



Inspection	Check the Alkaline Ionizer you've been using for years!	
	<p>Are any of the following symptoms applicable?</p> <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. 	<p>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.</p>

愛心檢查	應對長年累月使用的電解水生成器進行檢查	
	<p>是否有這樣的現象？</p> <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。 	<p>出現以上現象時，請停止使用，避免故障或事故發生。從插座拔下電源插頭，務必委託經銷商人員檢查</p>

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Panasonic®

Instruction Manual 使用說明書

Alkaline Ionizer

Household Use

電解水生成器

家庭用

Model No. **TK-AS40** **White**

TK-AS41 **Silver**



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 5) 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.
- 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」(6～7 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。

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.
- **TK-AS41** : It eliminates free residual chlorine, turbidity, total trihalomethane, chloroform, bromodichloromethane, dibromochloromethane, bromoform, tetrachloroethylene, trichloroethylene, 1,1,1-trichloroethane, CAT, 2-MIB (mold smell), soluble lead, so that the water you drink will be tasty.

TK-AS40 : It eliminates free residual chlorine, turbidity, total trihalomethane, 2-MIB (mold smell), soluble lead, so that the water you drink will be tasty.

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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。
- TK-AS41：可去除殘留氯、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，生成美味的淨水。
- TK-AS40：可去除殘留氯、污濁物、總三鹵甲烷、2-MIB（黴菌臭）、溶解性鉛，生成美味的淨水。

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使用前

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Safety Precautions

These must be observed


Be sure to observe these precautions

- **Do not disassemble, repair or remodel the Alkaline Ionizer.**

Doing so can lead to a fire and/or electric shocks.

- If the Alkaline Ionizer needs to be repaired, consult your dealer.

- **Do not harm the power cord or power plug in any way by, for instance:**

- 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.

Using a damaged cord or plug can lead to electric shocks, short circuit and/or a fire.

- When disconnect the power plug from the power outlet, take hold of the molded part of the plug rather than the cord itself, and pull the plug free.
- If the cord or plug needs to be repaired, consult your dealer.

- **Insert the power plug firmly.**

If the plug is not inserted properly, electric shocks or a fire caused by heat generation may result.

- Do not use a damaged plug or loose power outlet.

- **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.

- **Do not use the power outlet or wiring device at levels beyond its ratings, and supply only 220 V – 240 V AC voltage to the Alkaline Ionizer.**

If the ratings are exceeded because too many electrical cords have been connected to a single outlet, a fire caused by heat generation may result.

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

Doing so can lead to electric shocks.

- **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.**

Touching the Alkaline Ionizer while it is in water or wet may cause electric shocks.

- If the Alkaline Ionizer needs to be repaired, consult your dealer.

- **Use only water (such as tap water) which has been approved for consumption.**

Since this Alkaline Ionizer does not sterilize or disinfect the water or remove toxic substances, the consumption of non-approved water is a health hazard.

- **People with the following conditions should consult a doctor before drinking alkaline ion water.**

- 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 damage (particularly users who have renal failure or who have difficulty in eliminating potassium from their systems)

- **People in the following situations should consult a doctor before applying acidic water to their skin.**
 - 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” (Drinking water for new user) setting for about two weeks, and then start using the “Alkaline Level 2” (Drinking water for Experienced user) setting, and finally select to the “Alkaline Level 3” (Drinking water in daily life) setting.**
Failure to observe this sequence of settings may cause health problems.
- **When storing alkaline ion water or purified water for future consumption, pour it 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 and disinfectants (such as chlorine) so the water may go bad over time, possibly causing health problems.
- **Do not take medicine with alkaline ion water.**
- **Consult a doctor 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.**
- **If you have applied acidic water to your skin and you experience skin problems, stop use immediately, and consult a doctor.**
- **Do not directly consume water (strongly alkaline water) whose pH level exceeds 10.**
Doing so may cause health problems.
 - It is recommended that the water you consume has a pH level of around 9.5 (provided at the “Alkaline Level 3” (Drinking water in daily life) setting). Keep the general amount of water consumed daily at around 0.5 liter to 1 liter.
- **Do not drink the following kinds of water:**
 - 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 or during the automatic cleaning of the electrodes
 - Water which contains pH test liquid.
 Doing so may cause health problems.
- **Do not allow water above 60°C in temperature to pass through the Alkaline Ionizer.**
You may scald yourself if you do so.
- **When starting to use the Alkaline Ionizer, flush out the water which has collected inside.**
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.
Failure to do this may cause health problems.
- **Do not use alkaline ion water, acidic water or purified water for fish.**
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.


請遵守下列內容

● 請勿自行分解、修理、改造

避免發生火災或觸電。

- 維修請洽經銷商。

● 請勿讓電源線、電源插頭有所破損

- 不用 U 型釘（）予以固定
- 勿讓受損
- 不加工
- 不彎曲
- 不扭折
- 不強拉
- 不靠近發熱之處
- 不放置重物
- 不夾住
- 不束成一捆使用等

損壞還照常使用時，容易造成觸電、短路、和發生火災的原因。

- 拔除電源時，不可只拉電源線，請握著電源插頭部分拔掉。
- 有關維修請洽經銷商或代理店。

● 請確實地將電源插頭完全插入插座內

避免插入不完全，而造成觸電或發熱而引起火災。

- 請勿使用破損的插頭、或已鬆弛的插座。

● 請定期清除電源插頭上所沾染的灰塵

當插頭上堆積灰塵時，會因濕氣等而造成絕緣不良，釀成火災。

- 請拔掉電源插頭，用乾布擦拭。

● 多孔插座或配線器具，請勿超載使用；請勿使用交流 220 V – 240 V 以外

避免多孔插座等超載使用，而因發熱釀成火災。

● 請勿在手濕的情況下碰觸電源插頭

避免發生觸電。

● 本體不小心掉落水中時，先將電源插頭拔起再取出本體並停止使用

避免發生觸電。

- 維修請洽經銷商。

● 請勿使用自來水以外的水源

由於沒有殺菌處理及沒有去除有害物質，飲用之後易損害健康。

● 符合以下條件者，在飲用鹼性離子水前，請先諮詢醫師

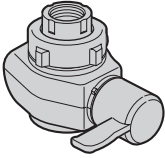



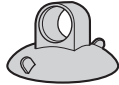



- 正在接受醫師治療者
- 帶病者或身體虛弱者（感覺異常者）
- 患有腎臟病者（特別是對腎功能不全或鉀排泄有障礙者）

- 符合以下條件者，在使用酸性水前，請先諮詢醫師
 - 肌膚脆弱者
 - 過敏性體質者
- 剛開始飲用的方法，是先由「鹼 1 段」開始少量飲用（約 2 週），當身體適應後，再以「鹼 2 段」或「鹼 3 段」
有可能損壞身體健康。
- 放置鹼性離子水或淨水時，請以乾淨的密閉容器裝入，常溫下可保存 1 天，冰箱內可保存 2 天
已去除氯，水容易變質，易造成損害健康的原因。
- 請勿以鹼性離子水服用藥物
- 飲用鹼性離子水後發生身體異常時，或者持續飲用也無法改善不適症狀時，請先諮詢醫師
- 在使用酸性水，而發生肌膚異常時，請立即停止使用，並諮詢醫師
- 請勿飲用超過 pH 值 10（鹼性強）
易造成損害健康的原因。
 - 建議飲用 pH 值 9.5 前後「鹼 3 段」。此外，1 日的飲用量請控制在 0.5 公升至 1 公升的範圍。
- 符合以下條件的水請勿飲用
 - 酸性水
 - 由排水管流出的水
 - 水質顯示燈閃燈時或電極自動洗淨期間由主出水口流出的水
 - pH 試劑滴入之水易造成損害健康的原因。
- 請勿讓 60°C 以上的熱水流經本體
避免造成灼傷。
- 啓用時會流出殘留於本體中的水
每日初次使用時：約 0.6 公升（約 15 秒鐘）通水後使用。
2 天以上停止使用時：約 8 公升（約 3 分鐘）通水後使用。
易造成損壞健康的原因。
- 請勿將鹼性離子水或酸性水、淨水等養魚
避免造成生態環境改變，導致養殖魚類死亡。
- 請勿使用不耐鹼性鋁製容器或不耐酸性銅製容器等
避免容器變色、損傷。

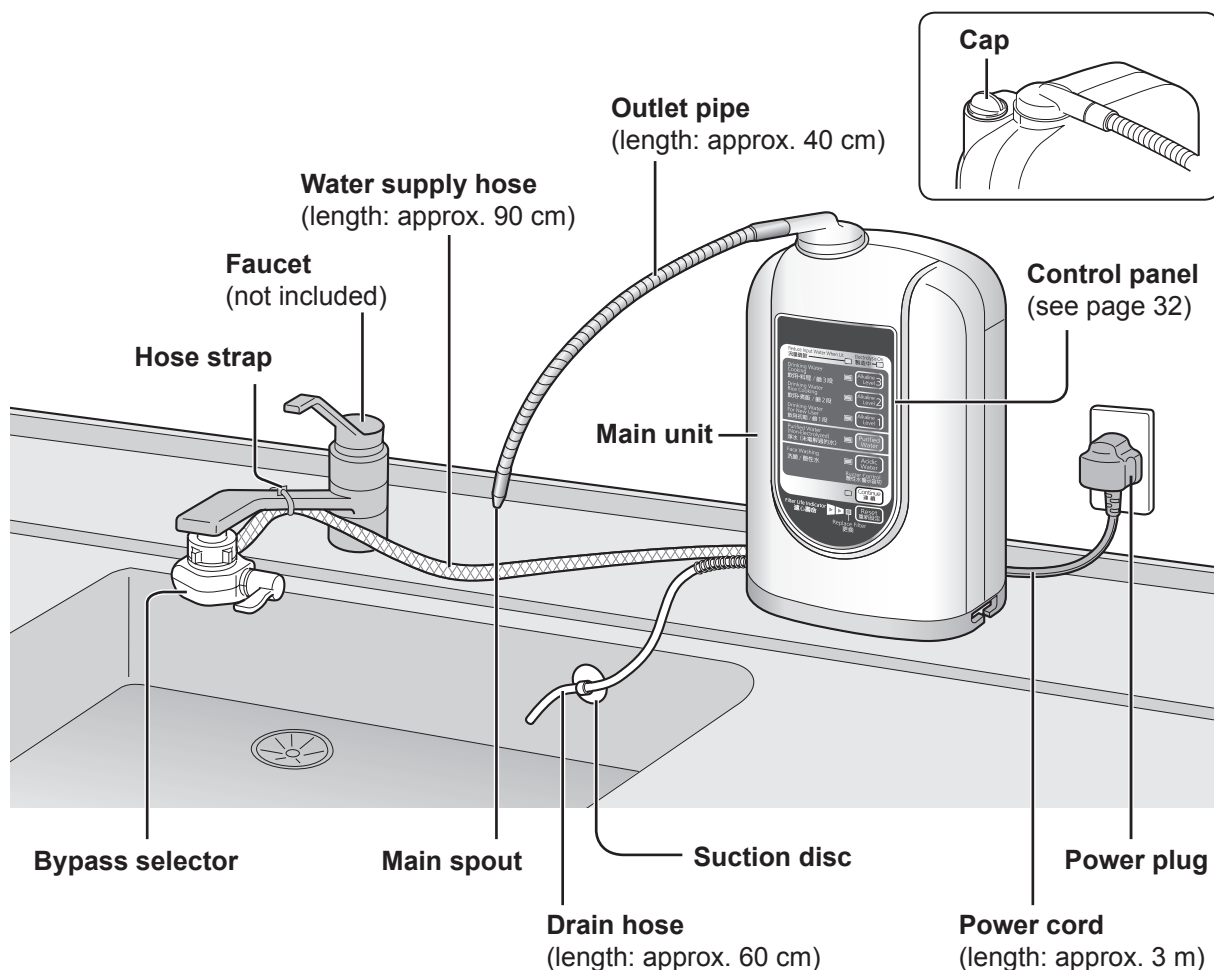
Supplied Accessories/配件

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
 <p>Bypass Selector 分水開關</p>	 <p>Hose Strap 軟管固定綁帶</p>	
	 <p>With gasket 附有墊片</p> <p>Outlet Pipe 出水管</p>	
 <p>Installation Adaptor (with 4 screws) 安裝轉接器 (附有四個螺絲)</p>	 <p>Suction Disc (for drain hose) 吸盤 (排水管用)</p>	
 <p>Bushing (with gasket) 密封套 (附有墊片)</p>	 <p>Caution Label 注意標籤</p>	 <p>pH Test Kit pH 值測試套件</p>

