水時無法操作。)

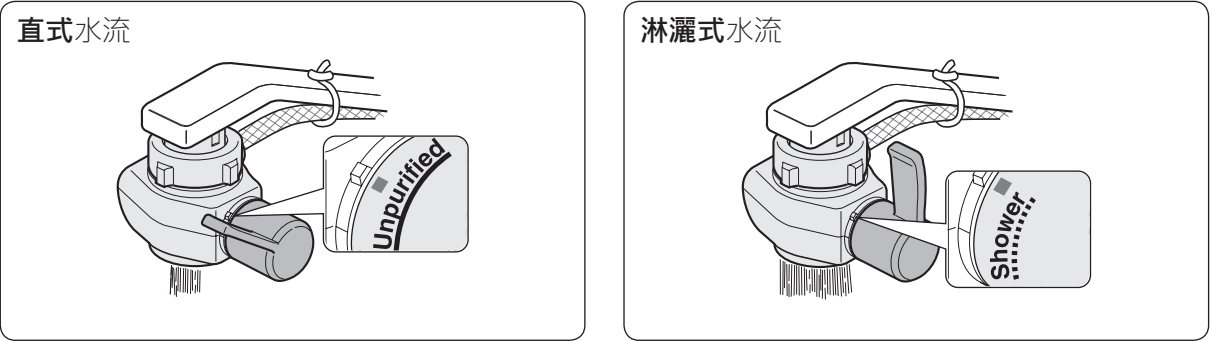
內容	操作方法
設定為「鹼性優先」	按 Alkaline Level 3 鈕約3秒鐘，直到發出4次「嗶」聲為止。
解除設定	按 Alkaline Level 3 鈕約3秒鐘，直到發出「嗶」聲為止。



使用原水 (自來水)

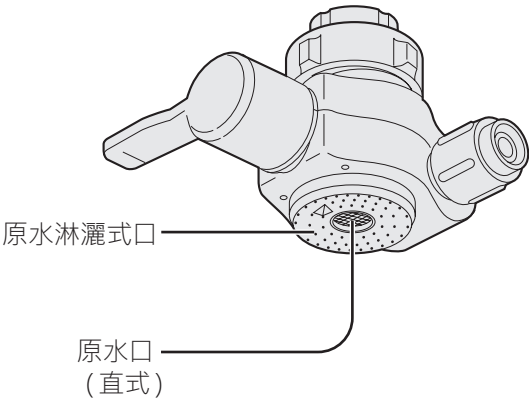
原水就是自來水。

使用分水開關切換為「Unpurified」或「Shower」。



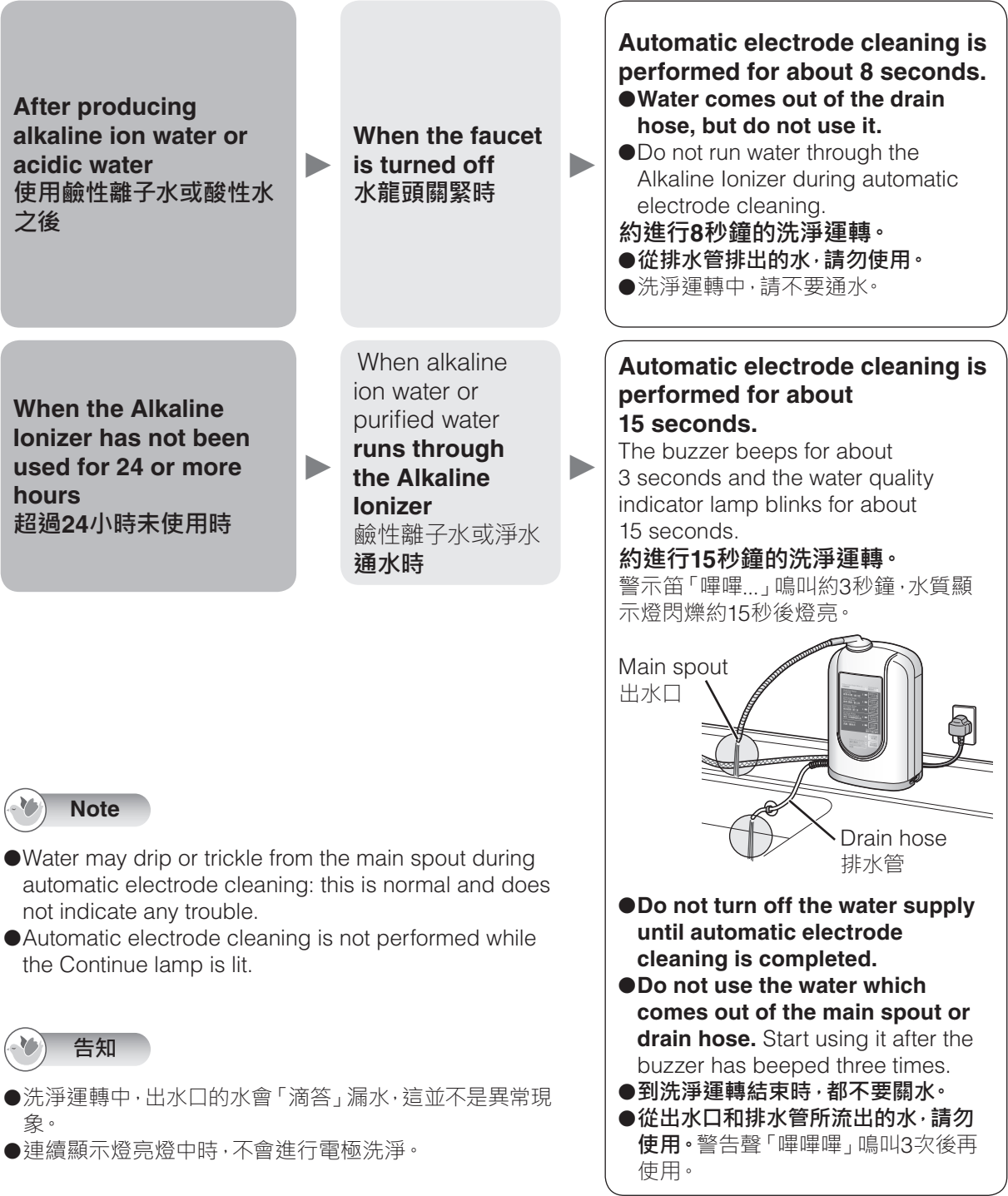
關於分水開關

【由下往上看時】



Automatic Electrode Cleaning/電極自動洗淨運轉

This operation automatically removes the calcium deposits on the electrode plates inside the main unit.
為消除鈣化現象，電極板會自動洗淨機體內部。

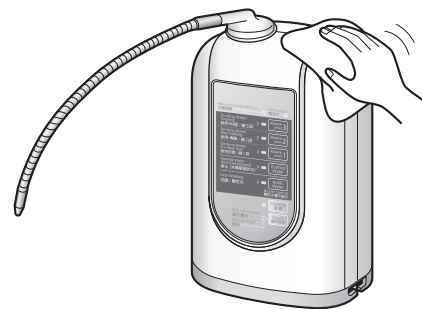
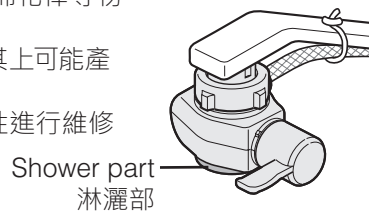


Maintenance/維修保養

General maintenance/一般維修保養

Main unit, bypass selector/本體、分水開關

- Soak a soft cloth in water, wring it out well, and use it to wipe the units and parts.
- Use a toothbrush or other implement to remove dirt at the shower part.
- Use a cotton swab, etc. to remove dirt at the end of the outlet pipe.
- ※ Dirt and mold may occur if rinse water splatters all around. It is recommended to perform maintenance periodically or after every use.
- 以柔軟的布沾水，用力擰乾之後擦拭。
- 淋灑部髒掉時，請用牙刷等將髒東西刷除。
- 出水管前端有污垢時，請用棉花棒等物品將其拭除。
- ※ 沖洗的水四處噴濺而附著其上可能產生污垢及黴菌。建議每次使用過後或定期性進行維修保養。



CAUTION



No water

- Avoid bringing the main unit into contact with water by spraying it with water or washing. (Otherwise, power leaks, electric shocks and/or trouble may result.)

Important

- Do not use detergents, cleansers, paint thinners, benzene, alcohol or kerosene for cleaning purposes. If, for instance, a detergent has been used by mistake, wipe the surface with a damp cloth to remove all traces of the detergent. (Otherwise, the detergent may get mixed in with the water running through the Alkaline Ionizer or cause the paint to come off or peel off or the plastic parts may become damaged, discolored or deformed.)
- ※ Use of cleansers may also impair the workings of the outlet pipe and cause trouble.
- Do not use brushes or other implements made of metal (since they may leave scratch marks).
- Do not use a tool to tighten up the nut (since the nut may be damaged).

注意



禁止水氣潮濕

- 請勿用清水潑灑本體或清洗 (避免造成漏電、觸電、故障的原因)

注意事項

- 請勿使用清潔劑、去污粉、稀釋劑、揮發油、酒精或燈油等清洗。誤用時，馬上用水擦淨，將表面的清潔劑擦掉。(本體有沾到清潔劑的時候，表面鍍漆剝落、樹脂割裂、變色、變形的原因) ※使用去污清潔劑的話，出水管會出水不順，導致故障。
- 請勿使用金屬製的刷子等。(避免造成損壞的原因)
- 旋轉螺帽時，請勿使用工具。(避免造成螺帽破損的原因)

Annual maintenance/一年一度的維修保養

The water volume will be reduced if dirt and other foreign matter are allowed to clog the filter at the bypass selector mount coupling. Follow the steps below to clean the filter.

