

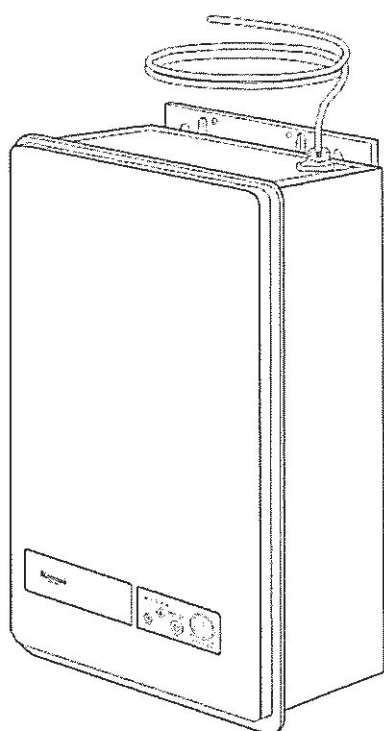
Rinnai®

即熱式氣體熱水爐

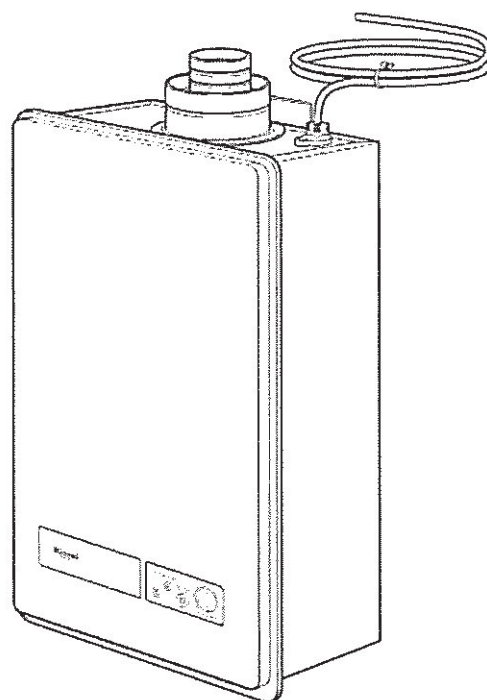
Instantaneous Gas Water Heater

型號 Model : RSW10RF / RSW10TF

使用說明書
User Manual



RSW10RF



RSW10TF

香港石油氣適用
For Hong Kong LPG




重要安全指示	第 1 頁
產品介紹	第 4 頁
操作指示	第 6 頁
保養	第 8 頁
故障處理方法	第 8 頁
規格	第 9 頁

注意!

根據香港氣體安全條例，任何氣體裝置工程，包括爐具和接駁喉管的安裝，必須由註冊氣體裝置技工執行，而該技工已於相關的氣體工程類別註冊及受聘於註冊氣體工程承辦商。

重要安全指示

為安全使用本熱水爐，請遵照下列各項指示。下列指示對安全有莫大關係，符號及意思如下：

 危險	若忽視此符號，並錯誤使用熱水爐，可能引致死亡或嚴重受傷和發生火警的危險。
 警告	若忽視此符號，並錯誤使用熱水爐，可能引致死亡或嚴重受傷，亦可導致火警發生。
 注意	若忽視此符號，並錯誤使用熱水爐，可能會引致受傷和財物損毀。