Names of the Parts and Steps to Take Before Operation

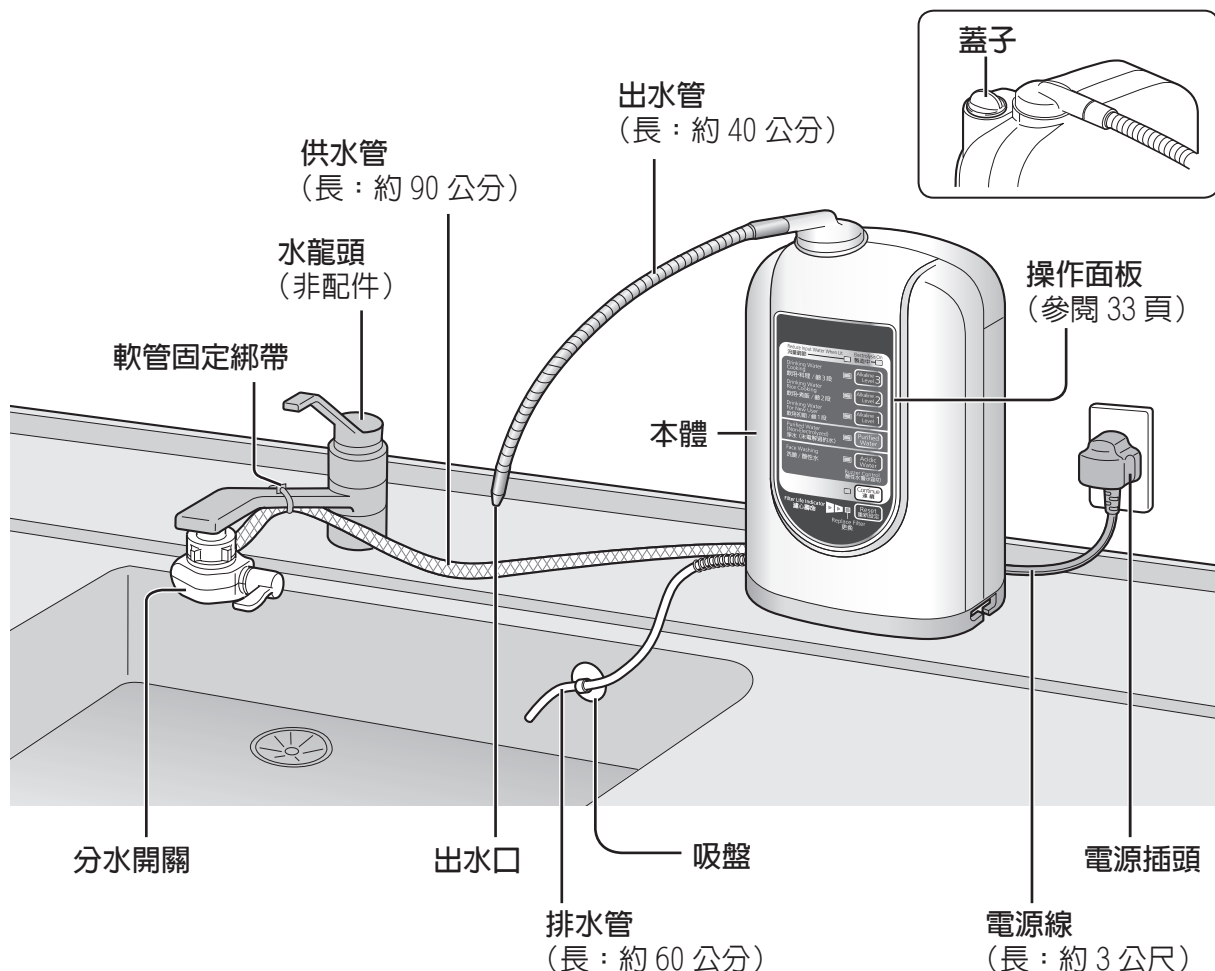


Steps to take before operation

- 1** Checking the faucet
(see page 11)
- 2** Attaching the bypass selector
(see pages 12 to 17)
- 3** Installing the Alkaline Ionizer
(see pages 18 to 21)
- 4** Connect the power plug to the power outlet
(see page 21)
- 5** 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 - 40 seconds.
- 6** Check that no water is leaking and also that water is coming out of the main spout and drain hose (see pages 24 and 25)
- 7** Measuring the pH level (ion concentration)
(see pages 26 and 27)

Operation (see pages 34 to 36)

各配件名稱和準備



使用前的準備順序

1 查看水龍頭
(參閱 11 頁)

2 安裝分水開關
(參閱 12 ~ 17 頁)

3 安裝本體
(參閱 18 ~ 19、22 ~ 23 頁)

4 插入電源插頭
(參閱 23 頁)

5 以淨水通水約 3 ~ 4 分鐘
(為排出本體內的空氣)
● 水質顯示燈閃燈約 10 ~ 40 秒。

6 確認漏水與否，並確認出水口或排水管流水與否
(參閱 24 ~ 25 頁)

7 測定 pH 值 (離子濃度)
(參閱 26 ~ 27 頁)

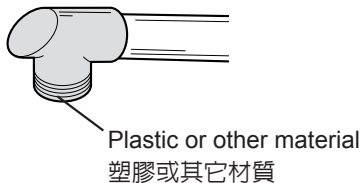
使用 (參閱 38 ~ 40 頁)

Checking the Faucet/ 查看水龍頭

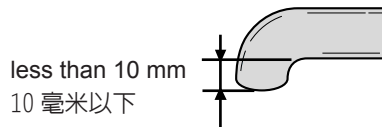
Water faucet which can not install the Alkaline Ionizer

不能連接電解水生成器的水龍頭

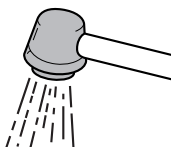
- Faucet without a metal lip end
- 無金屬管唇端部的水龍頭



- Faucet with an end of 10 mm or less
- 水龍頭的端部在 10 毫米以下者



- Shower nozzle
- 噴頭嘴



- Faucet with sensor
- 附傳感器的水龍頭

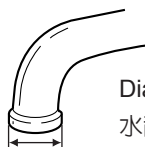


NOTE/ 注意

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: 24~32 mm

水龍頭端部管徑：24 ~ 32 毫米



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

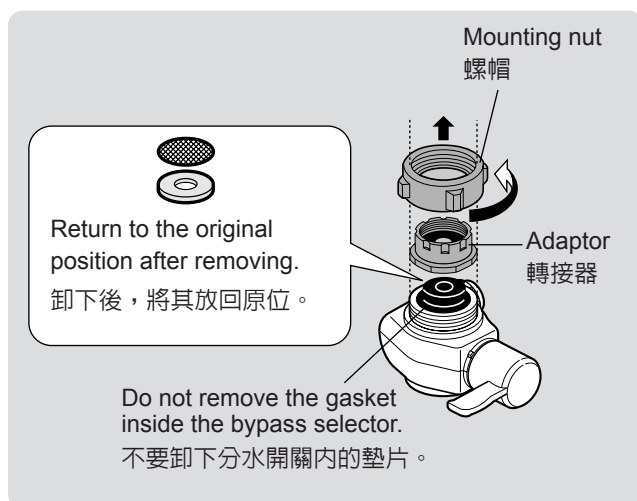
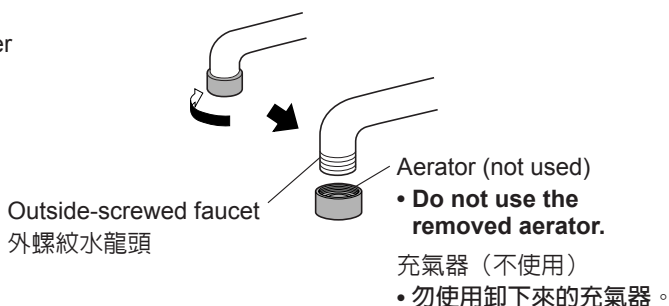
- Keep all parts that are not used during installation, as they may be needed later if the unit is moved or the faucet is changed.
- 沒有使用到的零件，請妥善保存，以備搬家或購買新水龍頭時之需求。

Outside-screw faucet

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

外螺紋水龍頭時

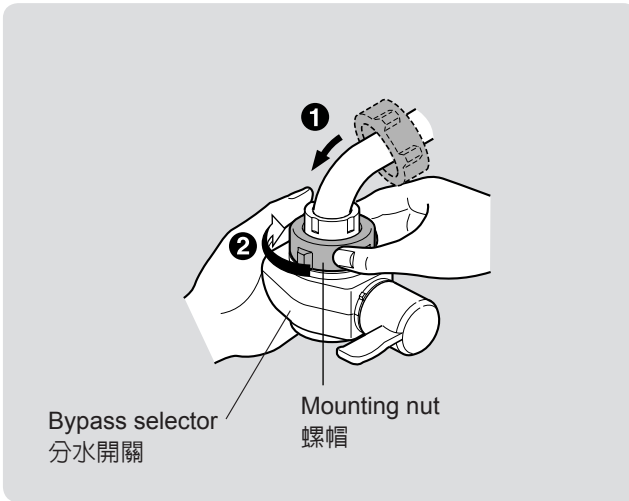
- 不需附件即可將電解水生成器連接至水龍頭上。



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



- 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。）

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

- 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-screwed faucet

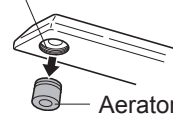
- Water faucet which can attach the Alkaline Ionizer with an accessory.

內螺紋水龍頭時

- 需用一附件才能將電解水生成器連接到水龍頭上。

Inside-screwed faucet

內螺紋水龍頭

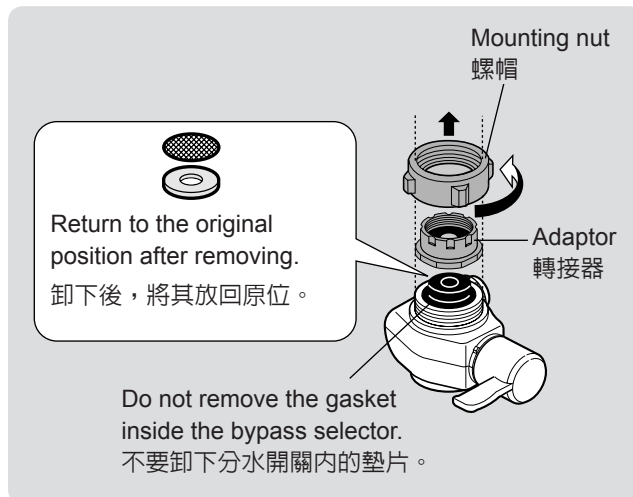


Aerator (not used)

- **Do not use the removed aerator.**

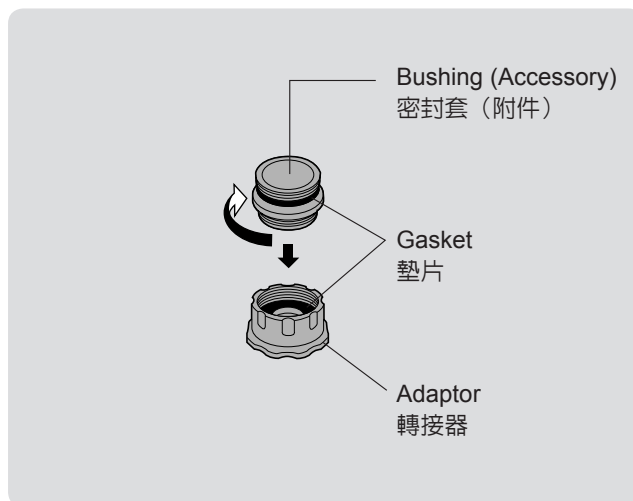
充氣器（不使用）

- 勿使用卸下來的充氣器。



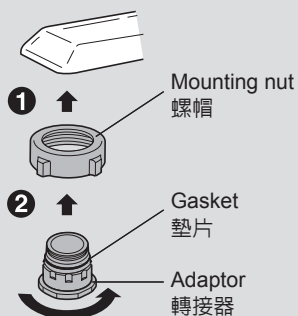
1 Remove the mounting nut and adaptor.

卸下螺帽和轉接器。



2 Screw in the bushing. Insert into the adaptor.

擰入密封套。插入轉接器。

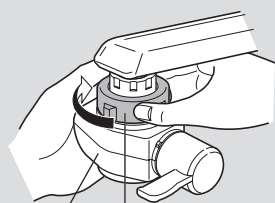


3

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。



Bypass selector
分水開關

Mounting nut
螺帽

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。）

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

- 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

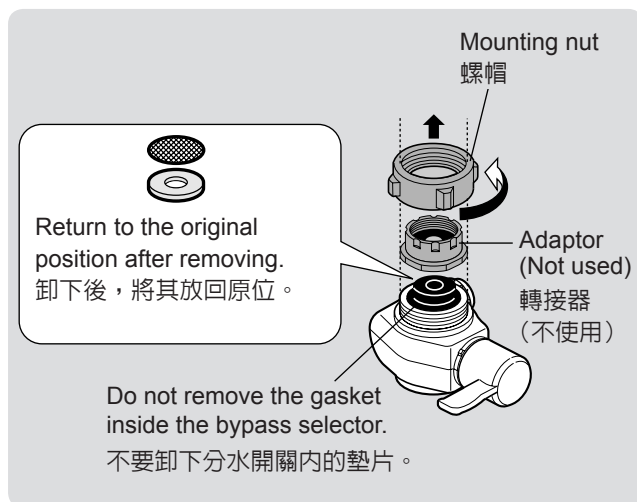
- Water faucet which can attach the Alkaline Ionizer with accessory.