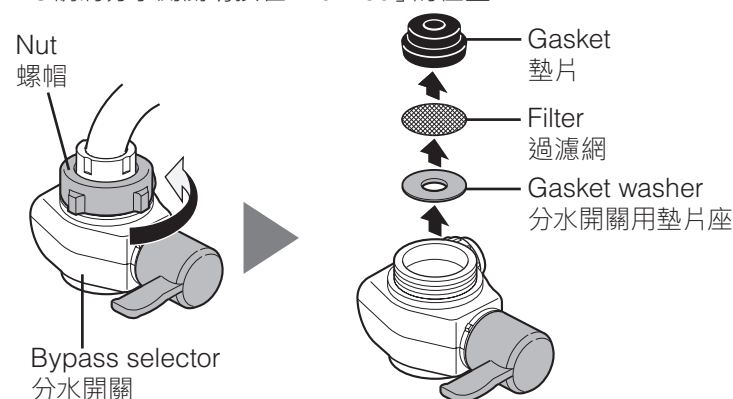
分水開關安裝口的過濾網若囤積污垢，流量就會變小。請依照下記順序來清掃過濾網。

Bypass selector mount coupling (filter and water intake)/ 分水開關安裝口

1 Loosen the nut, remove the bypass selector, and take out the filter.

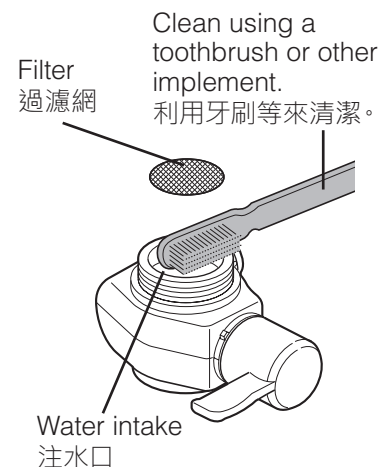
鬆開螺帽後，再拆下開關，取下過濾網

- Set the bypass selector to "Purified".
- 請將分水開關切換在「Purified」的位置。



2 Wash the filter and water intake.

清洗過濾網和開關注水口
Clean using a toothbrush or other implement. 利用牙刷等來清潔。

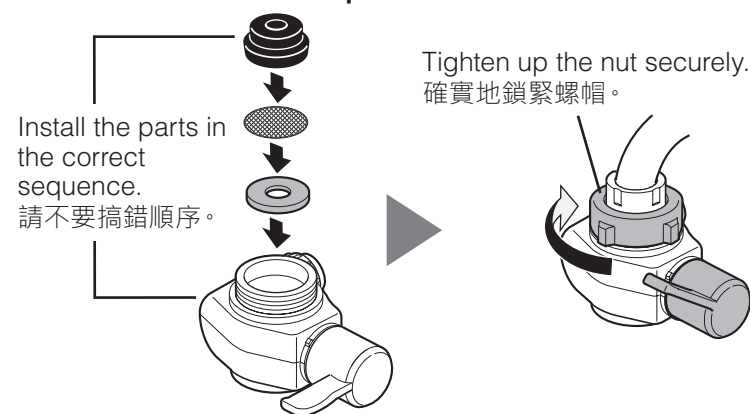


(過濾網、注水口)

3 Install the bypass selector.

安裝分水開關

- After installing the bypass selector, run water for about 5 seconds at the "Unpurified" or "Shower" setting.
- 安裝後，將開關切換至「Unpurified」或「Shower」的位置，讓水約流5秒鐘。



Tighten up the nut securely. 確實地鎖緊螺帽。

Important

- Install the filter without fail.

注意事項

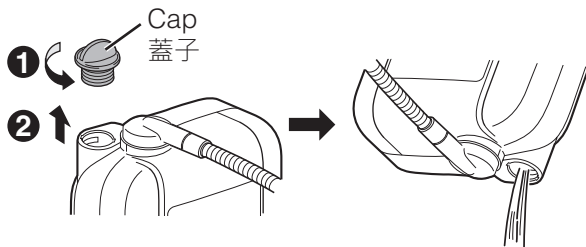
- 請務必安裝過濾網。

When Moving the Alkaline Ionizer/本體移機時

Follow the steps below to drain off the water in the Alkaline Ionizer.
請遵照以下的順序排出本體內部的水。

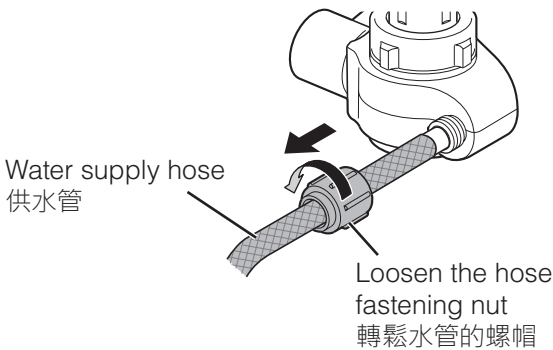
1 Disconnect the power plug. 拔除電源插頭

2 Remove the cap, turn the main unit upside down, and drain off the inside water. 取下蓋子，把本體倒過來，排掉內部的水



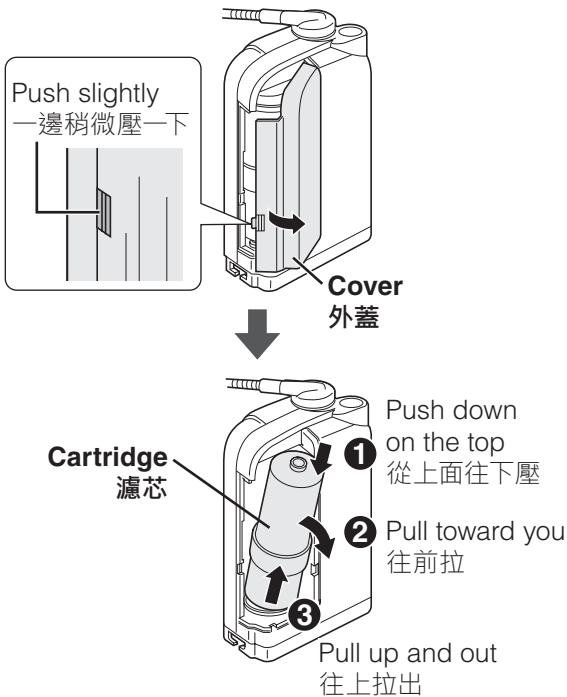
3 Disconnect the water supply hose from the bypass selector. 從分水開關卸下供水管

- After disconnecting the water supply hose, put the hose fastening nut back on the bypass selector (to ensure that the nut is not misplaced or lost).
- Drain off the water inside the bypass selector.
- 供水管卸下後，螺帽請鎖在分水開關上。（以防鎖緊水管的螺帽弄丟）
- 請倒出分水開關內的水。



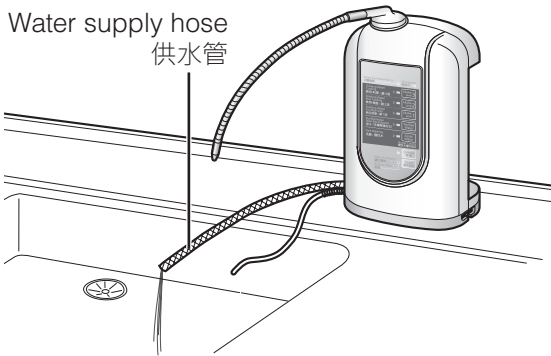
4 Remove the cartridge. 取出濾芯

- Do not place the main unit on its side or upside down with the cartridge removed (since water may get inside the main unit and cause trouble).
- 將濾芯取出後，請不要將本體倒置或斜放。（水會逆流到機器內部，發生故障）



5 Put the end of the water supply hose at a position lower than the bottom of the main unit, and drain off the water inside the hose. 供水管前端位置於本體位置稍低以排除水管內的水

- Return the cap and cartridge to their original positions.
- 卸下的蓋子和濾芯，請安裝回原位。



Important

- Not all the water may be adequately drained off in this process so factor in water leaks and pack the Alkaline Ionizer accordingly when transporting it.

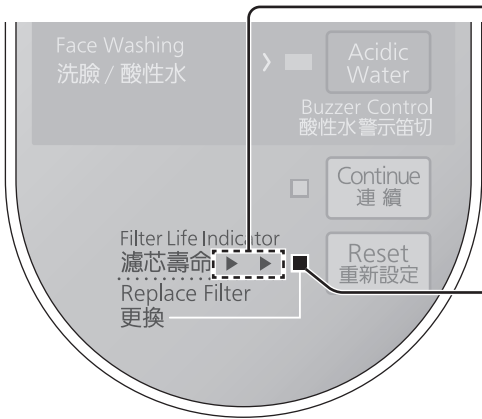
注意事項

- 用此方法也可能無法徹底疏水，故運送時恐有漏水之虞，請先加以包裝。

Before Replacing the Cartridge/更換濾芯前

Replacement timeframes/關於更換時期

- The unit detects the total amount of water that has run through and the decline in water flow, and uses the Cartridge Life Lamp and the Cartridge Replacement Lamp to inform you when it is time to replace the cartridge. Replace the cartridge when the Cartridge Replacement Lamp is lit.
- 本產品可根據總通水量或流量的降低，及濾芯壽命顯示燈和濾芯更換顯示燈的信號，而查知是否需要更換濾芯。在濾芯更換顯示燈亮起時，即表示應該更換濾芯了。



Cartridge Life Lamps (Yellowish-green, Yellow)

- These indicators light up when water is running through the unit and for approximately 30 seconds after the water flow is stopped.

濾芯壽命顯示燈 (黃綠色、黃色)

- 水流動時及水停止後點亮約30秒鐘。



Cartridge Replacement Lamp (Red)

濾芯更換顯示燈 (紅色)

Blinking: (Only while water is running through)
閃爍：(通水時)

- It is nearly time to replace the cartridge.
- 已接近更換期限。

Lit up: (Constant)
亮燈：(平時)

- It is time to replace the cartridge.
- ※ While this lamp is lit, the unit cannot generate alkaline ion water or acidic water.
- 請更換濾芯。
- ※ 燈亮時，無法製造鹼性離子水、酸性水。

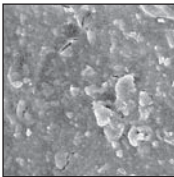
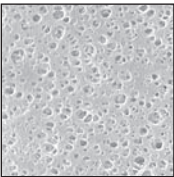
Even if the Cartridge Replacement Lamp is not lit, replace the cartridge when: 即使濾芯更換顯示燈尚未亮起，只要出現下列情況即請更換濾芯：

- **The water has an unpleasant odor or taste** (this means that the cartridge's ability to filter out these impurities has deteriorated).
- **The period of time (about 1 year) that serves as a general guideline for when to replace the cartridge has passed.**
- 有氣味或有味道時 (濾芯的去除力變低)
- 濾芯更換的標準年月 (約為1年)

Differences in usage period by water quality

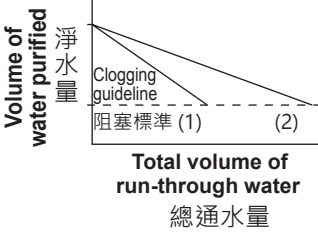
有關依水質而使用期間不同

Inside the cartridge is a hollow fiber membrane filter for removing microscopic dirt. The cartridge's life will be shortened when the Alkaline Ionizer is used with a quality of water containing many clogging substances. 使用的濾芯，為了去除細微的髒污，內層附有中空絲膜過濾網，因此阻塞物質較多的水質，使用時間會縮短。



Hollow fiber membrane surface (new filter)
中空絲膜表層 (新品時)

Clogged hollow fiber membrane surface
阻塞的中空絲膜表層



The graph plots 'Volume of water purified' (淨水量) on the y-axis against 'Total volume of run-through water' (總通水量) on the x-axis. A dashed line represents the 'Clogging guideline' (阻塞標準). Two lines are shown: (1) a steeper line for 'Water containing many clogging substances' (阻塞物質較多的水質) and (2) a less steep line for 'Water with standard quality' (標準的水質). Line (1) crosses the clogging guideline earlier than line (2).