上述描述所導致的受傷及財物損毀情況，請參考下列詳細描述。

- 受傷：出現受傷，燙傷和觸電危險時，須要送院治理或長期留院治療。
- 財物損毀：對房屋及傢俱等物件造成廣泛損毀。

本說明書中包含不同符號，請參考下列有關符號意思的描述。



危險、警告、注意



禁止



切勿觸摸



必須執行



切勿拆開



必須接到地線



危險

若果發現本熱水爐出現問題



- 當使用熱水爐時，若發現異常的火焰、氣味或特別的聲音，請立即關閉熱水龍頭及氣掣，請致電維修服務。
- 在發生地震或火災時，請立即停止操作熱水爐。



關閉

1. 關閉水龍頭



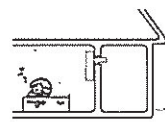
關閉

2. 關閉氣掣

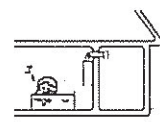


請勿將排氣管的出口置於室內

- 排氣管的出口必須面向室外地方。



RSW10RF



RSW10TF



若你發覺有燃氣洩漏

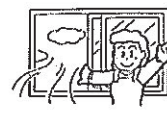
關閉
水龍頭



關閉
氣掣



1. 請停止使用本熱水爐，並關閉氣掣。



2. 開啟窗戶讓燃氣排出屋外。

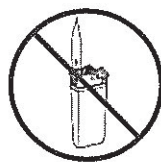


3. 使用室外電話，致電氣體供應公司。

若發生燃氣洩漏



- 切勿點燃明火、插拔電源插頭。
- 禁止開、關電器產品。
- 切勿在附近使用電話、手機。



當發覺有燃氣洩漏，切勿進行所述事項，直至維修工作完成為止。

切勿在漏氣處理完畢前進行上述活動及再次打開氣掣。

重要安全指示



警告

請小心看管兒童



- 流放熱水到浴缸時，切勿讓兒童在浴室玩耍，以免兒童不小心掉進浴缸，引致預計不到的意外發生。
- 切勿讓兒童單獨洗澡。
- 切勿讓小孩觸摸熱水爐以免造成意外。

切勿自行拆卸、維修或改裝熱水爐



- 熱水爐的安裝、維修及其他附帶工程，必須由受僱於註冊氣體工程承辦商及已於相關的氣體工程類別註冊的氣體裝置技工執行，以免造成危險或損毀爐具。

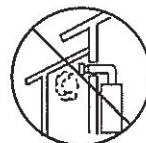
切勿遮蓋排氣管的出口



- 切勿因增建或改建等原因使排氣口位於室內，以避免引致一氧化碳中毒或火警危險。



RSW10RF



RSW10TF



注意

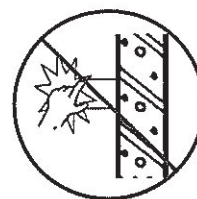
請依照下列指示以防燙傷



- 當使用熱水後，立即開啟熱水龍頭，或迅速減慢熱水流時，熱水可能會突然噴出來。為避免燙傷危險，切勿將熱水直接噴灑在頭和身體上。
- 當使用花灑時，熱水可能會先流出。為避免燙傷，請先用手確認水溫。切勿直接將熱水噴灑在頭和身體上。



先用手確認水溫



切勿觸摸排氣管



- 熱水爐使用期間或完畢後，切勿觸摸排氣管，避免燙傷。

請遵照下列的指示，避免火警發生



- 切勿於熱水爐或排氣管周圍擺放易燃物品，如紙張、木材或衣服。
- 切勿於熱水爐或排氣管周圍擺放或使用揮發性油劑，如汽油或石蠟油。
- 切勿於熱水爐或排氣管周圍擺放或使用噴霧罐，如噴髮劑或噴霧清潔劑。



注意

有關用途



- 熱水爐供應熱水給浴室或廚房使用，切勿用作其他用途，以免發生意外或損壞爐具。
- 切勿將流經熱水爐的水用作飲用或煮食用途。
- 本熱水爐是供日常家居用途。為免縮短熱水爐的壽命，請勿用於商業用途。

有關安裝



- 嚴禁安裝於室外地方。
- 請盡量縮短熱水喉管的長度，以及避免水管有可能導致閉塞及滯水的地方。
- 盡量縮短熱水出口與水龍頭的距離。
- 安裝排氣管時，確保排出的煙氣不會直接排向外牆、窗戶、玻璃、鋼門或鋁窗框等物件，這或會引致這些物件出現變形及變色。

有關使用



- 若熱水爐已停用超過一星期，於使用前，應將滯留於水管內的水先排走。
- 進行排水時，請盡量避免產生水霧，應使用延伸水管連接出水口及排水位。
- 排水方法：關閉熱水爐，將距離熱水爐最遠的熱水水龍頭完全開啟1分鐘。
- 為節省能源，不使用熱水爐時，應將熱水爐電源完全關閉。