無充氣器的水龍頭時

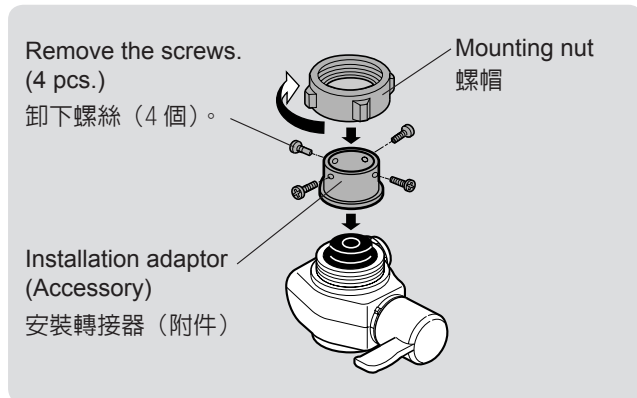
- 需用一附件才能將電解水生成器連接到水龍頭上。



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



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

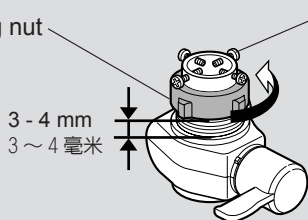


- 2 Insert the installation adaptor, and tighten it with the mounting nut.**
插入安裝轉接器並用螺帽將其緊固。

Mounting nut
螺帽

3 - 4 mm
3 ~ 4 毫米

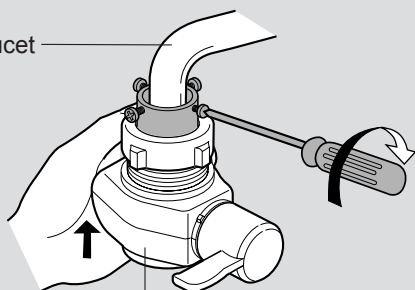
Screws
(4 pcs.)
螺絲 (4 個)



3 Tighten the 4 screws temporarily and loosen the mounting nut to leave a 3 - 4 mm gap.

先暫時緊固 4 個螺絲，然後再鬆動螺帽，留出 3 ~ 4 毫米的空隙。

Water faucet
水龍頭

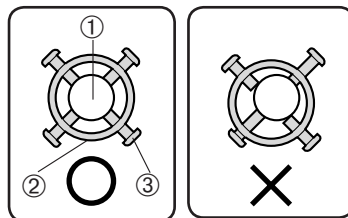


Bypass selector
分水開關

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。

- Top view
- 上視圖



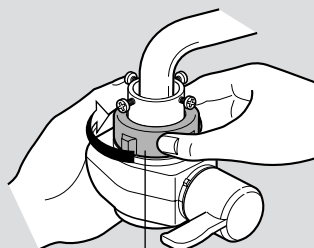
- | | |
|------------------------|---------|
| ① Water faucet | ① 水龍頭 |
| ② Installation adaptor | ② 安裝轉接器 |
| ③ Screws | ③ 螺絲 |

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。)

Mounting nut
螺帽



Installing the Alkaline Ionizer/ 安裝本體

Installation precautions/安裝上的注意事項

- **Do not install the Alkaline Ionizer in any of the following locations:** (Doing so may cause malfunction.)
 - Where there are naked flames or near other high-temperature area (above 60 °C)
 - Where the Alkaline Ionizer will be exposed to direct sunlight
 - Where oil or grease will stick to the Alkaline Ionizer
 - Outdoors or where the Alkaline Ionizer will be exposed to the wind and rain
 - In a bathroom or where the Alkaline Ionizer will be exposed to water or steam
 - Where it may freeze
- **Do not use a hose or other such product sold on the market to extend the water outlet.** (Doing so may cause malfunction.)
- **Do not connect the Alkaline Ionizer to a hot water-only faucet.** (Doing so may cause malfunction.)

CAUTION

- **Install the main unit on a level surface.**
The main unit may topple over if it is installed on an unstable surface, possibly causing 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.
 - For details concerning wall mounting, refer to "Optional Accessories" on page 53.
- **Do not block the water outlet or bend, twist or flatten the hose.**
Doing so may cause water to leak, prevent the output of water with the proper pH level or cause other malfunctions.
- **Do not connect a hose or any other appliances to the main spout.**
Doing so may cause water to leak.
- **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 such as an instantaneous water heater** (whose construction does not permit the water to be stopped at the hot water outlet).
Doing so may lead to malfunction in the water boiler or heater.
- **請勿安裝符合以下場所。(易造成故障)**
 - 使用火的地方、靠近其他高溫處 (60 °C以上)
 - 黏附油污的地方
 - 浴室或容易有水或蒸氣的地方
 - 直接照射日光的地方
 - 室外或風吹雨打的地方
 - 可能會結凍的地方 等
- **請勿使用市面上販售的水管等加長於出水口。(避免故障)**
- **請勿安裝於熱水專用的水龍頭。(避免故障)**

注意

- **本體請設置於平坦的地方**
避免設置於不穩定的狀態下，易造成翻落，導致受傷。
- **欲將本體設置於壁面時，務必請經銷商或水電行施工**
避免自己設置，亦造成落下或事故的原因。
 - 壁面安裝，請參閱 53 頁。
- **請勿堵塞出水口、彎曲凹折水管、扭曲擠壓**
避免漏水或流不出適當的 pH 值水，而故障的原因。
- **出水口處請勿接用水管或其他器具**
避免造成漏水或故障的原因。
- **請勿安裝於沒有防逆流裝置的熱水器**
避免造成熱水器故障的原因。
- **請勿安裝在熱水器專用的水龍頭上 (無法控制熱水的出水設計)**
避免造成熱水器故障的原因。

Preparations/準備

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

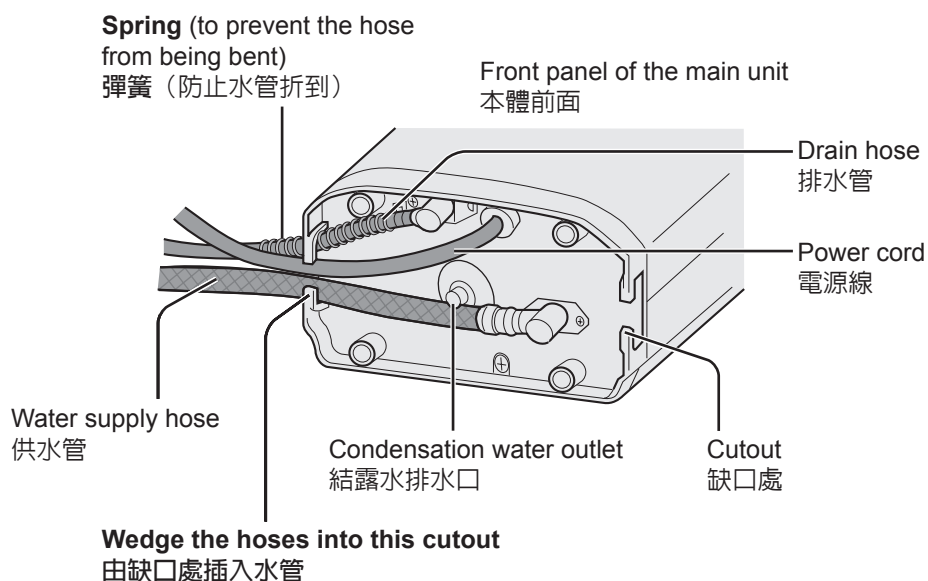
- Do not flatten or bend the cord or hose.

配合設置場所，拉出電源線、水管

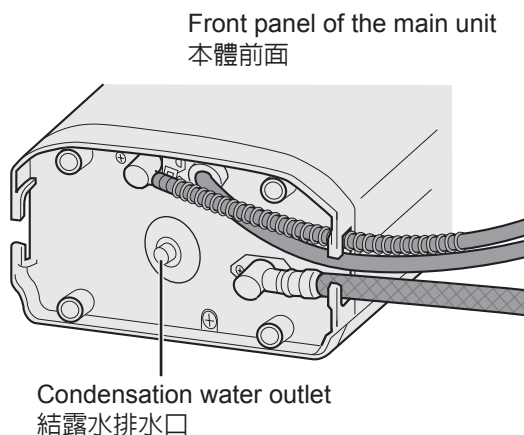
- 請勿壓扁或曲折。

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



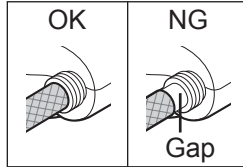
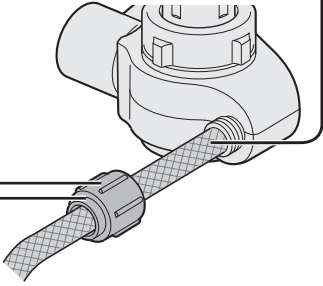
When extending the cord and hose from the right/ 從右側拉出的狀況



Installing the Alkaline Ionizer (continued)

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

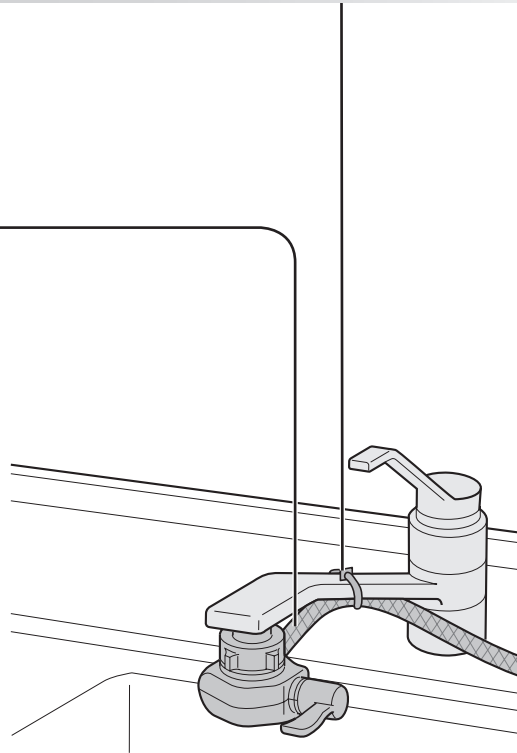
- 1 Remove the hose fastening nut from the bypass selector, and pass the hose through the nut.
- 2 Insert the water supply hose into the bypass selector as far as it will go.



- 3 Tighten up the hose fastening nut securely.

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

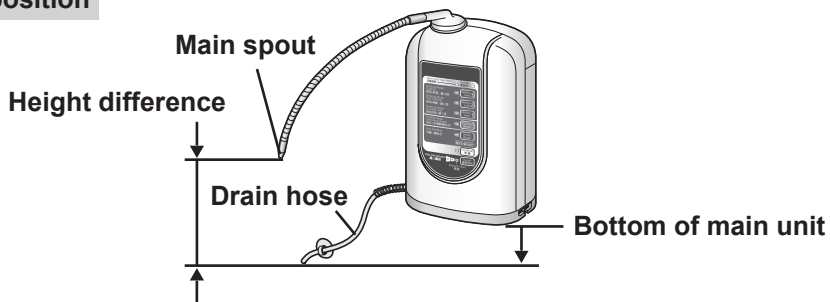
2 Secure the water supply hose (using the hose strap)



4 Secure the drain hose using the suction disc.

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

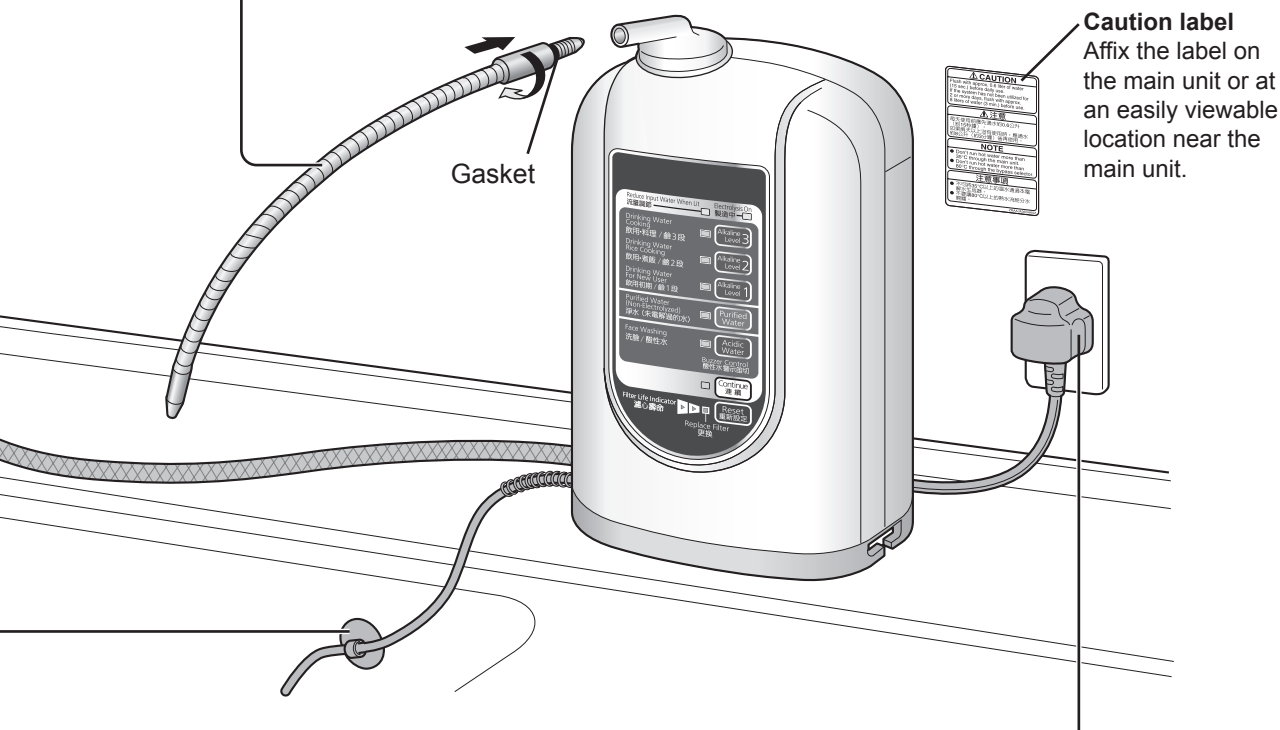
Installation position



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).

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).



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

- 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

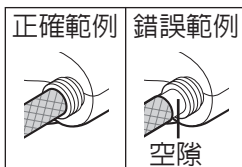
- If the hose is too long, it is recommended that you cut it to the proper length (cut it straight down).
- Immediately after the Alkaline Ionizer has been installed, the water quality indicator lamp blinks for about 10 - 40 seconds when water is run through the Alkaline Ionizer. (See page 9.)