(1) Water containing many clogging substances
(2) Water with standard quality

(1) 阻塞物質較多的水質
(2) 標準的水質

Period of time serving as a general guideline for when to replace the cartridge (when 30 liters are used daily) 濾芯更換的標準年月【一天使用30公升時】

Replacement guideline 更換標準	Replacement cartridge 更換用淨水濾芯 P. 55	Substances removed by cartridge/去除的物質
TK-AS45: About 1 year 約1年	Model number/型號 TK-AS45C1-EX	[13 substances specified by JIS standards] Free residual chlorine, turbidity, total trihalomethane, chloroform, bromodichloromethane, dibromochloromethane, bromoform, tetrachloroethylene, trichloroethylene, 1,1,1-trichloroethane, CAT, 2-MIB (mold smell), soluble lead [Japan Water Purifier Association voluntary class 4 substances] Iron (particulate form), Aluminum (neutral), Geosmin (mold smell), Phenols [JIS標準規定13種物質] 殘留氯、污濁物、總三鹵甲烷、三氯甲烷、二氯一溴甲烷、二溴一氯甲烷、三溴甲烷、四氯乙烯、三氯乙烯、1,1,1-三氯乙烷、CAT、2-MIB (黴菌臭)、溶解性鉛 [淨水器協會自主標準4種物質] 鐵 (微粒子狀)、鋁 (中性)、土臭素 (黴菌臭)、酚類
TK-AS41: About 1 year 約1年	Model number/型號 TK7815C1ZEX	[13 substances specified by JIS standards] Free residual chlorine, turbidity, total trihalomethane, chloroform, bromodichloromethane, dibromochloromethane, bromoform, tetrachloroethylene, trichloroethylene, 1,1,1-trichloroethane, CAT, 2-MIB (mold smell), soluble lead [JIS標準規定13種物質] 殘留氯、污濁物、總三鹵甲烷、三氯甲烷、二氯一溴甲烷、二溴一氯甲烷、三溴甲烷、四氯乙烯、三氯乙烯、1,1,1-三氯乙烷、CAT、2-MIB (黴菌臭)、溶解性鉛
TK-AS40: About 1 year 約1年	Model number/型號 TK7505C1ZEX	[5 substances specified by JIS standards] Free residual chlorine, turbidity, total trihalomethane, 2-MIB (mold smell), soluble lead [JIS標準規定5種物質] 殘留氯、污濁物、總三鹵甲烷、2-MIB (黴菌臭)、溶解性鉛

Note

- **The volume of water coming out of the Alkaline Ionizer may be reduced when:**
 - The water temperature is low (because the water does not run through the cartridge so easily).
 - The Alkaline Ionizer is used in areas where the water pressure is low (under 70 kPa).
 - The pressure of the tap water has dropped because of the demand for tap water in the area concerned.
 - Immediately after a period when the water supply was shut off such as during plumbing work.

告知

- 下面的情況時，出水量會變少。
 - 水溫低 (水不容易通過濾芯)
 - 水壓低的地區 (70 kPa以下) 使用的情況
 - 依照區域的自來水使用狀況，自來水水壓會變低
 - 水電行施工前後等，停水之後

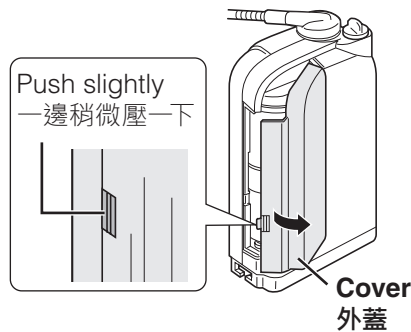
Replacing the Cartridge/更換濾芯

Precautions before replacement/更換前注意事項

- **Replace the cartridge without disconnecting the power plug.**
(The cartridge life cannot be reset when the power plug is disconnected.)
- **Do not place the main unit upside down or place the main spout upwards.**
Avoid water getting inside the main unit and causing malfunction.
- **Before replacing the cartridge, turn off the faucet.**
(Do not run water through the Alkaline Ionizer with the cartridge removed. Doing so will cause the water to overflow.)
- **請勿拔掉電源插頭。**
若拔掉電源插頭，便無法進行濾芯壽命重新設定。
- **請勿將本體倒置、出水口朝上。**
避免水逆流到機器內造成故障。
- **更換前請先關閉水龍頭。**
另請勿在取出濾芯之狀態下通水使用。水會溢出。

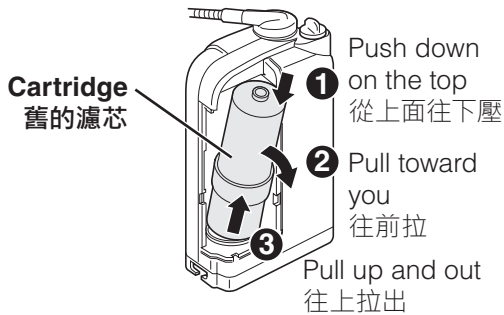
Replacement procedures/更換步驟

1 Remove the cover. 取下本體外蓋



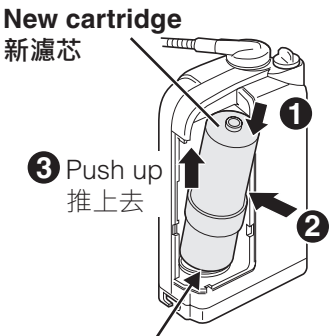
2 Remove the cartridge. 拆下舊的濾芯

- Place the main spout toward the sink.
(Water will flow out.)
- Push down on the top.
Remove the cartridge by pulling it forward as shown in the figure.
- Take care since water will drip from the cartridge.
Water may also emerge from the bottom of the main unit (this does not indicate that there is a leak).
- 請將出水口朝向水槽內。
(會有水流出)
- 將濾芯頂端由上往下壓，
如圖所示向前拉出後即可將濾芯拆下。
- 濾芯內的水會溢出來，請注意。水亦會從本體底部流出。(並非漏水)




3 Install the new cartridge. 安裝新濾芯

- After putting the cartridge in place, push it up.
- 安裝後，請將濾芯推上去。

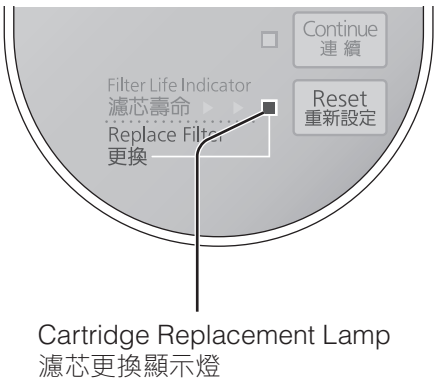


Align the center of the bottom of the cartridge with the center of the cartridge hole, and while pressing it down, push the cartridge in.
對準底部中心一邊壓一邊裝入

4 Until the unit makes a short beep and the Cartridge Replacement Lamp goes out Press (approximately 3 second).

當「嗶」聲鳴叫時，
按 ，一直到濾芯
更換顯示燈熄滅為止(約3秒鐘)

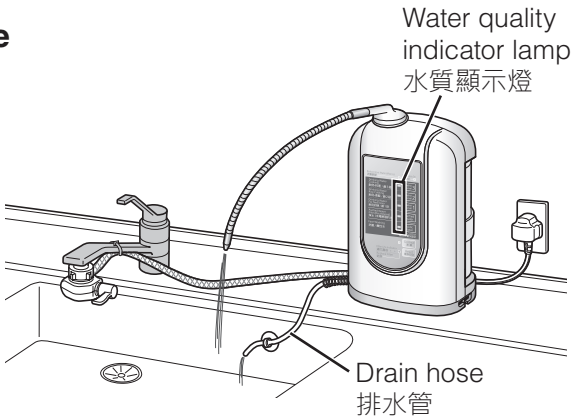
- Check to make sure that the Cartridge Replacement Lamp has gone out.
- 請確認濾芯更換顯示燈已熄滅。



5 Open the faucet, and run purified water through the Alkaline Ionizer (for about 3 or 4 minutes).

打開水龍頭，
讓淨水通過本體(約3分鐘 ~ 4分鐘)

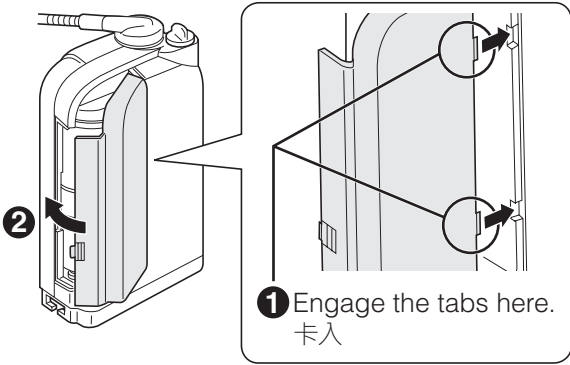
- When water is run through the Alkaline Ionizer, the water quality indicator lamp blinks for about 10 seconds – 40 seconds.
- While water is running through the Alkaline Ionizer, check that water is not leaking from the area where the cartridge was installed and that water is coming out of the drain hose.
- 當水通過電解水生成器時，水質顯示燈會閃燈約10秒 ~ 40秒。
- 通水中，請查看從濾芯接續部分會不會漏水，或從排水管中確認是否有流出水來。



Continued on next page/接下頁

Replacing the Cartridge (continued)/更換濾芯 (接續)

6 Turn off the faucet, and put the cover back on.
關緊水龍頭，裝回本體外蓋



Important

- Dispose of the used cartridge in accordance with the applicable ordinances in the area concerned.
- Also when replacing the cartridge before the Cartridge Replacement Lamp blinks or lights, in order to indicate cartridge life correctly, the cartridge life should be reset with step 3.