有關清潔及保養



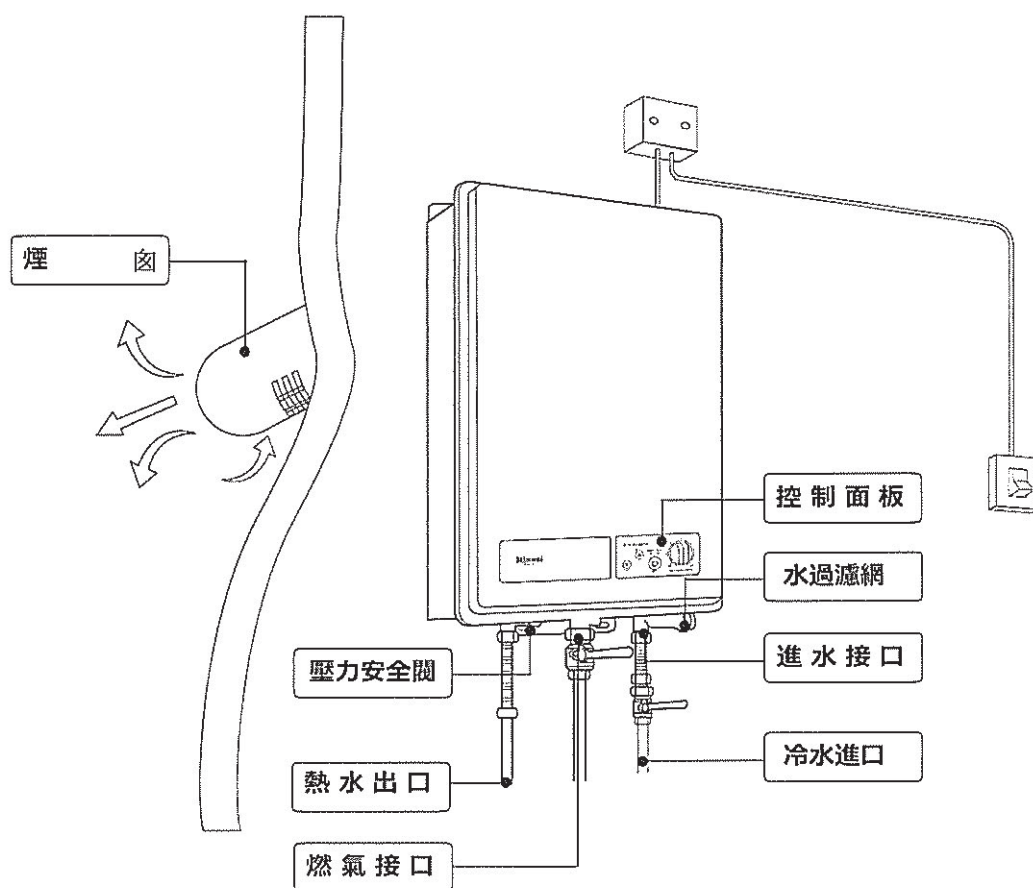
- 若熱水爐或喉管接觸到腐蝕性物質，請用大量清水把它們沖掉。
- 使用中性清潔劑清潔熱水爐。