安裝本體（接續）

1 準備完畢時 連接供水管

❶ 由分水開關拆掉水管的螺帽，使供水管疏通

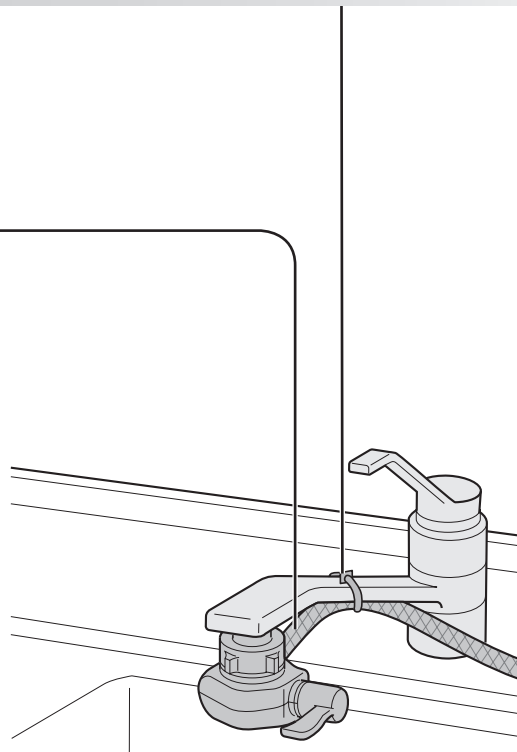
❷ 供水管插入到底



❸ 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)

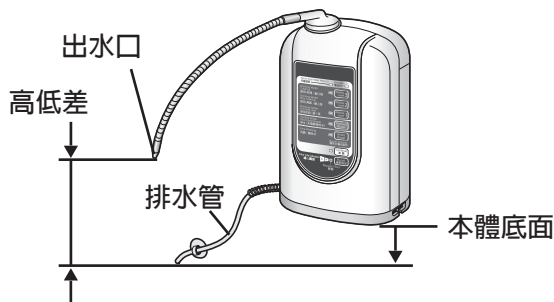
2 固定供水管 (使用軟管固定綁帶)



4 使用吸盤固定排水管

- 請固定水管避免搖晃。

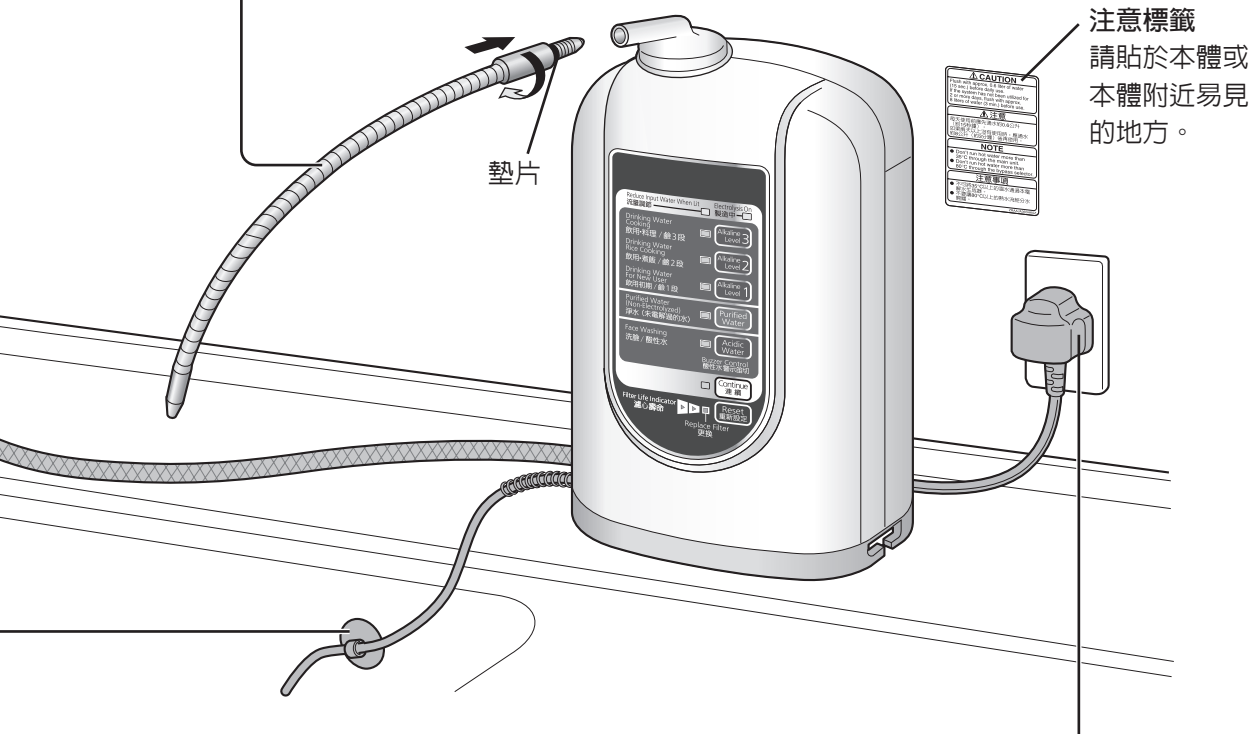
安裝位置



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 公分但小於 50 公分，如此才可得到適當的 pH 值（離子濃度）。

3

- 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)



5

- 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 ～ 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)



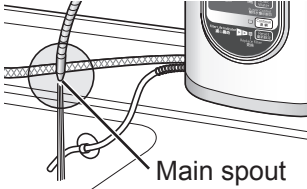
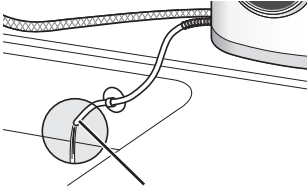
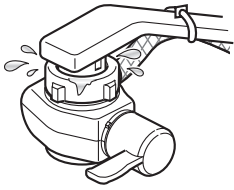
告知

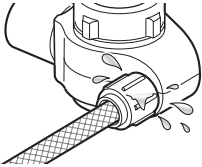
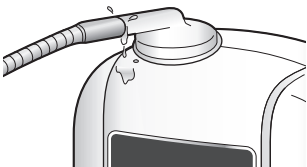
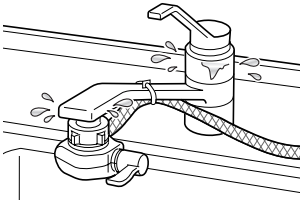
- 當水管過長時，建議您將水管剪短使用。（剪短時，請直線切除。）
- 設置後通水時，水質顯示燈會閃燈約 10 ～ 40 秒。
（請參閱 10 頁）

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
<div>Is water coming out of the main spout? 出水口是否有水流出</div> <div><p>Main spout 出水口</p></div>	<div>● Is the water supply hose bent or flattened? → If it is, straighten it out.</div> <div>● 供水管是否扭曲變形。 → 請拉直使用。</div>	<div>20 21</div> <div>22 23</div>
<div>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</div> <div><p>Drain hose 排水管</p></div>	<div>● Is the drain hose bent or flattened? → If it is, straighten it out.</div> <div>● 排水管是否扭曲變形。 → 請拉直使用。</div>	<div>20 21</div> <div>22 23</div>
<div>Is any water leaking from where the bypass selector is connected? 分水開關連接處有無漏水</div> <div></div>	<div>● Has the bypass selector been installed securely on the faucet? → Check again the instructions for “Attaching the Bypass Selector”, and install it securely.</div> <div>● Have the parts inside the bypass selector been inserted properly? → If not, install them properly.</div> <div>● 是否確實安裝分水開關於水龍頭上。 → 請再度確認並確實安裝「安裝分水開關」。</div> <div>● 分水開關內的配件是否正確放入。 → 請正確安裝配件。</div> <div>● Are there any cracks at the end of the faucet (in the insulating cap, for instance)? → Consult a plumber.</div> <div>● 水龍頭的前端（斷熱蓋頭等）是否有破損斷裂。 → 請洽談水電行。</div>	<div>12 – 17</div> <div>—</div>

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
<p>Is there any water leaking from where the water supply hose is connected? 供水管連接處有無漏水</p> 	<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。 	<p>20</p> <p>22</p>
<p>Is there any water leaking from where the outlet pipe is connected? 出水管連接部位是否漏水</p> 	<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。 	<p>21</p> <p>23</p>
<p>Is water leaking from the faucet? 水龍頭是否漏水</p> 	<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）是否出現裂縫。 → 請洽談水電行。 	<p>—</p>

CAUTION

- Do not put the supplied accessories within the reach of infants and toddlers.
Otherwise, they may be swallowed by mistake.
- Consult with a doctor immediately if you suspect that an accessory has been swallowed.

注意

- 配件請放置於兒童手拿不到的地方
避免發生吞入口中的情況發生。
- 萬一發生吞入口中的時候，請立即洽詢醫師。

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 值測試套件（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 毫米上下的範圍內，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 的標準

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

CAUTION

- **Do not bring the pH test liquid near a naked flame.**
Doing so may cause the reagent to ignite, causing a fire.
- **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.)**
Failure to observe these instructions may cause health problems.
 - If the reagent or water containing it has been swallowed, drink volume 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.

注意

- 請勿將 pH 試劑靠近火源處。
避免點火、火災的原因發生。
- 請勿將 pH 試劑或含有 pH 試劑的水，飲用或點入眼中。(尤其要注意兒童。)
避免損害健康的發生。
 - 如果誤飲時，請多喝水，進入眼睛時請充分地以水沖洗，並立即洽詢醫師。
 - 請確實蓋緊上蓋，並放置於孩童手拿不到的地方妥善保管。



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 值測試套件來檢測水質。
- 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 值測試套件為測試 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。
- 使用新的濾心（約一週）時，pH 值會有稍微偏高的狀況發生，非異常現象。

Operating Precautions

- **Do not lift the main unit by taking hold of the outlet pipe**
(otherwise damage may result).
- **Do not use the Alkaline Ionizer if the outlet pipe is loose**
(otherwise damage may result).
※ If it has come loose, screw it in securely.
- **Do not run the following types of water through the Alkaline Ionizer**
(since it will 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**
(otherwise trouble may result).
- **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. (See page 54.)
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.**
- **Depending on the region and water quality, it may not be possible to obtain the designated pH level. In cases like this, use tap water.**
- **When using the Alkaline Ionizer in areas where the water is very hard ※**
 - 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).
 - ※ In areas where the water is very hard, soap will not lather easily and white deposits (calcium) will build up in kettles and pans.

使用上的注意事項

- 請勿手持出水管，將本體抬起。
(避免造成毀損)
- 請勿使用鬆弛的出水管。(避免造成毀損)
 - ※ 鬆弛的狀況下，請確實鎖緊。
- 符合以下條件的水請勿使用。
(避免造成濾心壽命變短的原因)
 - 混濁的水 • 鐵銹過多的水
- 如海水等含有鹽分的井水（靠近海邊的井水）請勿使用。
(避免發生故障的原因)
- 請不要連續使用本體製造鹼性離子水或酸性水 30 分鐘以上。
使用超過 30 分鐘以上，機器保護裝置會停止電解作用。(參閱 55 頁)
發出「嗶嗶嗶」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。
- 依區域、水質不同，會有無法取得指定的 pH 值的情況發生。請使用自來水水源。
- 在水質的※硬度偏高地區使用時 ...
 - 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)
 - ※硬度偏高的地區，肥皂的起泡效果會變差、水壺或鍋具等會殘留白色鈣礦物質沉澱物。

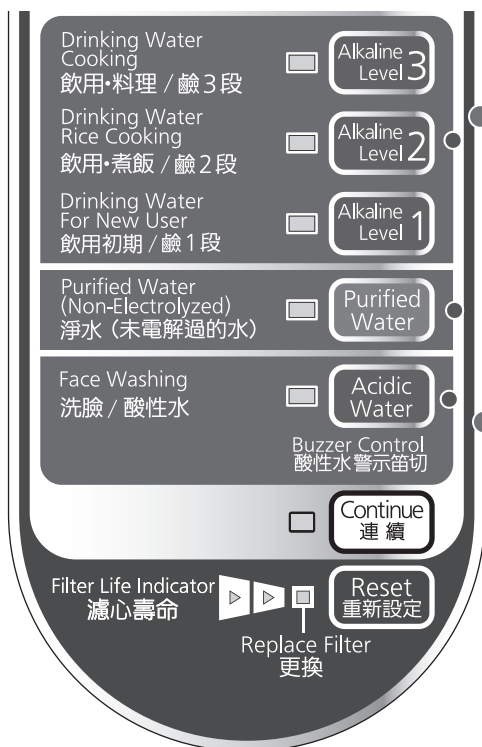
Before Operation

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
Alkaline Level 3 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
Alkaline Level 2 Drinking water for Experienced user When cooking rice	8.5~9.5
Alkaline Level 1 Drinking water for new user When starting to drink alkaline ion water (first two weeks or so)	8~9



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.

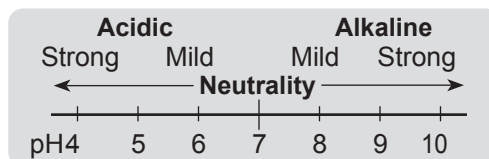
Application **Washing the face**

pH standard **5 to 6.5**



• 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.”