注意事項

- 使用過的濾芯請依當地指定的條例予以廢棄丟置。
- 即使在濾芯更換顯示燈閃爍或點亮之前更換濾芯，為了能夠正確顯示濾芯的壽命，務必依照步驟3再設定濾芯使用壽命。

Note

- When alkaline ion water is poured into a glass after the cartridge has been replaced, it may contain white bubbles: this is normal and does not indicate any trouble. (P. 70)

告知

- 更換濾芯後，鹼性離子水注入杯子時，會有白色泡沫，並非異常現象。(P. 74)

Optional Accessories/選購品

Obtain all optional accessories from your dealer.
For details on how they are used, refer to the accompanying instructions.
關於選購品，請洽經銷商。
關於使用方法，請參閱各商品上所附屬的操作手冊。

Consumables/消耗品

Replacement cartridge

- For TK-AS45 users
Model No.: TK-AS45C1-EX
- For TK-AS41 users
Model No.: TK7815C1ZEX
- For TK-AS40 users
Model No.: TK7505C1ZEX

更換用淨水濾芯

- 對於TK-AS45 使用者
型號：TK-AS45C1-EX
- 對於TK-AS41 使用者
型號：TK7815C1ZEX
- 對於TK-AS40 使用者
型號：TK7505C1ZEX

For use with large faucet 水龍頭為大型時

Large-diameter Faucet Fitting (inside diameter 32.5 mm)

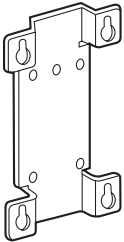
- Model No.: P-06JRC
- For faucets whose end diameter is 24 mm to 32 mm (P. 17)

大型水龍頭用金屬蛇口 (內徑：32.5 mm)

- 型號：P-06JRC
- 裝於前端徑24 mm ~ 32 mm水龍頭上 (P. 17)

Wall mounting bracket/壁掛金屬板

Model No.: P-A3303ZEX
Used when mounting the main unit on a wall
型號：P-A3303ZEX
當在壁面設置本體時使用



What Do the Indicator Lamps Mean?

When the lamps light or blink in any of the following symptoms, take the suggested action described below. If the lamps light or blink despite the action having been taken, disconnect the power plug, and consult your dealer. However, in the event that the unit has failed: do NOT attempt to disassemble and repair the Alkaline Ionizer yourself, but contact your dealer.

Symptom	Cause and remedial action
The “Alkaline Level 1”, “Purified Water” and “Acidic Water” water quality indicator lamps blink at the same time, and three short beeps in succession are heard from the buzzer.	● Depending on the water quality and environment, electrolysis may be suspended in order to protect the Alkaline Ionizer. (Purified water will come out of the main spout.) → Turn off the faucet, wait about 3 minutes, and then resume use.
The “Alkaline Level 1”, “Purified Water” and “Acidic Water” water quality indicator lamps blink at the same time, the Generating lamp lights, and three short beeps in succession are heard from the buzzer.	● Depending on the water quality and environment, electrolysis may be suspended in order to protect the Alkaline Ionizer. (Purified water will come out of the main spout.) → Turn off the faucet, wait about 3 minutes, and then resume use.
The “Alkaline Level 1”, “Purified Water” and “Acidic Water” water quality indicator lamps blink at the same time, the Continue lamp lights, and three short beeps in succession are heard from the buzzer.	● Depending on the water quality and environment, electrolysis may be suspended in order to protect the Alkaline Ionizer. (Purified water will come out of the main spout.) → Turn off the faucet, discontinue use, and wait about 30 minutes. (Depending on the water quality and environment, you may have to wait more than 30 minutes.)
The “Alkaline Level 1”, “Purified Water” and “Acidic Water” water quality indicator lamps blink at the same time, the Water Flow Adjustment Lamp lights, and three short beeps in succession are heard from the buzzer.	● Depending on the water quality and environment, electrolysis may be suspended in order to protect the Alkaline Ionizer. (Purified water will come out of the main spout.) → Turn off the faucet, discontinue use, and wait about 30 minutes. (Depending on the water quality and environment, you may have to wait more than 30 minutes.)
The “Alkaline Level 1”, “Purified Water” and “Acidic Water” water quality indicator lamps light at the same time, the Generating lamp lights and five short beeps in succession are heard from the buzzer.	● The Alkaline Ionizer has failed. → Disconnect the power plug, and consult your dealer.
The “Alkaline Level 1”, “Purified Water” and “Acidic Water” water quality indicator lamps light at the same time, the Continue lamp lights, and five short beeps in succession are heard from the buzzer.	● The Alkaline Ionizer has failed. → Disconnect the power plug, and consult your dealer.
All the lamps except “Alkaline Level 2” and “Alkaline Level 3” light at the same time, and five short beeps in succession are heard from the buzzer.	● The Alkaline Ionizer has failed. → Disconnect the power plug, and consult your dealer.

顯示燈表示甚麼？

出現下列的顯示燈點亮或閃爍時，請做各種處置。處置後若顯示燈仍無法熄滅，請拔掉電源插頭洽詢經銷商。但若是機器故障時，絕對不可自行分解修理，請與經銷商聯絡。

症狀	原因和處置方法
「鹼1段」「淨水」「酸性水」的水質顯示燈同時閃爍，並發出3次「嗶」聲	● 因水質與環境等因素，可能暫停電解作用以保護電解水生成器。（由出水口流出淨水。） → 關緊水龍頭，請等約3分鐘後再使用。
「鹼1段」「淨水」「酸性水」的水質顯示燈同時閃爍，製造中顯示燈點亮，並發出3次「嗶」聲	● 因水質與環境等因素，可能暫停電解作用以保護電解水生成器。（由出水口流出淨水。） → 關緊水龍頭，請等約3分鐘後再使用。
「鹼1段」「淨水」「酸性水」的水質顯示燈同時閃爍，連續顯示燈點亮，並發出3次「嗶」聲	● 因水質與環境等因素，可能暫停電解作用以保護電解水生成器。（由出水口流出淨水。） → 關緊水龍頭中止使用，請等約30分鐘。（因水質、使用環境需費時30分鐘以上。）
「鹼1段」「淨水」「酸性水」的水質顯示燈同時閃爍，流量調節顯示燈點亮，並發出3次「嗶」聲	● 因水質與環境等因素，可能暫停電解作用以保護電解水生成器。（由出水口流出淨水。） → 關緊水龍頭中止使用，請等約30分鐘。（因水質、使用環境需費時30分鐘以上。）
「鹼1段」「淨水」「酸性水」的水質顯示燈同時點亮，製造中顯示燈點亮，並發出5次「嗶」聲	● 機器故障。 → 拔掉電源插頭洽詢經銷商。
「鹼1段」「淨水」「酸性水」的水質顯示燈同時點亮，連續顯示燈點亮，並發出5次「嗶」聲	● 機器故障。 → 拔掉電源插頭洽詢經銷商。
「鹼2段」「鹼3段」以外的所有顯示燈同時點亮，並發出5次「嗶」聲	● 機器故障。 → 拔掉電源插頭洽詢經銷商。


Others / 其他

Troubleshooting

If you think that something is wrong with the Alkaline Ionizer, check out the following points before requesting repairs. If you decide that trouble has occurred, do NOT attempt to disassemble and repair the Alkaline Ionizer yourself, but contact your dealer.

※ Sometimes suspected trouble is remedied by disconnecting the power plug and then re-connecting it.

■ What Do the Indicator Lamps Mean?

Symptom	Cause and remedial action	Reference page
The Generating Lamp does not light up.	● Immediately after installing the unit or replacing the cartridge, the Water Quality Indicator Lamp will blink for approximately 10 seconds – 40 seconds while water is running through the unit. → Run water through the unit for approximately 3 minutes – 4 minutes. (This is to vent any air caught inside the cartridge.)	15 53
	● Did you leave the unit unused for 24 hours or more? (The Water Quality Indicator Lamp is blinking and the buzzer is beeping.) → Run water through the unit for approximately 15 seconds.	44
	● Is there sufficient water volume? (It requires approximately 1.2 L/min or more.) → Open up the water faucet to increase the amount of water.	—
	● Is the Cartridge Replacement Lamp lit up? → Replace the cartridge.	50 – 54
After using “Acidic Water” the Water Quality Indicator Lamp changes to “Purified Water”.	● The unit is designed to automatically switch to “Purified Water” when you close the water faucet after using “Acidic Water”. → This is not a malfunction.	37
When I stop down the water faucet while using “Acidic Water”, the Water Quality Indicator Lamp suddenly changes to “Purified Water”.	● This happens when you stop down the water faucet too far or when the water flow diminishes due to fluctuations in the water pressure, and the unit detects the lack of water running through. → Press “Acidic Water” again, and gradually open the water faucet until the Water Quality Indicator Lamp starts to blink.	38
The lamp changes to “Alkaline” after I have used “Acidic Water” or “Purified Water”.	● Is the “Alkaline priority” setting established? → To release Alkaline priority, while no water is running through the main unit, press  until a long beep is heard (for about 3 seconds).	38
The Cartridge Life Lamp does not go on.	● Is the water turned off? → This lamp will light up while water is running through the unit and for approximately 30 seconds after the water is turned off.	34 50
The Cartridge Replacement Lamp does not go out even after I replace the cartridge.	● Did you forget to press the Reset button? → Close the water faucet and press the Reset button.	53
	● Did you press the Reset button while the power cord was unplugged? → Plug in the power cord and press the Reset button.	52

Symptom	Cause and remedial action	Reference page
The Cartridge Replacement Lamp is blinking even though the Cartridge Life Lamp is lit.	※ Unplug the power cord and then plug it back in.	—
	● Is the water faucet stopped down too much? → Open the water faucet.	
	● Is the water pressure too low? → Open the water faucet all the way.	23 – 25
	● Is there a crimp in the water supply hose? → Straighten the water supply hose.	
The Cartridge Replacement Lamp does not light up even though a year has passed.	● The water flow has diminished because of clogging in the cartridge. → This is not a malfunction. It is nearly time to replace the cartridge.	50
	● The unit is designed so this Lamp will light up after a cumulative usage of one year at an average volume of 30 liters per day. When the usage volume is lower than this, the Lamp will not light up even after a year has passed. → This is not a malfunction.	50 51
None of the lamps on the main unit light up.	● Is the power cord plugged in? → Plug in the power cord.	25
	● There is a malfunction in the Alkaline Ionizer. → Unplug the power cord and consult with the dealer.	—

■ Is this a malfunction?