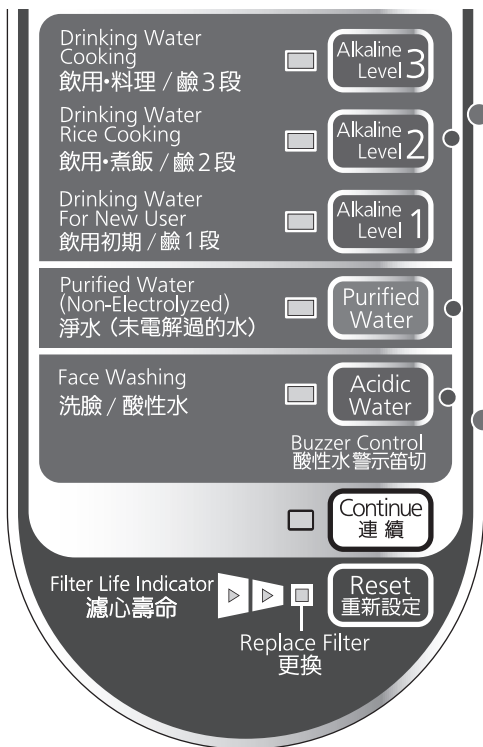
使用前

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
 日常飲用 咖啡、紅茶、綠茶、煮菜、火鍋、煮湯等	9 ~ 10
 習慣飲用 炒菜、煮飯時	8.5 ~ 9.5
 飲用初期 初次飲用鹼性離子水時（約 2 週左右）	8 ~ 9



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

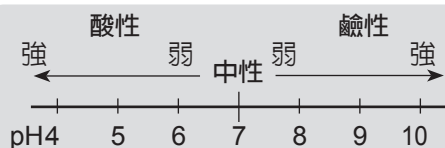
用途 洗臉

pH 值的標準 5 ~ 6.5

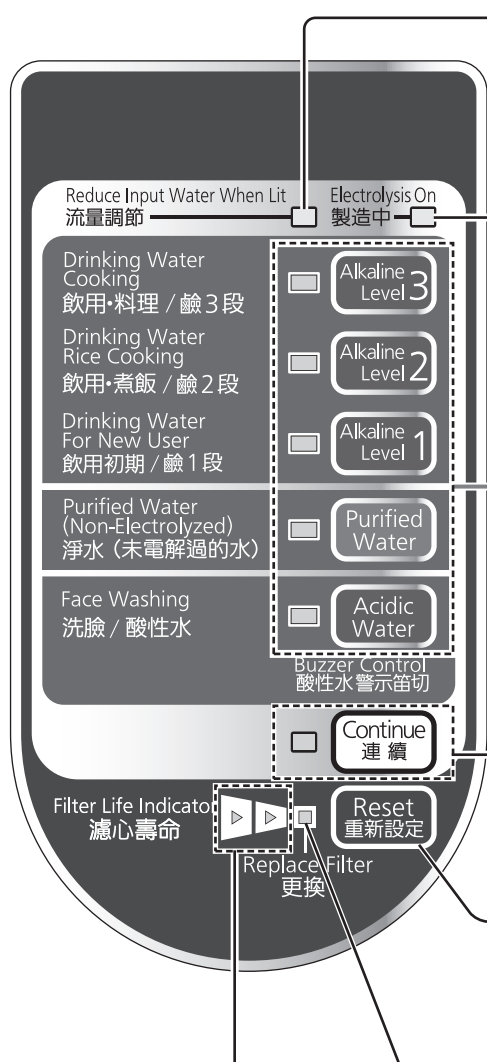


- 何謂 pH 值（離子濃度）？

表示水（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



Water Flow Adjustment Lamp (Red)

This lamp will blink when the water flow from the main spout is too large.
(See page 36.)

Generating Lamp (Yellowish-green)

This lamp is lit when the main unit is generating alkaline ion water or acidic water. (See pages 34, 35.)
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. (See page 34.)

Water Quality Indicator Lamps

This indicates the quality of the water coming from the main spout. (See page 34.)

Continue Button • Lamp (Yellowish-green)

Press this button to continue to use the same water quality. (See pages 34, 35.)

Reset Button

Press this button after replacing the cartridge.
(See page 51.)

Cartridge Life Lamps (Yellowish-green, Yellow)

These indicate the operating life of the filter. (See page 48.)

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.
(See pages 48, 51.)

●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]



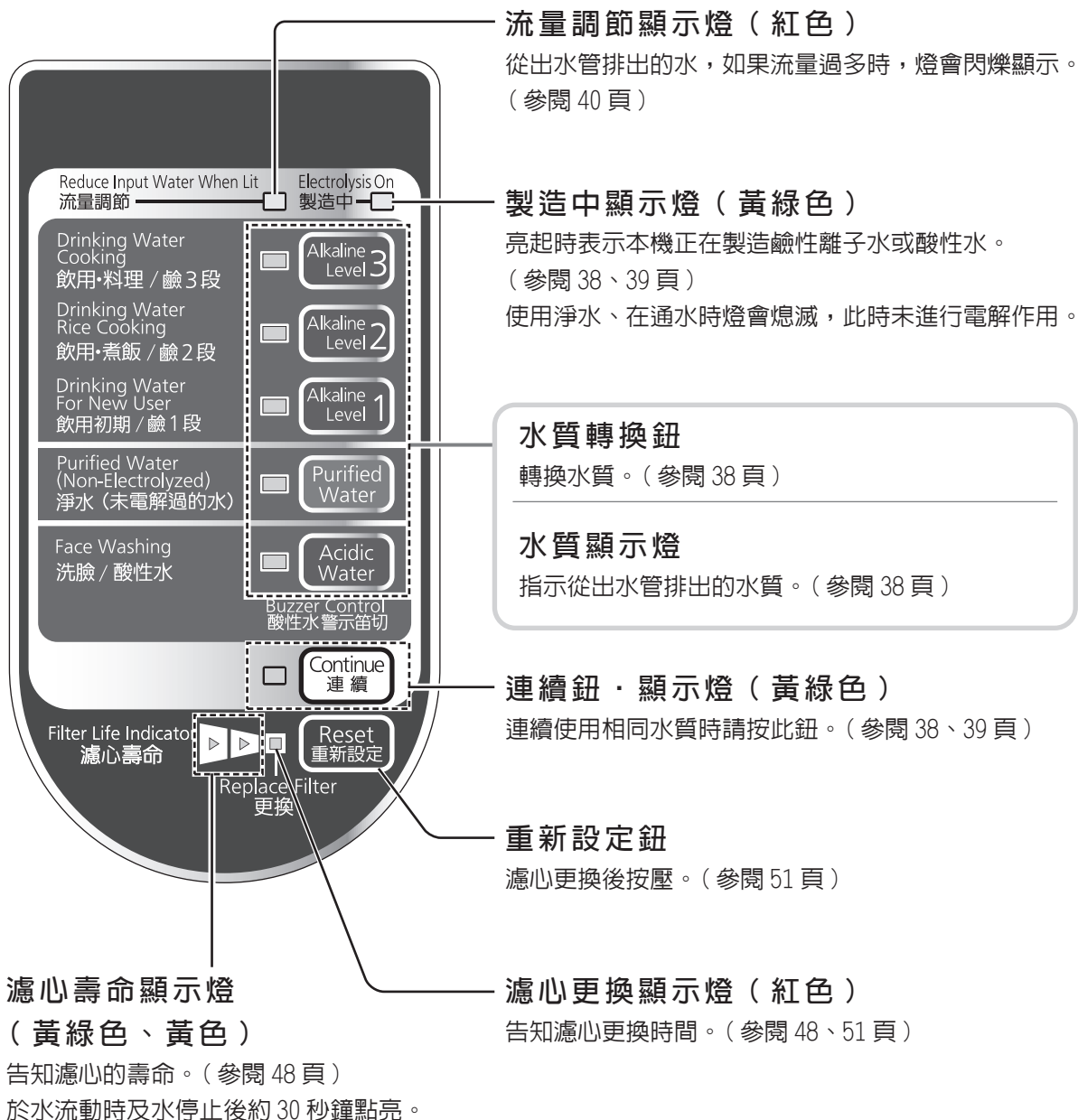
[Lamp Lit]



[Lamp Blinking]



操作面板的名稱和功能



● 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〕



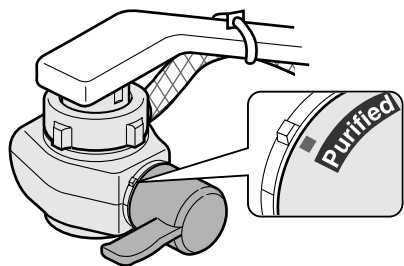
〔閃爍〕



Operation

Using alkaline ion water, acidic water or purified water

1 Set the bypass selector to “Purified”.



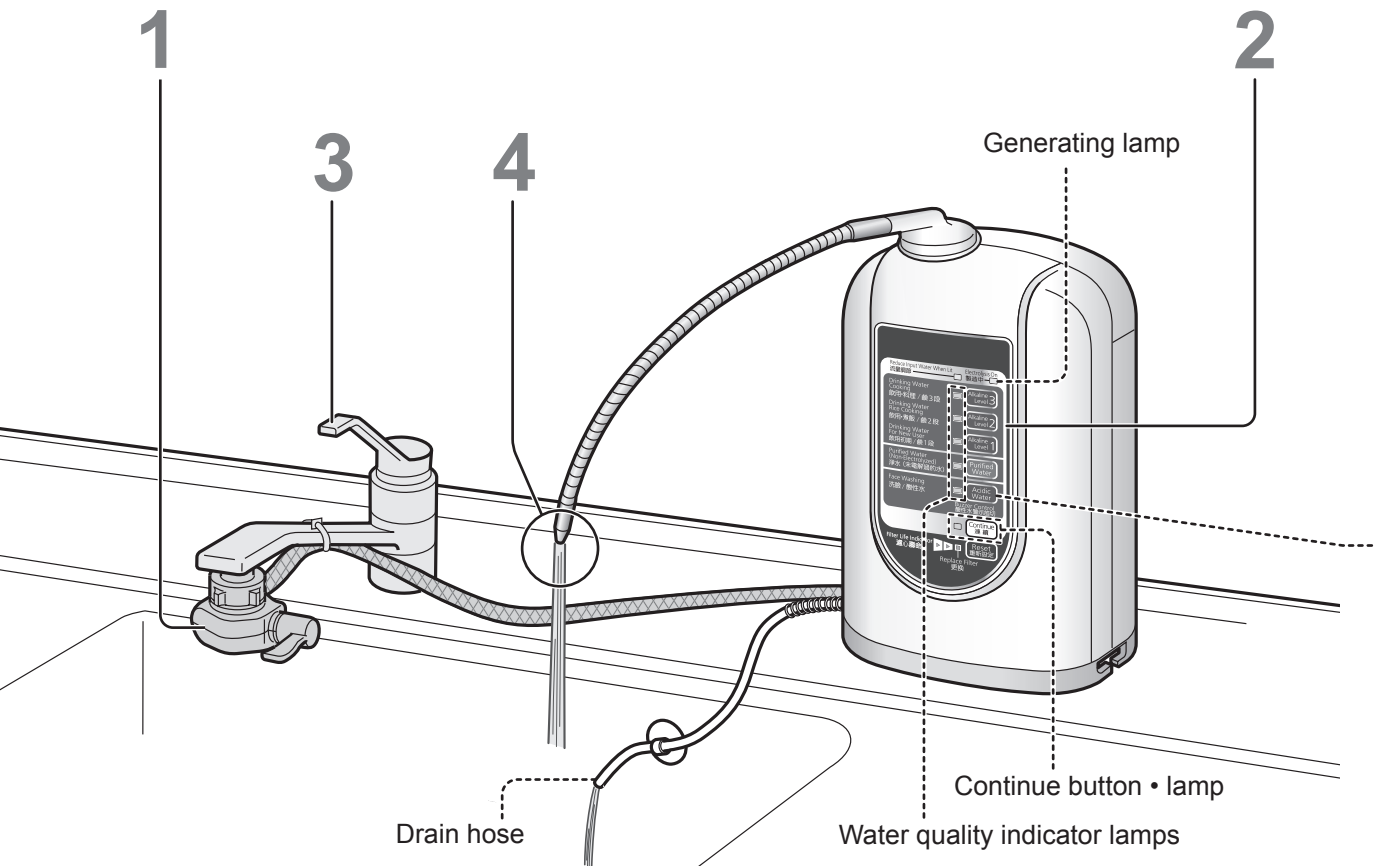
2 Press the water quality selector button corresponding to the type of water required.

- 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	
Alkaline Level 2	Drinking water for Experienced user	Yellowish-green
Alkaline Level 1	Drinking water for new user	
Purified Water	Medicine, milk	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

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

While acidic water is selected

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


Continue button

Continue
連續

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 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 .

- ※ When 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  for about 3 seconds until four short beeps are heard in succession.
Setting the acidic buzzer to ON	Press  for about 3 seconds until a long beep is heard.

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. (See page 42.)**

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).

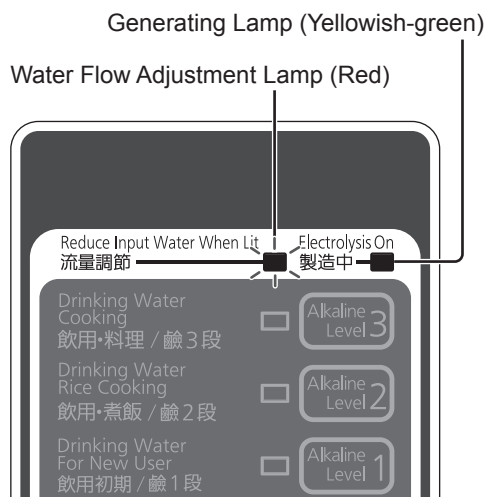
Gradually reduce the flow from the faucet until the lamp goes out ※.

※ 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. (See page 26.)

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.)

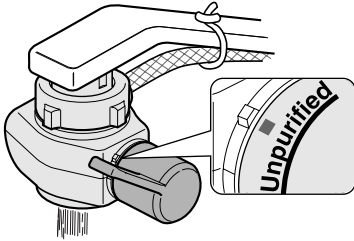
Setting	Operation
Setting to “Alkaline priority”	Press  until four short beeps are heard in succession. (This takes about 3 seconds.)
Releasing the setting	Press  until a long beep is heard. (This takes about 3 seconds.)

Using the unpurified water (tap water)

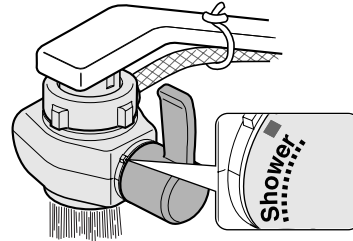
By "unpurified water" is meant here the untreated tap water.

Set the bypass selector to "Unpurified" or "Shower".

The water comes **straight out**.

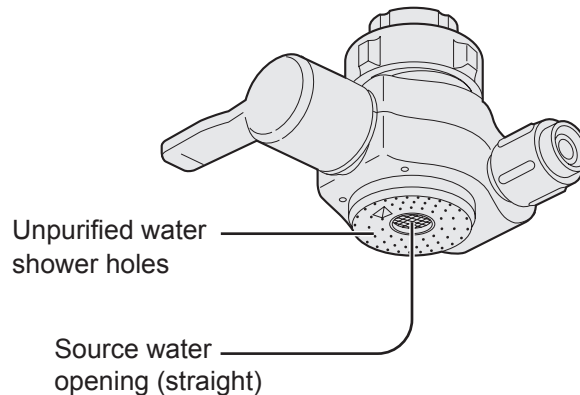


The water comes **out as a shower**.



Bypass selector

[Bypass selector as seen from below]



Important

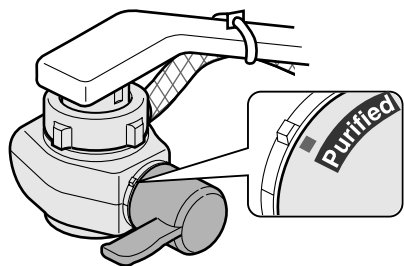
- The table on the right shows the temperatures at which water can be used by the Alkaline Ionizer. Use water at these temperatures (otherwise trouble may result).

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

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」



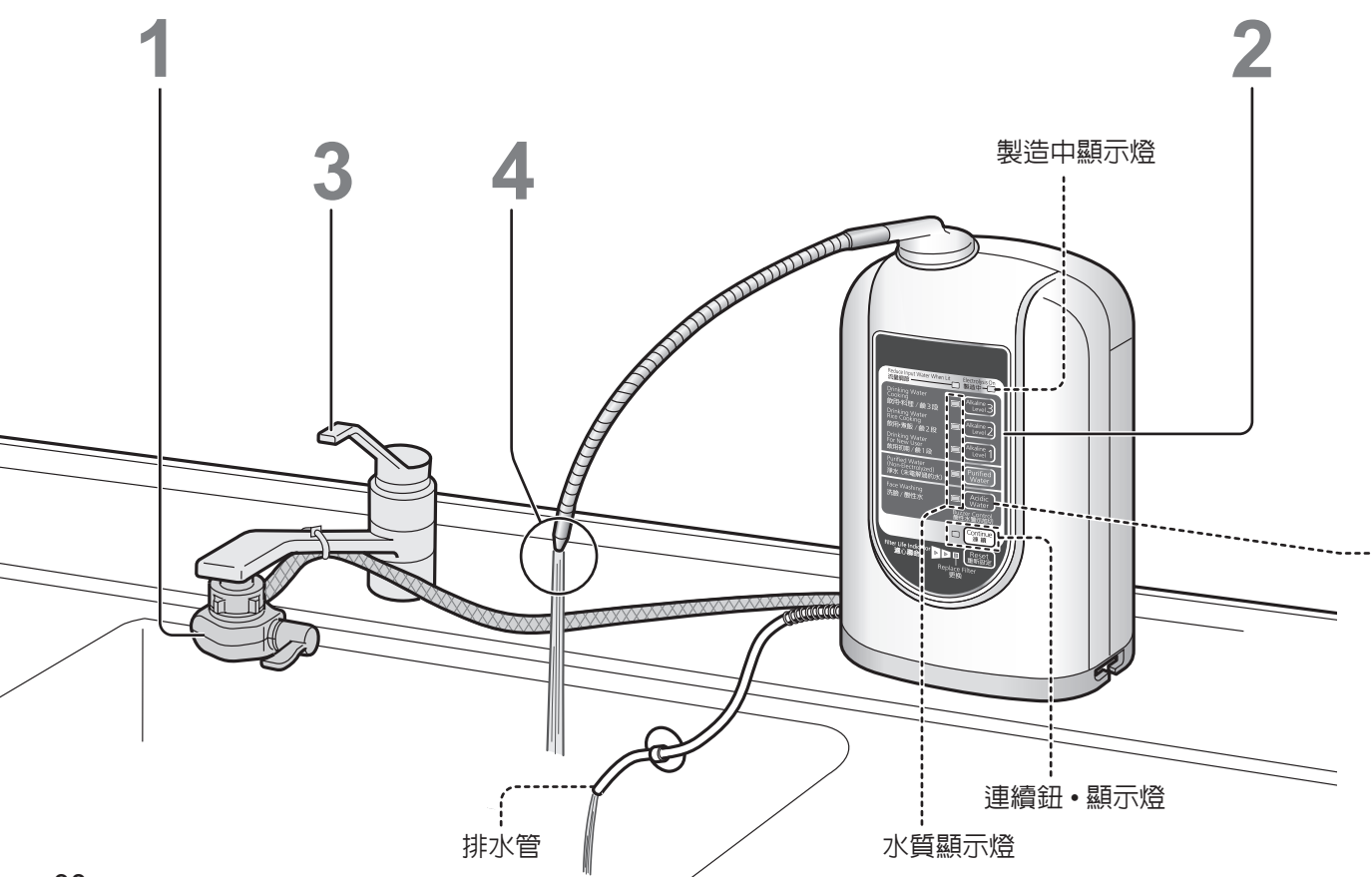
2 請按下水質切換鈕

● 警示音響起，且水質顯示燈亮起。

3 開啓水龍頭

● 水質顯示燈會閃燈。

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



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。

- 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  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  鈕約3秒鐘，直到發出4次「嗶」聲為止。
設定為 ON	按  鈕約3秒鐘，直到發出「嗶」聲為止。

使用後

關緊水龍頭時

- 使用鹼性水時，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。（參閱42頁）

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。



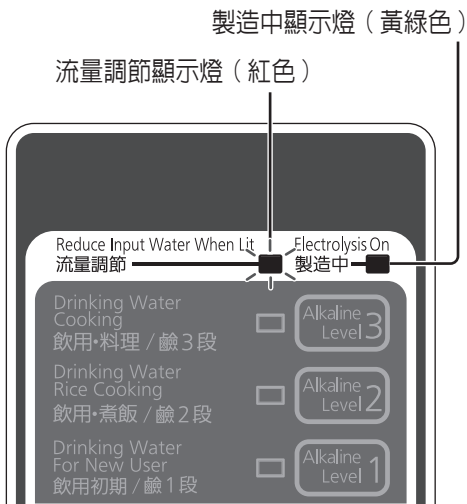
告知

- 使用酸性時，水質將切換至「淨水」。

請再按一次  鈕，並打開水龍頭。

■想知道 pH 值的時候

請使用附屬的 pH 值測試套件測試。（參閱 26 頁）



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。）

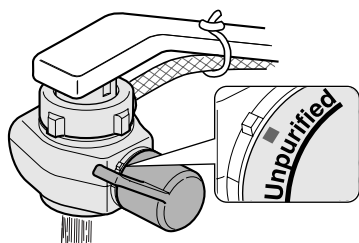
內容	操作方法
設定為「鹼性優先」	按  鈕約 3 秒鐘，直到發出 4 次「嗶」聲為止。
解除設定	按  鈕約 3 秒鐘，直到發出「嗶」聲為止。

使用原水（自來水）

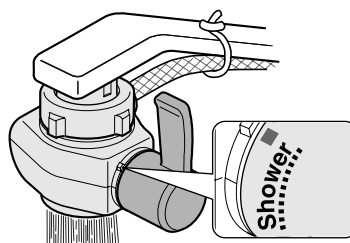
原水就是自來水。

使用分水開關切換為「Unpurified」或「Shower」。

直式水流

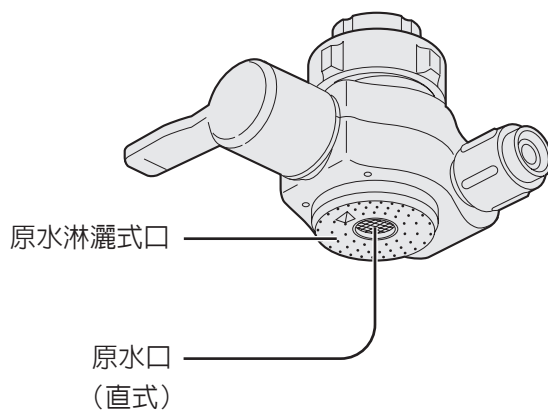


淋灑式水流



關於分水開關

【由下往上看時】



注意事項

- 適用水溫請參照右表。
請使用這個溫度。（避免造成故障的原因）

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

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。

After producing alkaline ion water or acidic water
使用鹼性離子水或酸性水之後

When the faucet is turned off
水龍頭關緊時

Automatic electrode cleaning is performed for about 8 seconds.

- Water comes out of the drain hose, but do not use it.
- Do not run water through the Alkaline Ionizer during automatic electrode cleaning.

約進行 8 秒鐘的洗淨運轉。

- 從排水管排出的水，請勿使用。
- 洗淨運轉中，請不要通水。

When the Alkaline Ionizer has not been used for 24 or more hours

超過 24 小時未使用時

When alkaline ion water or purified water runs through the Alkaline Ionizer

鹼性離子水或淨水通水時

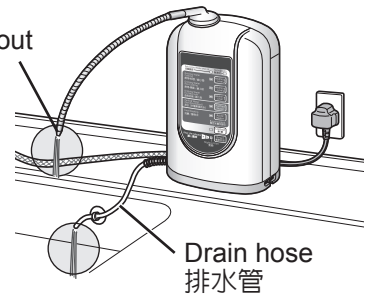
Automatic electrode cleaning is performed for about 15 seconds.

The buzzer beeps for about 3 seconds and the water quality indicator lamp blinks for about 15 seconds.

約進行 15 秒鐘的洗淨運轉。

警示笛「嗶嗶…」鳴叫約 3 秒鐘，水質顯示燈閃爍約 15 秒後燈亮。

Main spout
出水口



- Do not turn off the water supply until automatic electrode cleaning is completed.
- Do not use the water which comes out of the main spout or drain hose. Start using it after the buzzer has beeped three times.

- 到洗淨運轉結束時，都不要關水。
- 從出水口和排水管所流出的水，請勿使用。警告聲「嗶嗶嗶」鳴叫 3 次後再使用。



Note

- Water may drip or trickle from the main spout during automatic electrode cleaning: this is normal and does not indicate any trouble.
- Automatic electrode cleaning is not performed while the Continue lamp is lit.



告知

- 洗淨運轉中，出水口的水會「滴答」漏水，這並不是異常現象。
- 連續顯示燈亮燈中時，不會進行電極洗淨。

When the Power or Water Supply is Cut Off/停電，停水時

■ When the power supply is cut off

- Turn off the faucet if the power is cut off while the Alkaline Ionizer is being used.
- Purified water comes out of the main spout if water is run through the Alkaline Ionizer while the power is off.
- After the power is restored, the Alkaline Ionizer can be used again as usual. (After the power comes back on, purified water is automatically restored.)

■ When the water supply is cut off

- The Alkaline Ionizer cannot be used.
- If the water is cut off during use, turn off the faucet.
- When the water supply is restored, set the bypass selector to “Unpurified” or “Shower”, and first run unpurified water (tap water) into the sink to flush out the air and turbid water inside the pipes. The Alkaline Ionizer may then be used again as usual.
(This is because the cartridge life will be significantly reduced if water with air or turbidity is run through the Alkaline Ionizer.)

■ 停電時

- 使用中停電時，請關上水龍頭。
- 通水後，再流出淨水。
- 通電後，請按照一般使用方法使用。(通電後，會自動地回到「淨水」。)

■ 停水時

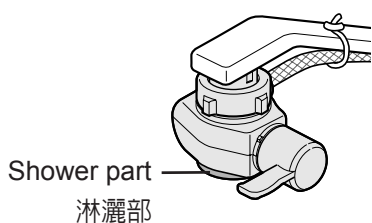
- 無法使用。
- 使用中停水時，請關上水龍頭。
- 水再來的時候，請先將分水開關切換到「Unpurified」或「Shower」位置，首先要流出自來水（原水），好讓配管內的空氣或污濁物流出來。之後，即可如常使用。
(因為空氣或污濁物流入本體內，就會大幅縮短濾心的壽命。)

Maintenance/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.
- 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。



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。

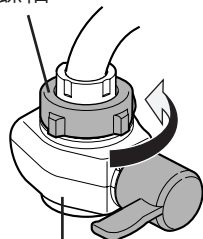
Bypass selector mount coupling (filter and water intake)/ 分水開關安裝口

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。

Nut
螺帽

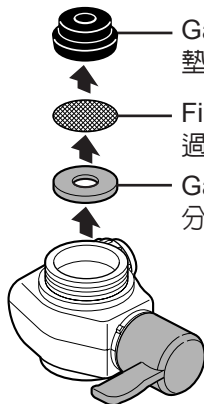


Bypass selector
分水開關

Gasket
墊片

Filter
過濾網

Gasket washer
分水開關用墊片座



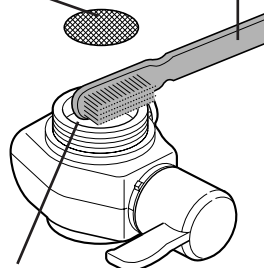
2 Wash the filter and water intake.