	Symptom	Cause and remedial action	Reference page
Drain hose	Water comes out after the faucet has been turned off	● The water inside the Alkaline Ionizer is draining off. → This is not a malfunction.	37
	No water comes out when the Alkaline Ionizer is used	● Is the drain hose bent or flattened? → Straighten out the hose.	23 – 25
Bypass selector	Water is leaking from a place other than the selected spout	● The build-up of calcium or other minerals inside the bypass selector may be to blame. → Obtain some citric acid from a pharmacy, dissolve 50 g in one liter of water, and after immersing the bypass selector in the solution for about 12 hours, rinse with water.	—

Continued on next page

Troubleshooting (continued)

■Is this a malfunction? (continued)

Symptom	Cause and remedial action	Reference page
Other	Very little or no water is discharged from the Alkaline Ionizer <ul style="list-style-type: none">● Is the water pressure too low? → Open up the faucet all the way.● Has the flow at the faucet been reduced too much? → Open up the faucet.● Is the filter of the bypass selector clogged? → If it is, clean the filter.● Has the cartridge been installed properly? → If it has not, install it properly.● Has the water supply been cut off? → Wait until the water supply is restored.● Is the water supply hose bent or flattened? → If it is, straighten it out.● Has the Cartridge Replacement Lamp lit? → If it has, replace the cartridge.	<div>—</div> <div>46, 47</div> <div>52 – 54</div> <div>45</div> <div>23 – 25</div> <div>52 – 54</div>
	When water is run through the Alkaline Ionizer, the water that comes out is warm <ul style="list-style-type: none">● When water starts to run through the Alkaline Ionizer, water which was kept at room temperature while no water was flowing to the Alkaline Ionizer or water warmed by the heat inside the Alkaline Ionizer may come out. → This is not a malfunction. Allow the water to keep flowing to the Alkaline Ionizer.	<div>—</div>
	The buzzer does not beep even when using the “Acidic Water” setting <ul style="list-style-type: none">● Has “OFF” been set for the “Acidic buzzer” setting? → If so, set “ON” for “Acidic buzzer”.	<div>37</div>
	The water produced by the Alkaline Ionizer has an odor or unpleasant taste or is turbid <ul style="list-style-type: none">● The ability of the cartridge to remove odors, unpleasant tastes and turbidity has deteriorated. → Replace the cartridge.	<div>52 – 54</div>
	The pH level of the water produced by the Alkaline Ionizer is not within the rough pH level range <ul style="list-style-type: none">● The pH level may be a little high when a new cartridge is used (for the first week or so). → This is not a malfunction. Measure the pH level again after a week.	<div>30</div> <div>31</div>
	The pH level of acidic water is neutral <ul style="list-style-type: none">● If the pH level of acidic water is 6.5 or so, it may not be possible to distinguish it from the pH 7 level (neutral) in the pH Chart. → Test the water coming out of the drain hose while using the “Acidic Water” setting, and if it is 10 to 11, it means that the pH level for acidic water is 6.5 or so.	<div>—</div>

Symptom	Cause and remedial action	Reference page
Other	Water comes out from the bottom of the main unit <ul style="list-style-type: none">● Depending on the temperature conditions, water formed from condensation may collect inside the main unit. → This is not a malfunction.	<div>23</div>
	Sounds are heard from the main unit after the faucet has been turned off <ul style="list-style-type: none">● These sounds are made by the water inside the main unit draining off. → This is not a malfunction.	<div>—</div>
	When a dryer is used, sounds are heard from the main unit <ul style="list-style-type: none">● Sounds may be heard with some dryers. → This is not a malfunction.	<div>—</div>
	The pH level of alkaline ion water does not indicate alkalinity <ul style="list-style-type: none">● Is “Alkaline” set for the water quality (or has “Acidic Water” or “Purified Water” been set)? → Switch to “Alkaline” using one of the water quality selector buttons.● Depending on the water quality, the water’s alkalinity may not be indicated (because of the effects of carbonic acid in the water). → This is not a malfunction. Switch the water quality to a setting with a stronger alkalinity, and adjust the faucet to reduce the flow of water through the unit.● Is the drain hose bent or flattened? → If it is, straighten it out because otherwise electrolysis will not be performed properly.	<div>36</div> <div>37</div> <div>68</div> <div>23 – 25</div>
	It is becoming difficult for the pH level to rise <ul style="list-style-type: none">● Calcium has built up inside the Alkaline Ionizer, causing a deterioration in the electrolytic performance. → This is not a malfunction.	<div>—</div>
	The acidic water has an odor (it smells like swimming pool water) <ul style="list-style-type: none">● Electrolysis causes the chlorine ions in the water to collect in acidic water, forming hypochlorous acid. → This is not a malfunction.	<div>69</div>
	White suspended matter is mixed in with the alkaline ion water <ul style="list-style-type: none">● This is calcium which has built up inside the Alkaline Ionizer. → This is not a malfunction.	<div>71</div>

Continued on next page

Troubleshooting (continued)

Is this a malfunction? (continued)

Symptom	Cause and remedial action	Reference page
Other	Not much water comes out of the Alkaline Ionizer after the cartridge has been replaced <ul style="list-style-type: none">This happens because the air inside the cartridge is being expelled. → This is not a malfunction. (Keep running the water for 3 or 4 minutes.)	—
	Water drips or trickles out of the main spout even when the water is cut off <ul style="list-style-type: none">The water inside the outlet pipe is being expelled. → This is not a malfunction.	37


When there is a water leak

Where water is leaking	Cause and remedial action	Reference page
Area where the bypass selector is connected	<ul style="list-style-type: none">Has the bypass selector been installed on the faucet securely? → If not, install it securely.	18 – 22
	<ul style="list-style-type: none">Have the parts inside the bypass selector been inserted properly? → If not, insert them properly.	47
Area where the water supply hose is connected	<ul style="list-style-type: none">Has the water supply hose been connected securely to the bypass selector? → Insert the hose as far as it will go, and tighten it using the hose fastening nut.	24
Area where the outlet pipe is connected	<ul style="list-style-type: none">Has the outlet pipe been connected to the main unit securely? → If not, screw it in securely until it will go no further.Did you install the gasket? Or is the gasket twisted? → Install the gasket properly.	25
Top of the main unit	<ul style="list-style-type: none">Has the cap been installed securely on the main unit? → Tighten the cap as far as the “ 閉 ” position.	48
Bottom of the main unit	<ul style="list-style-type: none">Has the cartridge been installed securely? → If not, install it securely.	52 – 54
Faucet area	<ul style="list-style-type: none">Is the faucet gasket old? → Call in a plumber.	—
	<ul style="list-style-type: none">Is the faucet (insulating cap, etc.) cracked? → Call in a plumber.	

故障排除

萬一感覺好像故障時，在未送修前，請先檢查下述情況。另外，如果發生異常現象時，絕對不可自行拆解機器，請洽經銷商。
※也有拔掉插頭，再插一次即恢復正常的情形。

顯示燈有這種情況時

症狀	原因和處置方法	參閱頁數
製造中顯示燈不亮時	<ul style="list-style-type: none">安裝或更新濾芯後沒多久，在通水時水質顯示燈閃爍了約10秒鐘 ~ 40秒鐘後才點亮。 → 請通水約3分鐘 ~ 4分鐘。(為了去除濾芯內的空氣)是不是超過可24小時未使用?(水質顯示燈會閃爍，警示音也會響) → 請通水約15秒鐘。是不是水量不夠?(需要每分鐘約1.2公升的流量。) → 請打開水龍頭，增加水量。濾芯更換顯示燈是否亮起? → 請更換濾芯。	16 53 44 — 50 ~ 54
使用「酸性」後，水質顯示燈變為「淨水」	<ul style="list-style-type: none">使用「酸性」後，關閉水龍頭時，會自動切換為「淨水」。 → 並沒有故障。	41
正在使用「酸性」時，把水龍頭關緊，水質顯示燈突然變為「淨水」	<ul style="list-style-type: none">如果將水龍頭關得太緊，流量會因水壓的變化而降低，機器會測定為未通水狀態。 → 請再次按下「酸性」鈕，並慢慢地開啟水龍頭，直至水質顯示燈閃爍為止。	42
使用「酸性」或「淨水」之後，顯示燈變為「鹼性」	<ul style="list-style-type: none">是否設定為「鹼性優先」? → 欲解除鹼性優先的設定，請在主機未通水時按  鈕，直到發出「嗶」為止。(約3秒鐘)	42
濾芯壽命顯示燈不點亮	<ul style="list-style-type: none">請確認是否已停止水流? → 水流通時及水停止後會點亮約30秒鐘。	35 50
即使更換了濾芯，濾芯更換顯示燈還是沒有熄滅	<ul style="list-style-type: none">是否忘了按重新設定鈕? → 請關閉水龍頭，並按重新設定鈕。是否在拔掉插頭的狀態，按重新設定鈕? → 請插上電源插頭，再按重新設定鈕。	53 52

Others / 其他

故障排除（接續）

■顯示燈有這種情況時（接續）

症狀	原因和處置方法	參閱頁數
雖然濾芯壽命顯示燈點亮著，濾芯更換顯示燈卻閃爍起來	※ 請將電源插頭拔下來後，再插上去看看。 ● 是不是水龍頭關得太緊？ → 請打開水龍頭。 ● 是不是水壓太低？ → 請將水龍頭完全打開。 ● 供水管有沒有折彎？ → 請將供水管弄直。 ● 濾芯的網眼由於堵塞而引起流量降低。 → 並非故障。是接近需要更換濾芯的時候了。	— 23 26 27 50
雖然經過了一年，濾芯更換顯示燈也不點亮	● 按一天的平均使用量為30公升計算一年的使用量，而設定濾芯更換顯示燈會點亮。 如果使用量小的話，經過一年後濾芯更換顯示燈也不會點亮。 → 這並非故障。	50 51
本體上的燈全部不亮	● 是不是拔掉了電源插頭？ → 請插上電源插頭。 ● 機器故障了。 → 請拔掉電源插頭，向經銷商洽詢。	27 —

■是不是故障？

症狀	原因和處置方法	參閱頁數
排水管 使用後，水龍頭關閉，有水流出	● 本體內的水排水。 → 並非故障。	41
使用鹼性水時，水不流出	● 是不是排水管折到了或擠壓到了？ → 請拉直。	23 26 27
分水開關 從非選擇的出水口漏水	● 分水開關內部有鈣質分子附著的關係。 → 請到藥局買檸檬酸，以1公升的水溶解50公克的檸檬酸，浸泡分水開關12小時後，以水清洗乾淨。	—

症狀	原因和處置方法	參閱頁數
出水量少，或水沒有排出	● 是不是水壓太低？ → 請將水龍頭全開。 ● 是不是水龍頭鎖太緊了？ → 請開水龍頭。 ● 是不是分水開關的濾網阻塞了？ → 請清潔濾網。 ● 濾芯是否確實安裝好？ → 請確實安裝完畢。 ● 是不是停水了？ → 請等水來。 ● 是不是供水管折到了或擠壓到了？ → 請將水管弄直。 ● 濾芯更換顯示燈有沒有點亮？ → 請更換濾芯。	— 46 47 52 ~ 54 45 23 26 27 52 ~ 54
本體通水時，水會變溫	● 剛通水時，在止水的情況下，因室溫或本體內的溫度，有時會流出溫水。 → 沒有故障，請讓水流出來。	—
即使使用「酸性」警示音也不會鳴叫	● 是不是「酸性警示音」被設定為OFF？ → 請將「酸性警示音」設定為ON。	41
有氣味或味道不太好時，以及汙濁物去除不掉	● 濾芯的過濾功能降低。 → 請更換濾芯。	52 ~ 54
離子水的pH值不在「pH值標準」範圍內	● 換上新濾芯時，（約一週），pH值會稍微偏高不合乎標準。 → 並非故障。約一週後，請在測試pH值。	30 31
酸性水的pH值以中性表示	● 酸性水的pH值為6.5左右時和pH值圖表的pH7（中性）很難區分。 → 使用「酸性」時，排水管排出的水的pH值為10 ~ 11時，酸性即為pH值6.5程度。	—