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。

Filter
過濾網

Water intake
注水口



CAUTION

- **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

- 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。



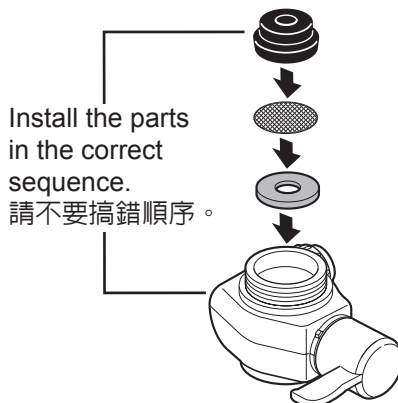
注意事項

- 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)

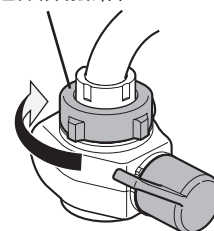
(過濾網、注水口)

3 Install the bypass selector. 安裝分水開關

- Install the filter without fail.
- **After installing the bypass selector, run water for about 5 seconds at the “Unpurified” or “Shower” setting.**
- 請務必安裝過濾網。
- 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。



When Moving the Alkaline Ionizer/本體移機時

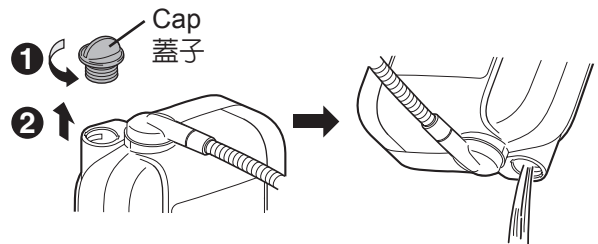
Follow the steps below to drain off the water in the Alkaline Ionizer.

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

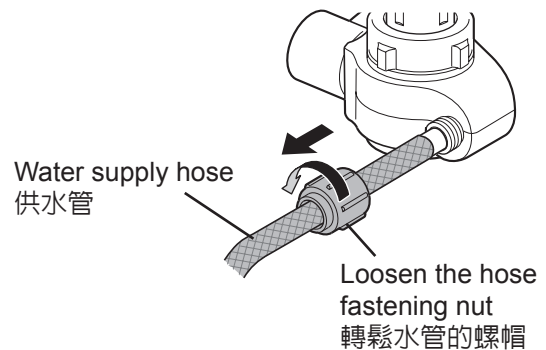


3 Disconnect the water supply hose from the bypass selector.

從分水開關

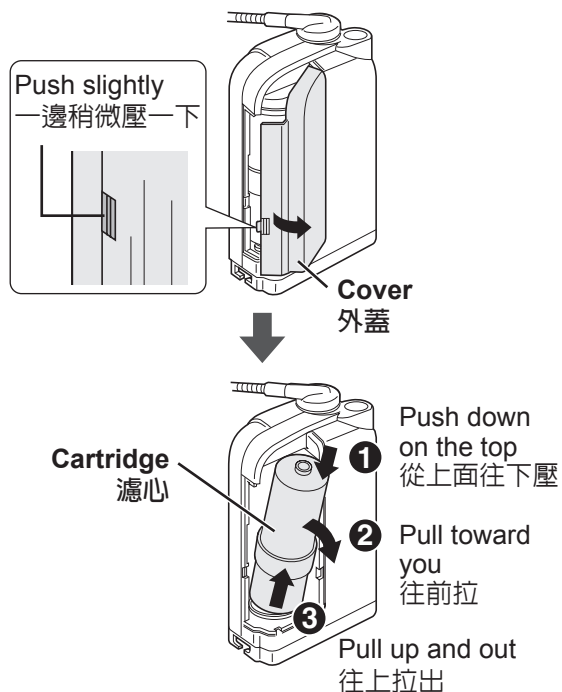
卸下供水管

- 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. 取出濾心

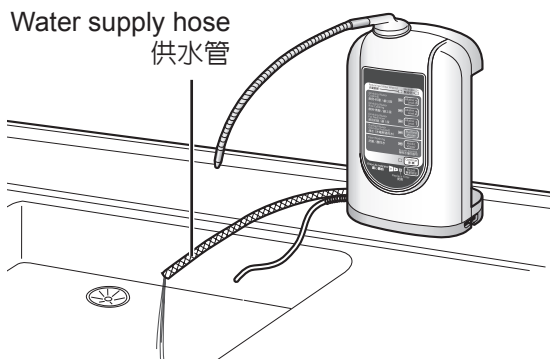
- Do not place the main unit on its side or upside down with the cartridge removed (since water may get inside the main unit and cause trouble).
- 將濾心取出後，請不要將本體倒置或斜放。（水會逆流到機器內部，發生故障）



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.
- 卸下的蓋子和濾心，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.

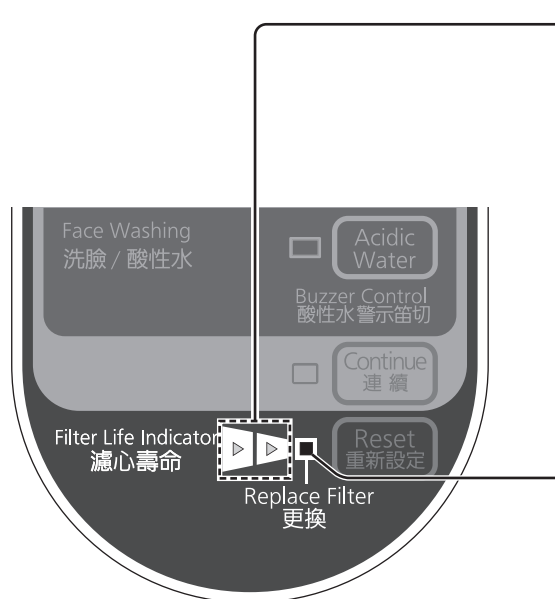
注意事項

- 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/ 更換濾心前

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，及濾心壽命顯示燈和濾心更換顯示燈的信號，而查知是否需要更換濾心。在濾心更換顯示燈亮起時，即表示應該更換濾心了。

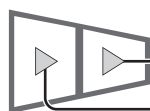


Cartridge Life Lamps (Yellowish-green, Yellow)

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

濾心壽命顯示燈（黃綠色、黃色）

- 水流動時及水停止後點亮約 30 秒鐘。



Cartridge Replacement Lamp (Red)

濾心更換顯示燈（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)
亮起：（平時）

- It is time to replace the cartridge.
- ※ While this lamp is lit, the unit cannot generate alkaline ion water or acidic water.
- 請更換濾心。
- ※ 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:
即使濾心更換顯示燈尚未亮起，只要出現下列情況即請更換濾心：

- 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（濾心的去除力變低）
- 濾心更換的標準年月（約為 1 年）

■ Period of time serving as a general guideline for when to replace the cartridge (when 30 liters are used daily)

濾心更換的標準年月【一天使用 30 公升時】

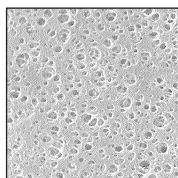
Replacement guideline 更換標準	Replacement cartridge 更換用淨水濾心 (see page 53) (參閱 53 頁)	Substances removed by cartridge/ 去除的物質
TK-AS41 : About 1 year 約 1 年	Model number/ 型號 TK7815C1ZEX	Free residual chlorine, turbidity, total trihalomethane, chloroform, bromodichloromethane, dibromochloromethane, bromoform, tetrachloroethylene, trichloroethylene, 1,1,1-trichloroethane, CAT, 2-MIB (mold smell), soluble lead 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	Free residual chlorine, turbidity, total trihalomethane, 2-MIB (mold smell), soluble lead 殘留氯、污濁物、總三鹵甲烷、2-MIB (黴菌臭)、溶解性鉛

■ Differences in usage period by water quality

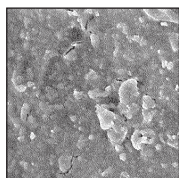
有關依水質而使用期間不同

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.

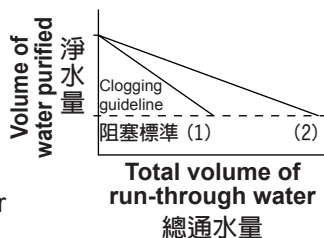
使用的濾心，為了去除細微的髒污，內層附有中空絲膜過濾網，因此阻塞物質較多的水質，使用時間會縮短。



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



- (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



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（水不容易通過濾心）
- 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

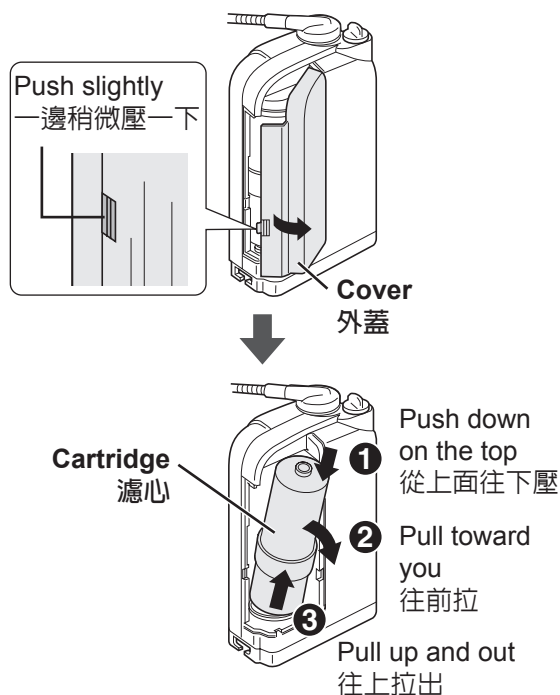
Replacing the Cartridge/更換濾心

- **Replace the cartridge without disconnecting the power plug.**
(The cartridge life cannot be reset when the power plug is disconnected.)
- **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.)
- **Do not replace it with the condition of main unit flat.**
- 請勿拔掉電源插頭，進行更換。(若拔掉電源插頭，便無法進行濾心壽命重新設定)
- 請關上水龍頭後，再進行更換，濾心拆卸狀態下，請勿通水使用。(水會溢出)
- 請切勿在本體處於放倒狀態下更換濾心。

1 Remove the cover, and then remove the cartridge.

打開本體外蓋，拆下濾心

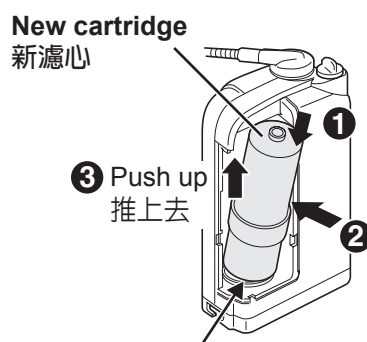
- Take care since water will drip from the cartridge. Water may also emerge from the bottom of the main unit (this does not indicate that there is a leak).
- Do not place the main unit on its side or upside down with the cartridge removed (since water may get inside the main unit and cause malfunction).
- 濾心內的水會溢出來，請注意。水亦會從本體底部流出。(並非漏水)
- 將濾心拆下時，請勿將本體倒著放或反方向擺著。
(避免水逆流到機器內，導致故障的原因)



2 Install the new cartridge

安裝新濾心

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



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

3 Until the unit makes a short beep and the Cartridge Replacement Lamp goes out

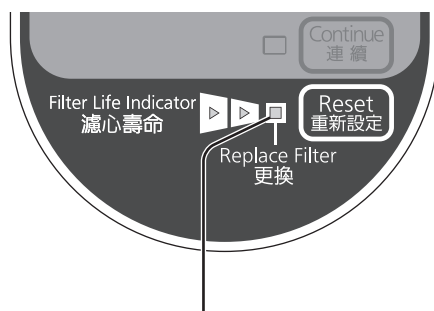
Press **Reset**
重新設定

(approximately 3 second).

當「嗶」聲鳴叫時，

按 **Reset**
重新設定，一直到濾心
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.
- 請確認濾心更換顯示燈已熄滅。



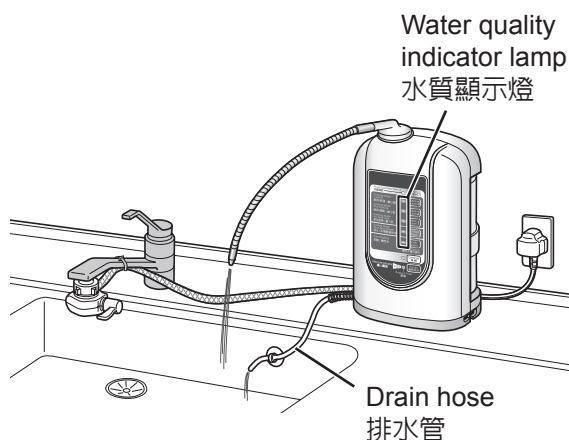
Cartridge Replacement Lamp
濾心更換顯示燈

4 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 ~ 4 分鐘）

- When water is run through the Alkaline Ionizer, the water quality indicator lamp blinks for about 10 - 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.
- 當水通過鹼性離子整水器時，水質顯示燈會閃燈約 10 ~ 40 秒。
- 通水中，請查看從濾心接續部分會不會漏水，或從排水管中確認是否有流出水來。

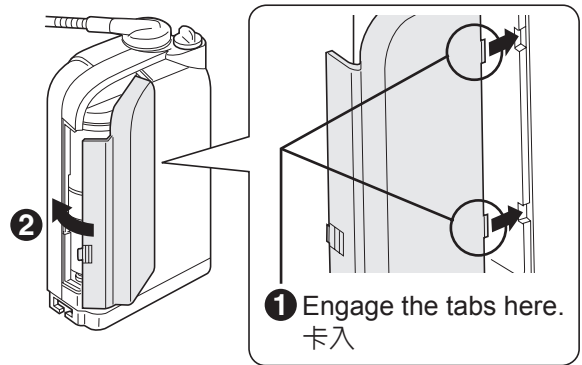


Replacing the Cartridge (continued)/更換濾心（接續）

5 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

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



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. (See page 68.)



告知

- 更換濾心後，鹼性離子水注入杯子時，會有白色泡沫，並非異常現象。（參閱 72 頁）

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

更換用淨水濾心

- 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 (see page 11)

大型水龍頭用金屬蛇口（內徑：32.5 毫米）

型號：P-06JRC

- 裝於前端徑 24 毫米～32 毫米水龍頭上
（參閱 11 頁）

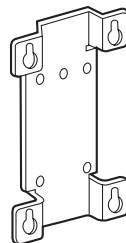
Wall mounting bracket/壁掛金屬板

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



CAUTION

- If you want to install the main unit on a wall, ask an authorised dealer or service personnel to do the job.

Installing the main unit yourself may cause the main unit to fall and result in 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.

注意

- 若欲採用壁掛方式，一定要請代理商認可之經銷商或水電維修技工來進行安裝。
自行安裝，是導致掉落發生意外的原因。
- 壁掛設置的場所，必須選擇能夠承受 6 公斤以上重量的地方。
如果壁掛安裝部強度不夠，是導致電解水生成器掉落，造成事故以及廚房破損的原因。

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.	<ul style="list-style-type: none">● 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.	<ul style="list-style-type: none">● 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.	<ul style="list-style-type: none">● 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.	<ul style="list-style-type: none">● 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.	<ul style="list-style-type: none">● 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.	<ul style="list-style-type: none">● 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.	<ul style="list-style-type: none">● 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、環境改變等因素，請停止使用以保護機器。
(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、環境改變等因素，請停止使用以保護機器。
(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、環境改變等因素，請停止使用以保護機器。
(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、環境改變等因素，請停止使用以保護機器。
(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。

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.	<ul style="list-style-type: none"> ● Immediately after installing the unit or replacing the cartridge, the Water Quality Indicator Lamp will blink for approximately 10 - 40 seconds while water is running through the unit. <ul style="list-style-type: none"> ➔ Run water through the unit for approximately 3-4 minutes. (This is to vent any air caught inside the cartridge.) ● Did you leave the unit unused for 24 hours or more? (The Water Quality Indicator Lamp is blinking and the buzzer is beeping.) <ul style="list-style-type: none"> ➔ Run water through the unit for approximately 15 seconds. ● Is there sufficient water volume? (It requires approximately 1.2 L/min or more.) <ul style="list-style-type: none"> ➔ Open up the water faucet to increase the amount of water. ● Is the Cartridge Replacement Lamp lit up? <ul style="list-style-type: none"> ➔ Replace the cartridge. 	9 51 42 — 48 – 52
After using “Acidic Water” the Water Quality Indicator Lamp changes to “Purified Water”.	<ul style="list-style-type: none"> ● The unit is designed to automatically switch to “Purified Water” when you close the water faucet after using “Acidic Water”. <ul style="list-style-type: none"> ➔ This is not a malfunction. 	35
When I stop down the water faucet while using “Acidic Water”, the Water Quality Indicator Lamp suddenly changes to “Purified Water”.	<ul style="list-style-type: none"> ● 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. <ul style="list-style-type: none"> ➔ Press “Acidic Water” again, and gradually open the water faucet until the Water Quality Indicator Lamp starts to blink. 	36
The lamp changes to “Alkaline” after I have used “Acidic Water” or “Purified Water”.	<ul style="list-style-type: none"> ● Is the “Alkaline priority” setting established? <ul style="list-style-type: none"> ➔ To release Alkaline priority, while no water is running through the main unit, press  until a long beep is heard (for about 3 seconds). 	36
The Cartridge Life Lamp does not go on.	<ul style="list-style-type: none"> ● Is the water turned off? <ul style="list-style-type: none"> ➔ This lamp will light up while water is running through the unit and for approximately 30 seconds after the water is turned off. 	32 48
The Cartridge Replacement Lamp does not go out even after I replace the cartridge.	<ul style="list-style-type: none"> ● Did you forget to press the Reset button? <ul style="list-style-type: none"> ➔ Close the water faucet and press the Reset button. ● Did you press the Reset button while the power cord was unplugged? <ul style="list-style-type: none"> ➔ Plug in the power cord and press the Reset button. 	50 – 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.	20
	● Is there a crimp in the water supply hose? → Straighten the water supply hose.	21
	● The water flow has diminished because of clogging in the cartridge. → This is not a malfunction. It is nearly time to replace the cartridge.	48
		49
The Cartridge Replacement Lamp does not light up even though a year has passed.	● 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.	48 49
None of the lamps on the main unit light up.	● Is the power cord plugged in? → Plug in the power cord.	21
	● 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.	35
	No water comes out when the Alkaline Ionizer is used	● Is the drain hose bent or flattened? → Straighten out the hose.	20, 21
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. 	— 44, 45 50 – 52 43 20, 21 50 – 52
	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. 	—
	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”. 	35
	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. 	50 – 52
	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. 	26 27
	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. 	—
	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. 	19

Symptom		Cause and remedial action	Reference page
Other	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. 	—
	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. 	—
	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. 	34
		<ul style="list-style-type: none"> ● 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. 	66
		<ul style="list-style-type: none"> ● Is the drain hose bent or flattened? → If it is, straighten it out because otherwise electrolysis will not be performed properly. 	20 21
	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. 	—
	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. 	67

Continued on next page

Troubleshooting (continued)

■ Is this a malfunction? (continued)

Symptom		Cause and remedial action	Reference page
Other	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. 	—
	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. 	35

■ 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. 	12 – 17
	<ul style="list-style-type: none"> Have the parts inside the bypass selector been inserted properly? → If not, insert them properly. 	45
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. 	20
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. 	21
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. 	46
Bottom of the main unit	<ul style="list-style-type: none"> Has the cartridge been installed securely? → If not, install it securely. 	50 – 52
Faucet area	<ul style="list-style-type: none"> Is the faucet gasket old? → Call in a plumber. 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">● 安裝或更新濾心後沒多久，在通水時水質顯示燈閃爍了約 10 ~ 40 秒鐘後才點亮。 → 請通水約 3 ~ 4 分鐘。（為了去除濾心內的空氣）	10 51
	<ul style="list-style-type: none">● 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。	42
	<ul style="list-style-type: none">● 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。	—
	<ul style="list-style-type: none">● 濾心更換顯示燈是否亮起？ → 請更換濾心。	48 ~ 52
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。	39
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，並慢慢地開啓水龍頭，直至水質顯示燈閃爍為止。	40
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）	40
濾心壽命顯示燈不點亮	<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。	33 48
	<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。	50 ~ 52

接下頁

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
雖然濾心壽命顯示燈點亮著，濾心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。 ● 給水管有沒有折彎？ → 請將給水管弄直。 ● 濾心的網眼由於堵塞而引起流量降低。 → 並非故障。 是接近需要更換濾心的時候了。	— 22 23 48 49
雖然經過了一年，濾心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，而設定濾心更換顯示燈會點亮。 如果使用量小的話，經過一年後濾心更換顯示燈也不會點亮。 → 這並非故障。	48 49
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。	23 —

■ 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。	39
使用中，水不會排出	● 是不是排水管折到了或擠壓到了？ → 請拉直。	22 23
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
其他	出水量少， 或水沒有排出	<ul style="list-style-type: none"> ● 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。 ● 濾心是否確實安裝好？ → 請確實安裝完畢。 ● 是不是停水了？ → 請等水來。 ● 是不是供水管折到或堵住了？ → 請將水管弄直。 ● 濾心更換顯示燈有沒有點亮？ → 請更換濾心。 	<p>—</p> <p>44 45</p> <p>50 ~ 52</p> <p>43</p> <p>22 23</p> <p>50 ~ 52</p>
	本體通水時， 水會變溫	<ul style="list-style-type: none"> ● 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	<ul style="list-style-type: none"> ● 是不是「酸性警示音」被設定為 OFF？ → 請將「酸性警示音」設定為 ON。 	39
	有氣味或味道不太好 時，以及汙濁物去除 不掉	<ul style="list-style-type: none"> ● 濾心的過濾功能降低。 → 請更換濾心。 	50 ~ 52
	離子水的 pH 值不在 「pH 值標準」範圍內	<ul style="list-style-type: none"> ● 換上新濾心時，（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。 	26 27
	酸性水的 pH 值以中 性表示	<ul style="list-style-type: none"> ● 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。 	—
	本體下面漏水	<ul style="list-style-type: none"> ● 因為溼度的關係，使得本體內部出現結露水現象。 → 並非故障。 	19

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	使用後，關緊水龍頭後，從本體會發出聲音	<ul style="list-style-type: none"> ● 是本體內排水的聲音。 → 並非故障。 	—
	使用吹風機時間，本體會有雜音出現	<ul style="list-style-type: none"> ● 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」	<ul style="list-style-type: none"> ● 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」 	38
		<ul style="list-style-type: none"> ● 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。 	70
		<ul style="list-style-type: none"> ● 排水管是否折到或擠壓？ → 會造成無法正確分解。請拉直。 	22 23
	pH 值上不來時	<ul style="list-style-type: none"> ● 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）	<ul style="list-style-type: none"> ● 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。 	71

症狀		原因和處置方法	參閱頁數
其他	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。	—
	更換新濾心後，出水量變少	● 因為新濾心內的空氣沒有排出。 → 並非故障。約 3 ～ 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。	39

■ 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。	12 ～ 17
	● 分水開關內的零件是否正確放入？ → 請正確安裝。	45
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。	22
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。	23
本體上部	● 蓋子是否確實安裝於本體上？ → 請鎖緊到「閉」的位置。	46
本體底部	● 是否確實將濾心安裝好？ → 請確實安裝。	50 ～ 52
水龍頭部份	● 水龍頭部位的墊片是否已老舊？ → 請洽水電行。 ● 水龍頭（斷熱蓋等）是否有裂痕？ → 請洽水電行。	—

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)?

- A**
- 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. (See page 37.)

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. (See pages 48 and 49.) 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 substance 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. (See page 30.)

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

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，也無法顯示濾心的使用壽命。
※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℃。（參閱 41 頁）

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 濾心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，濾心交換顯示燈也會亮起。（參閱 48、49 頁）
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，有時候濾心會提早阻塞，這時就該換濾心。

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。

接下頁

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。使用冰箱保存時，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。若冰箱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。（參閱 31 頁）

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），設置後和更換濾心後常會發生，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？

※淨水時也會出現相同現象。

A 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，濾心機能降低時，也會產生相同的現象，這時請更換濾心。

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 公克的比率，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」。

關於濾心

Q 我已經使用濾心超過了一年，但濾心更換顯示燈仍未亮起。不用更換嗎？

A 請更換濾心。

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 年的濾心。

Q 想換濾心，哪種濾心是適用的？

A

- 對於 TK-AS41 使用者：請使用濾心型號 TK7815C1ZEX 的濾心。
- 對於 TK-AS40 使用者：請使用濾心型號 TK7505C1ZEX 的濾心。

Specifications

Model		TK-AS40	TK-AS41
Japan medical appliance approval number		20800BZZ00863000	
Rating		220 V – 240 V ~ , 50 Hz, 0.3 A	
Power consumption		Approx. 55 W (approx. 1 W during standby)	
Main unit	Dimensions	170(W) x 101(D) x 291(H) mm	
	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		TK7505C1ZEX	TK7815C1ZEX
Purification capacity (Note 1)	Free residual chlorine	12,000 liters (Note 3)	12,000 liters (Note 3)
	Turbidity	12,000 liters (Note 4)	12,000 liters (Note 4)
	Total trihalomethane	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)
	Soluble lead	12,000 liters (Note 3)	12,000 liters (Note 3)
Guide for time to replace cartridge		Approx. 1 year (Note 5)	
Filter material		Non-woven fabric, granular activated carbon, ceramic, powdered activated carbon, hollow fiber membrane	
Components which can be filtered out		Free residual chlorine, turbidity, total trihalomethane, 2-MIB (mold smell), soluble lead	Free residual chlorine, turbidity, total trihalomethane, chloroform, bromodichloromethane, dibromochloromethane, bromoform, tetrachloroethylene, trichloroethylene, 1,1,1-trichloroethane, CAT, 2-MIB (mold smell), soluble lead

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)
Manufacturer and retailer	Panasonic Electric Works Co., Ltd. 1048, Kadoma, Osaka 571-8686, Japan

※ 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 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-AS40	TK-AS41
日本國醫療認證字號		20800BZZ00863000	
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 毫米 × 深 101 毫米 × 高 291 毫米	
	重量	約 3.0 公斤 (滿水時: 約 3.5 公斤)	
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 ~ 750 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 時】	
過濾流量		2.5 公升 / 分鐘【水壓 100 kPa 時】	
本體適用濾心		TK7505C1ZEX	TK7815C1ZEX
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)
	溶解性鉛	12,000 公升 (註 3)	12,000 公升 (註 3)
濾材 (濾心) 更換時間		約 1 年 (註 5)	
濾材種類		特殊濾布、粒狀活性炭、特殊陶瓷、粉末活性炭、中空絲膜	
可去除成分		殘留氯、污濁物、總三鹵甲烷、 2-MIB (黴菌臭)、溶解性鉛	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

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 公尺
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℃） 溫度保險絲（啟動溫度：145℃）
製造廠商	松下電工株式會社 571-8686 日本大阪府門真市大字門真 1048 番地

※數值是指在水溫 20℃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）一天使用量為 30 公升時。若一天使用量為 60 公升時，濾心使用期限為 1/2。

因地區、水質、水壓等因素，更換時間會有明顯差異。

Notes