接下頁

故障排除（接續）

■是不是故障？（接續）

症狀		原因和處置方法	參閱頁數
其他	本體下面漏水	● 因為濕度的關係，使得本體內部出現結露水現象。 → 並非故障。	23
	使用後，關緊水龍頭後，從本體會發出聲音	● 是本體內排水的聲音。 → 並非故障。	—
	使用吹風機時，本體會 有雜音出現	● 會因吹風機的種類不同，而有聲音出現。 → 並非故障。	—
	鹼性離子水的pH值沒有顯示「鹼性」	● 沒有流出鹼性水的原因？ （因為處於（「酸性」或「淨水」）狀態） → 請設定水質切換鈕為「鹼性」。	40 41
		● 依不同水質，亦有無法呈現「鹼性」。 （受到水中的碳酸影響） → 並非故障。請將水質轉換至較強的鹼性，或關緊水龍頭減少通水量使用。	72
		● 排水管是否折到或擠壓？ → 會造成無法正確分解。請拉直。	23 26 27
	pH值上不來時	● 因本體內附著鈣礦物質，使得電解能力變差。 → 並非故障。	—
	酸性水有氣味 （有漂白水味道）	● 經電氣分解水中的氯離子會集中酸性水，而產生次氯酸。 → 並非故障。	73
鹼性離子水中混合著 白色浮游物	● 因本體內部附著鈣礦物質的緣故。 → 並非故障。	75	

故障排除（接續）			
症狀	原因和處置方法	參閱頁數	
其他	更換新濾芯後・出水量變少	● 因為新濾芯內的空氣沒有排出。 → 並非故障。約3分鐘 ~ 4分鐘進行通水。	—
	停水後・出水口會滴水	● 出水管內排水的緣故。 → 並非故障。	41

■發生漏水時

漏水地方	原因和對應內容	參閱頁數
分水開關接口處	● 確實安裝好分水開關了嗎？ → 請確實安裝。	18 ~ 22
	● 分水開關內的零件是否正確放入？ → 請正確安裝。	47
供水管接口處	● 供水管是否確實安裝於分水開關上？ → 請確實插入到底並以螺帽鎖緊水管。	26
出水管接口處	● 是否確實安裝出水管於本體嗎？ → 到無法鎖緊為止，請確實鎖入。 ● 有附墊片嗎？另外，有沒有扭轉變形？ → 請正確安裝水管用的墊片。	27
本體上部	● 蓋子是否確實安裝於本體上？ → 請鎖緊到「閉」的位置。	48
本體底部	● 是否確實將濾芯安裝好？ → 請確實安裝。	52 ~ 54
水龍頭部份	● 水龍頭部位的墊片是否已老舊？ → 請治水電行。 ● 水龍頭（斷熱蓋等）是否有裂痕？ → 請治水電行。	—

Before use

Q Isn't it possible to use underground water for the Alkaline Ionizer?

A Underground water cannot be used.
The quality of underground water is unstable, so please use the tap water.

Q What is the point of the effects that the properties of source water (tap water) have on the water produced by the Alkaline Ionizer?

A Consult the table below.
The water obtained using the Alkaline Ionizer may not be sufficiently alkaline if the water has a high carbonic acid content.
In a case like this, boil the alkaline ion water to remove the carbonic acid and obtain the intended alkalinity. Also, in areas where the hardness of water is high*, the water may be turbid and white.
•With underground water or source water containing underground water, use the unit with the water quality switched to a setting for a stronger alkalinity or with the faucet adjusted to reduce the flow of water passing through the unit since alkalinity may be hard to obtain when using the Alkaline Ionizer.

	Coastal areas, islands	Hot spring areas	Water with a high concentration of carbonic acid (underground water)	Hard water	Soft water
Properties of source water	Salt water may be mixed in with the source water.	The source water contains sulfur so it tends to be acidic.	Carbonic acid gas is mixed in with the source water which tends to be acidic; the water has a high concentration of minerals so it is easier for electricity to be conducted.	The water has a high concentration of minerals so it is easier for electricity to be conducted.	The water has a low concentration of minerals so it is difficult for electricity to be conducted.
Properties of electrolyzed alkaline ion water	Tends to more alkaline.	Tends to make alkaline ion water more neutral due to the sulfate ions.	Tends to be more neutral due to the carbonic acid gas.	Tends to more alkaline.	Tends to less alkaline.
Points on using alkaline ion water	Switch the water quality to a setting for a milder alkalinity. Use alkaline ion water with purified water mixed in.	Switch the water quality to a setting for a stronger alkalinity. Reduce the flow of water at the faucet so that only a small volume of water is run through the Alkaline Ionizer.	Switch the water quality to a setting for a stronger alkalinity. Reduce the flow of water at the faucet so that only a small volume of water is run through the Alkaline Ionizer.	Switch the water quality to a setting for a milder alkalinity. Use alkaline ion water with purified water mixed in.	Switch the water quality to a setting for a stronger alkalinity. Reduce the flow of water at the faucet so that only a small volume of water is run through the Alkaline Ionizer.

※ **Hardness of water:** Whether water is classified as hard or soft depends on the concentration of the calcium and magnesium in the water.

During use

Q I just drank some acidic water by mistake. It is OK?

A Small quantities (a glassful or so) will not cause any problems.
However, you should not keep drinking acidic water. If you have drunk large quantities by mistake and do not feel well, consult a doctor.

Q Will the Alkaline Ionizer remove lead (soluble lead) from the water?

A Yes, it will.

Q What does a service life of 850 hours for the electrolyzer mean?

A This figure represents the total time that electrolysis can be performed by the electrolyzer, and it means that the electrolyzer will last for about 7 years when the Alkaline Ionizer is used for 20 minutes a day.
The electrode plates are worn down by the electricity passing to the electrolyzer. If all the lamps except for "Alkaline Level 2" and "Alkaline Level 3" have lit at the same time, it means that the electrolyzer has come to the end of its service life. Ask your dealer to replace the electrolyzer.

Q What should I do when I'm not going to use the Alkaline Ionizer for a prolonged period (more than a week or so as a general guide)?

- Remove the cartridge from the main unit, put it inside a plastic bag, remove the air from the bag and close it, and then store the bag in the refrigerator.
- Disconnect the power plug.
- Before re-using the Alkaline Ionizer, install the cartridge, re-connect the power plug, and run water through the Alkaline Ionizer for about 3 minutes.

If you are not going to use the Alkaline Ionizer for a month or more, the water inside the cartridge may have gone bad so it is recommended that you replace the cartridge.

Q Do I leave the Alkaline Ionizer's power on when I won't be using the Alkaline Ionizer?

A Leave the power on even while you're not using the Alkaline Ionizer.
One reason is so that the electrodes need to be automatically cleaned. Another reason is that the volume of all the water which has run through the Alkaline Ionizer will not be totalized if the Alkaline Ionizer is used with its power off and, as a result, the cartridge life will not be indicated correctly.
※ The power consumption in the standby status is approximately 1 W.

Q What are the proportions of the water that comes out of the main spout and the water that drains out of the Alkaline Ionizer?

- A The ratio is 4:1, but attention should be paid to how the amounts are measured.
The only way of comparing the amounts is to use the same container for the same period of time while water is coming out of the main spout and drain hose.
- At the beginning, slightly more water comes out of the drain hose.
 - After the flow of water has been stopped, water will drain off from inside the Alkaline Ionizer so a lot of water will accumulate on the drain hose side.
 - If the flow is low, slightly more water comes out of the drain hose.

Q Why doesn't any water come out of the drain hose while alkaline ion water or acidic water is being produced?

A If this is the case, it means that the drain hose is bent or flattened.
Trouble may occur if you use the Alkaline Ionizer while no water is coming out of the drain hose. Neither will electrolysis be performed properly so check the drain hose, and re-position the Alkaline Ionizer so that the water comes out.

Q What's the maximum temperature of the hot water that can be run through the Alkaline Ionizer?

A 35 °C for the main unit, and 80 °C for the bypass selector. (P. 12)

Q Why is it that it has become difficult to obtain the same pH level compared with when I first started using the Alkaline Ionizer?

A Calcium has built up inside the Alkaline Ionizer, reducing the electrolysis effect.

Q The cartridge replacement lamp has lit sooner than the general timeframe for the replacement of the cartridge. What does this mean?

A The cartridge replacement lamp also lights when the amount of the water passing through the unit or its pressure has dropped. (P. 50, 51)
Check whether the water volume has dropped because of a reduction in water pressure or whether the water supply hose is bent or flattened. Also, the cartridge may already be clogged due to the kind of water source used, in which case replace the cartridge.

Q What is "total trihalomethane"?

A This term refers to four compounds: chloroform, bromodichloromethane, dibromochloromethane and bromoform.

Q What is "2-MIB"?

A This stands for 2-methylisoborneol, a substances which causes tap water to have a musty odor.

Q Why does the acidic water have an odor (it smells like swimming pool water)?

A It's because acidic water contains a lot of hypochlorous acid. There's no problem if you use it as is.
Electrolysis causes the chlorine ions in the water to collect in acidic water, forming hypochlorous acid.

Q Will I get noise in my radio if I put a radio near an Alkaline Ionizer?

A Yes, you may. If so, move the radio away from the Alkaline Ionizer.

Continued on next page

Q&A (continued)

Alkaline ion water

Q I'm a new user of alkaline ion water. What steps do I need to take?

A If you're a new user, use the Alkaline Ionizer at the "Alkaline Level 1" (Drinking water for new user) setting first.
Use small volume (1 to 2 cupfuls) every day for about two weeks to get used to alkaline ion water. Then change the setting to "Alkaline Level 2" (Drinking water for Experienced user) setting or "Alkaline Level 3" (Drinking water in daily life).

Q I'm on medication. Is it ok for me to drink alkaline ion water?

A Use the Purified Water setting for the water to take your medicine with.
You can use alkaline ion water for drinking, cooking and purposes other than taking medicine.

Q What should I do if I get diarrhea or a rash after I start drinking alkaline ion water?

A Stop drinking alkaline ion water, and consult a doctor.
While consulting the doctor, say that:

- The alkaline ion water you've been drinking has more calcium, magnesium, sodium, potassium and other minerals than tap water.
- The water you've been drinking has an alkalinity with a pH level of 8 to 9 (at the New Users setting).

Q I have kidney trouble. Is it ok for me to drink alkaline ion water?

A Consult a doctor before drinking alkaline ion water.
While consulting the doctor, say that:

- The alkaline ion water you are thinking of drinking has more calcium, magnesium, sodium, potassium and other minerals than tap water.
- The water you are thinking of drinking has an alkalinity with a pH level of 9.5 or so.

Q How much calcium is contained in alkaline ion water?

A Due to electrolysis, there are 20 to 30% more calcium ions in alkaline ion water than in the source water.

Q How long does the alkaline ion water "keep"?

A Use it within 24 hours at room temperature.
When alkaline ion water is produced, the chlorine (sterilizer) in the tap water is removed off, making it easier for bacteria to proliferate. Even when storing alkaline ion water in the refrigerator, keep it in a clean sealed container, and use it within 2 days.
※ Also use acidic water within 2 days.

Q Can I use alkaline ion water to make ice?

A Yes, you can.
Use the ice made from alkaline ion water in the same way you would with the ice made from tap water.
If you store alkaline ion water in the tank of a refrigerator equipped with an automatic ice-making function, change the water within 2 days.

Q What else can I do with alkaline ion water besides drinking it?

A You can use it for cooking, making rice, making tea or coffee just as you would with regular water. (P. 32)

Q When alkaline ion water is poured into a glass, white bubbles are formed. What is this about?

A It means that air has become mixed in with the water inside the Alkaline Ionizer or that the bubbles (hydrogen gas) were formed during the process of electrolysis. Lots of bubbles may be formed after the Alkaline Ionizer has been installed or the cartridge replaced. There is no problem if you continue to use the Alkaline Ionizer.
※ The bubbles which form with acidic water are oxygen gas.

Q Why does alkaline ion water sometimes appear shiny?

A ※ The same is also sometimes true of purified water.
It is due to the precipitation of the components (mainly minerals) which are dissolved in the water. There is no problem if you drink the water, but if it bothers you, use the Alkaline Ionizer at a reduced pH (ion concentration) level. The same kind of thing happens when the cartridge function has deteriorated, in which case replace the cartridge with a new one.

Q What is the white powder that's deposited on the inside of the kettle and thermos flasks?

A It's the calcium from the water.
There is no problem if you drink the water, but if it bothers you, clean the containers concerned. If the white powder is not removed by cleaning, obtain some citric acid from a pharmacy, mix 50 g with one liter of water, leave to soak in the containers for two or three days, and then rinse the deposit off.

Q What is the white stuff that floats in the water which is produced when ice made using alkaline ion water has melted?

A These are minerals contained in the water.
When water is frozen, the minerals solidify on the surfaces of the ice. There is no problem if you swallow the white bits.

Q When I use alkaline ion water to cook rice, the rice becomes sticky. What can I do about this?

A The rice may be sticky or yellow depending on the amount of water and the type of rice and rice cooker used. Either reduce the pH (hydrogen ion concentration) level of the alkaline ion water or use the Alkaline Ionizer at the "Purified Water" setting.

Q What kind of water should babies be drinking?

A Water produced at the "Purified Water" setting is recommended for babies.
As babies are weaned, start using alkaline ion water gradually with the "Alkaline Level 1" (Drinking water for new user) setting.

Cartridge

Q I've been using the cartridge for over a year and the Cartridge Replacement Lamp has still not lit. Does this mean I don't have to replace the cartridge?

A You should replace the cartridge.
Although it has seen less use and its filtering performance is still satisfactory, its activated carbon may deteriorate rapidly due to changes in the water quality or other factors so replace it after using it for a year.

Q I want to replace the cartridge. What type should I use?

A

- For TK-AS45 users: Use the cartridge with model number TK-AS45C1-EX.
- For TK-AS41 users: Use the cartridge with model number TK7815C1ZEX.
- For TK-AS40 users: Use the cartridge with model number TK7505C1ZEX.

Q&A (問題與回答)

使用前

Q 不可使用地下水嗎？

A 不可使用。
因地下水水質差異大建議使用自來水。

Q 依不同水源 (自來水) 的性質在使用上的重點為何？

A 請參考下表。
但是，含過多碳酸時，有可能無法顯示鹼性的狀況。
此時，請煮沸鹼性離子水去除碳酸，恢復原來的鹼性。
另外水質硬度*偏高的水可能會有白色渾濁物沉澱。
• 使用時請將水質換至較強的鹼性，或關緊水龍頭減少通水量。

	海邊或島嶼	溫泉地區	含過多碳酸的水 (地下水)	硬度高的水	硬度低的水
水源性質	有可能混入鹽水	含硫磺 偏酸性	混入碳酸瓦斯 有酸性傾向 礦物成分多容易 通電	礦物成分多 容易通電	礦物成分少 較難通電
經電氣分解過的鹼性離子水性質？	易轉變為鹼性	硫酸離子的運作鹼性 離子水會偏中性	碳酸瓦斯鹼性離子水 會偏中性	易轉變為鹼性	較難轉變為鹼性
鹼性離子水的使用 重點	將水質轉換至較弱的鹼性。 與淨水混合使用。	將水質轉換至強鹼性。 關緊水龍頭減少通水量。	將水質轉換至強鹼性。 關緊水龍頭減少通水量。	將水質轉換至較弱的鹼性。 與淨水混合使用。	將水質轉換至強鹼性。 關緊水龍頭減少通水量。

※**硬度**：水裡含有鈣與鎂的濃度，依此濃度區分為硬度高的水、硬度低的水。

使用時

Q 誤飲到酸性水，應該沒有問題吧？

A 若是少量 (約1杯) 的話，沒問題。
不過請不要繼續飲用。若致身體不適時，請盡速就醫。

Q 可否去除溶解性鉛？

A 可以除去溶解性鉛。

Q 電解槽壽命850小時是什麼意思？

A 顯示電解槽電氣分解的累計時間，一天使用20分鐘的話，約有7年壽命。
電解槽通電時，電極板就處於消耗狀態。除了鹼2段和鹼3段的顯示燈以外，其他所有顯示燈同時亮起時，就顯示電解槽壽命已盡。請拜託經銷商直接幫你更換新的電解槽。

Q 長期 (標準約一週以上) 沒有使用時，該怎麼辦？

A • 請從本體取下濾芯，放入塑膠袋內之後，去除空氣，紮緊封口，放入雪櫃保存。
• 請拔下電源插頭。
• 再使用時，請裝上濾芯並插上電源，約通水3分鐘。
此外，一個月以上未使用的話，濾芯內的水會變質，最好換新的濾芯。

Q 不使用時也要插電嗎？

A 不使用時也請插電。
這樣才能夠電極板自動進行洗淨運轉。
另外不插電的話，無法累計通水量，也無法顯示濾芯的使用壽命。
※待機時，消耗電力約1 W。

Q 出水口流出的水與排水的出水比例是多少？

A 出水比例4：1，請注意測量方法。
不同型態的水請裝入同樣的容器內，請以同樣的時間條件做相互比較。
• 剛開始由排水管流出的水會偏多。
• 停止用水後，因要排除本體內的水，排水管側會囤積較多的水。
• 流量較少時，由排水管流出的水會稍微變多。

Q 為什麼使用中的鹼性離子水、酸性水沒有由排水管流出？

A 有可能排水管扭轉變形。
在排水管無法流出水的狀態下使用時，易造成故障的原因。
此外，因無法正確分解，請檢查排水管，請重新裝置到水流出為止。

Q 通水使用的熱水可用到幾度為止呢？

A 本體部分不超過35℃，分水開關到不超過80℃。
P. 13

Q 為何與開始飲用時的pH值相較下明顯弱化時？

A 有可能是因為本體內附著鈣沉澱物，促使電解效能變差。

Q 濾芯更換顯示燈比預估更換時期提早亮起時，該怎麼辦？

A 通水量或通水壓力降低時，濾芯交換顯示燈也會亮起。
P. 50、51
請確認是否因水壓太低導致通水量不足，或水管折到，壓到了。
水質狀況不一樣，有時候濾芯會提早阻塞，這時就該換濾芯。

Q 總三鹵甲烷是什麼？

A 氯仿、一溴二氯甲烷、二溴一氯甲烷、溴仿等四種化合物的總稱。

Q 2-MIB是什麼？

A 2-甲基冰片的總稱，造成地下水霉臭味礦物質的一種。

Q 酸性水有異味時，為何會這樣？ (類似游泳池的味道)

A 因為酸性水含有很多次氯酸的關係。就這樣直接用是沒問題的。
因電解中水中的氯離子會吸收酸性水產生次氯酸。

Q 將電解水生成器放在收音機附近會有雜音出現？

A 靠近本體確實會讓收音機產生雜音。所以請將收音機放置離本體遠一點。

Q&A (問題與回答) (接續)

關於鹼性離子水

Q 第一次使用鹼性離子水，該怎麼做？

A 第一次使用鹼性離子水的方法，請由「鹼1段」開始飲用。
初期少量飲用，過1 ~ 2週後，視身體狀況使用「鹼2段」或「鹼3段」的水。

Q 有服藥的人也可能喝鹼性離子水嗎？

A 服藥時請飲用「淨水」。
非服藥時的飲用、調理的話，請使用鹼性離子水。

Q 開始飲用鹼性離子水後，出現拉肚子或發疹現象？

A 請立即停止飲用看醫生。
看醫生時請記得轉告2件事。
• 喝下的水的鈣質、鎂、鈉、鉀等的礦物質含量比自來水多。
• 飲用的水pH值在8 ~ 9 (飲用初期) 之間，屬鹼性。

Q 患有腎病的人能飲用鹼性離子水嗎？

A 飲用前請詢問醫生。
看醫生時請記得轉告2件事。
• 欲飲用的水的鈣質、鎂、鈉、鉀等的礦物質含量比自來水多。
• 欲飲用的水pH值是9.5，屬鹼性。

Q 鹼性離子水中，含有多少鈣離子量？

A 與原水相較下水中的鈣離子經過電解後會增加20% ~ 30%。

Q 可以保存多久的時間？

A 常溫下可保存24小時以內。
鹼性離子水時，因已去除自來水中的氯 (殺菌劑)，較容易孳生細菌。使用雪櫃保存時，請裝入乾淨的密閉容器內可保存2天以內。
※使用酸性水時，也可保存2天以內。

Q 鹼性離子水可以拿來製冰嗎？

A 可以使用的。
製成冰的時候，請比照自來水的方式一樣製冰即可。若雪櫃附有自動製冰備用水槽時，請2天內替換一次。

Q 鹼性離子水，除了可直接飲用之外，不能有其他用途嗎？

A 做菜或煮飯使用的水，泡茶或咖啡等，請比照一般水使用即可。 (P. 33)

Q 倒於杯內的鹼性離子水會出現白色泡沫，是什麼？

A 是本體中混入空氣或電解時所產生的泡沫 (氫離子)，設置後和更換濾芯後常會發生，儘管使用不會有問題。
※酸性水時，會產生的泡沫是氧離子。

Q 鹼性離子水看起來亮亮的，這是什麼？

A ※ 淨水時也會出現相同現象。
這是溶解於水中的成分 (主要是礦物質成分)。
即使喝下去也不會有問題，但若在意的話，則可將pH值 (離子濃度) 降低後再使用。另外，濾芯機能降低時，也會產生相同的現象，這時請更換濾芯。

Q 水壺或熱水瓶等容器中附著一層白色物質，不知道是什麼？

A 這是水中的鈣。
請安心使用。如果容器上的白色物質無法洗掉時，可到西藥房購買檸檬酸，以1公升50 g的比例，浸泡2 ~ 3天後用水清洗。

Q 用鹼性離子水做成的冰溶解後，會浮上一層白白的物質是什麼？

A 那是水中的礦物質成分。
當水結凍時，礦物質會凝固在冰表面，就算喝下去也不會有問題。

Q 用鹼性離子水煮飯時，有時飯會變的很黏，該怎麼辦才好？

A 有時會因水的多少、米或電鍋的種類，致使煮出來的飯黏稠或變黃。如果有這樣情況的話，可已將pH值 (離子濃度) 降低，或使用「淨水」。

Q 嬰幼兒飲用何種水比較好？

A 嬰幼兒請使用「淨水」。
搭配離乳食物，依序漸進地使用「鹼1段」。

關於濾芯

Q 我已經使用濾芯超過了一年，但濾芯更換顯示燈仍未亮起，不用更換嗎？

A 請更換濾芯。
因使用量較少，雖然還有過濾機能，但因為水質的變化，會使活性碳急劇損壞的情況發生，請更換使用1年的濾芯。

Q 想換濾芯，哪種濾芯是適用的？

A

- 對於TK-AS45使用者：請使用濾芯型號TK-AS45C1-EX的濾芯。
- 對於TK-AS41使用者：請使用濾芯型號TK7815C1ZEX的濾芯。
- 對於TK-AS40使用者：請使用濾芯型號TK7505C1ZEX的濾芯。

Specifications

Model		TK-AS45	TK-AS41	TK-AS40
Rating		220 V – 240 V ~, 50 Hz, 0.3 A		
Power consumption		Approx. 55 W (approx. 1 W during standby)		
Main unit	Dimensions	170 mm (W) × 101 mm (D) × 291 mm (H)		
	Weight	Approx. 3.0 kg (approx. 3.5 kg when full of water)		
Temperature of water used by Alkaline Ionizer		Under 35 °C (under 80 °C for bypass selector)		
Pressure of water used by Alkaline Ionizer (dynamic pressure)		70 kPa to 350 kPa		
Usable water service pressure (static pressure)		70 kPa to 750 kPa		
Electrolysis	Electrolysis method	Continuous electrolysis		
	Output water volume (flow of water produced)	2.0 liters/min. (at 100 kPa water pressure) 3.0 liters/min. (at 200 kPa water pressure)		
	Electrolytic capability selection	Alkaline: 3 levels; Acidic: 1 level		
	Continuous operation capability	Approx. 30 minutes at room temperature (Note 2)		
	Electrolyzer life	Approx. 850 hours cumulative (ion water production time, cleaning time only)		
	Electrolytic cleaning	Auto cleaning method (cleaning time: approx. 8 seconds, waste water drain time: approx. 30 seconds)		
Purified water output volume		2.0 liters/minute (at 100 kPa water pressure)		
Filtration flow volume		2.5 liters/minute (at 100 kPa water pressure)		
Cartridge installed in the main unit		TK-AS45C1-EX	TK7815C1ZEX	TK7505C1ZEX
Purification capacity (Note 1)	Free residual chlorine	12 000 liters (Note 3)	12 000 liters (Note 3)	12 000 liters (Note 3)
	Turbidity	12 000 liters (Note 4)	12 000 liters (Note 4)	12 000 liters (Note 4)
	Total trihalomethane	12 000 liters (Note 3)	12 000 liters (Note 3)	12 000 liters (Note 3)
	Chloroform	12 000 liters (Note 3)	—	—
	Bromodichloromethane	12 000 liters (Note 3)	—	—
	Dibromochloromethane	12 000 liters (Note 3)	—	—
	Bromoform	12 000 liters (Note 3)	—	—
	Tetrachloroethylene	12 000 liters (Note 3)	—	—
	Trichloroethylene	12 000 liters (Note 3)	—	—
	1,1,1-Trichloroethane	12 000 liters (Note 3)	—	—
	CAT	12 000 liters (Note 3)	—	—
	2-MIB (mold smell)	12 000 liters (Note 3)	12 000 liters (Note 3)	12 000 liters (Note 3)
	Soluble lead	12 000 liters (Note 3)	12 000 liters (Note 3)	12 000 liters (Note 3)
Substances other than above that can be removed	Iron (particulate form) (Note 5)	—		
	Aluminum (neutral) (Note 5)	—		
	Geosmin (mold smell) 12 000 liters (Note 5)	—		
	Phenols 12 000 liters (Note 5)	—		
Guide for time to replace cartridge		Approx. 1 year (Note 6)		
Filter material		Non-woven fabric, granular activated carbon, ceramic, powdered activated carbon, hollow fiber membrane		
Components which cannot be filtered out		Iron dissolved in water, heavy metals (silver, copper, etc.), salt (seawater)		
Length of power cord		Approx. 3 m		
Power protection device		Current fuse: 2.5 A		
Overheating protection devices (inside isolation transformer)		Overheating protector (automatic resetting type, activated at temperature of 120 °C) Thermal fuse (activated at temperature of 145 °C)		

※ All figures given are for a water temperature of 20 °C.
※ This product cannot convert hard water into soft water.
※ The total volume of water coming out of the main spout and drain hose is given as the run-through water volume and daily volume of water used.

Note 1: The water which can be used as alkaline ion water and acidic water is equivalent to about 80% of the filtration flow volume.

Note 2: This period may be shorter depending on the water quality and usage environment.

Note 3: This value is for a removal rate of 80% based on JIS S 3201 tests.

Note 4: This value is for a filtration flow volume of 50% based on JIS S 3201 tests.

Note 5: This value is for a removal rate of 80% based on specification standard tests (JWPAS B standards) stipulated by the Japan Water Purifier Association (JWPA).
Note that the removal of iron (particulate form) and aluminum (neutral) are not stipulated as part of purification capacity.

Note 6: This period applies when 30 liters of water are used a day. If 60 liters are used a day, the cartridge usage limit will be approximately one-half. The period may also be significantly less depending on the amount of water used and on its quality and pressure.

規格

型號		TK-AS45	TK-AS41	TK-AS40
定額		交流220 V – 240 V ～, 50 Hz, 0.3 A		
消耗電力		約55 W (待機時: 約1 W)		
本體	尺寸	寬170 mm × 深101 mm × 高291 mm		
	重量	約3.0 kg (滿水時: 約3.5 kg)		
本體適用水溫		不超過35 °C (分水開關不超過80 °C)		
本體適用水壓 (動水壓)		70 KPa ~ 350 KPa		
水管適用壓力 (靜水壓)		70 KPa ~ 350 KPa		
電解	電解方式	連續電解方式		
	出水量 (生成水流量)	2.0 公升/分鐘【水壓100 kPa】 3.0 公升/分鐘【水壓200 kPa】		
	電解能力切換	鹼性: 3階段 酸性: 1階段		
	可以連續使用時間	常溫時約30分鐘 (註2)		
	電解槽壽命	約為850小時・(僅包涵離子水生成時間・洗淨時間)		
	電解洗淨	自動洗淨方式 (洗淨時間約8秒鐘・排水時間約30秒鐘)		
淨水出水量		2.0 公升/分鐘【水壓100 kPa】		
過濾流量		2.5 公升/分鐘【水壓100 kPa】		
本體適用濾芯		TK-AS45C1-EX	TK7815C1ZEX	TK7505C1ZEX
淨水能力 (註1)	殘留氯	12 000 公升	(註3)	12 000 公升 (註3)
	污濁物	12 000 公升	(註4)	12 000 公升 (註4)
	總三鹵甲烷	12 000 公升	(註3)	12 000 公升 (註3)
	三氯甲烷	12 000 公升	(註3)	—
	二氯一溴甲烷	12 000 公升	(註3)	—
	二溴一氯甲烷	12 000 公升	(註3)	—
	三溴甲烷	12 000 公升	(註3)	—
	四氯乙烯	12 000 公升	(註3)	—
	三氯乙烯	12 000 公升	(註3)	—
	1,1,1-三氯乙烷	12 000 公升	(註3)	—
	CAT	12 000 公升	(註3)	—
	2-MIB (黴菌臭)	12 000 公升	(註3)	12 000 公升 (註3)
其他可清除的物質	溶解性鉛	12 000 公升	(註3)	12 000 公升 (註3)
	鐵 (微粒子狀) (註5)	—		
	鋁 (中性) (註5)	—		
	土臭素 (黴菌臭) 12 000 公升 (註5)	—		
	酚類 12 000 公升 (註5)	—		
濾材 (濾芯) 更換時間		約1年 (註6)		
濾材種類		特殊濾布・粒狀活性碳・特殊陶瓷・粉末活性碳・中空絲膜		
不可去除成分		溶解於水中的鐵・重金屬 (銀・銅等) 或鹽份 (海水)		
電源線長度		約3 m		
電流保護裝置		保險絲: 2.5 A		
高溫過熱保護裝置 (絕緣變壓器內)		過熱防止器 (自動恢復式・啟動溫度: 120 °C) 溫度保險絲 (啟動溫度: 145 °C)		

※數值是指在水溫20 °C時適用。
※無法將硬水轉變為軟水。
※供水量和一天的用水量是指出水口・排水管流出的總水量。
(註1) 使用鹼性離子水・酸性水時・過濾流量及過濾能力約80%。
(註2) 因水質及使用環境不同・有可能縮短。
(註3) 依據JIS S 3201試驗・去除率為80%。
(註4) 依據JIS S 3201試驗・為過濾流量50%的值。
(註5) 依據淨水器協會 (JWPA) 所訂定之規格標準 (JWPAS B標準) 試驗・去除率為80%。
此外・鐵 (微粒子狀) 和鋁 (中性) 並非淨水能力的規定標準。
(註6) 一天使用量為30公升時・若一天使用量為60公升時・濾芯使用期限為1/2。
因地區・水質・水壓等因素・更換時間會有明顯差異。