檢查熱水爐安裝

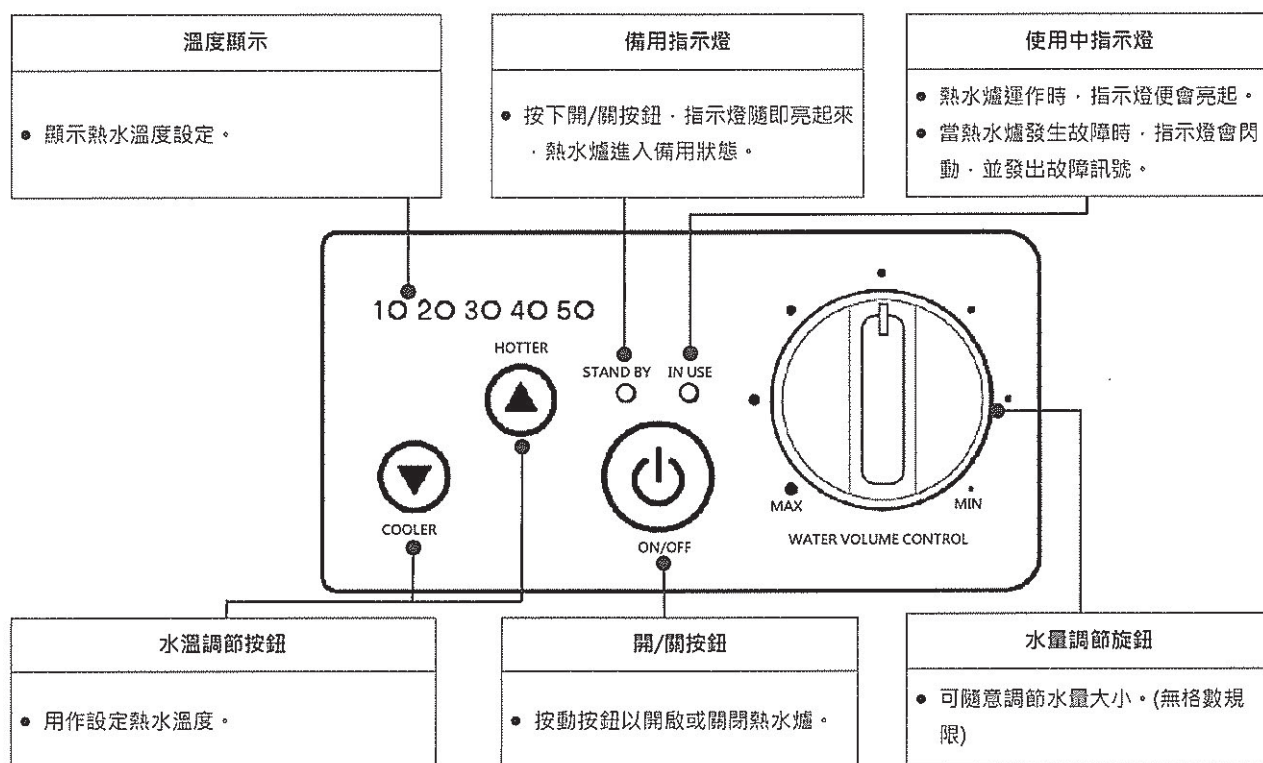


- 熱水爐是否在水平位置安裝？
- 熱水爐是否遠離冷卻器、發熱器及冷氣機的入風口和出風口？因為它們會妨礙熱水爐的燃燒運作。
- 熱水爐周邊須預留足夠空間方便維修。

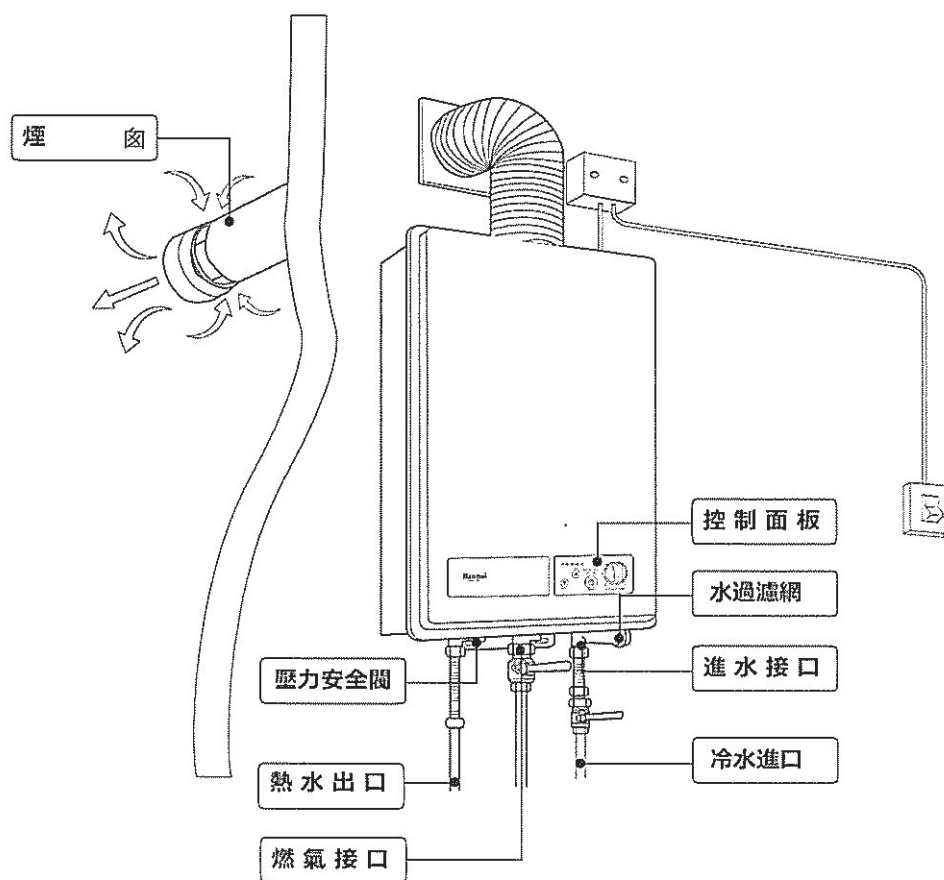
RSW10RF



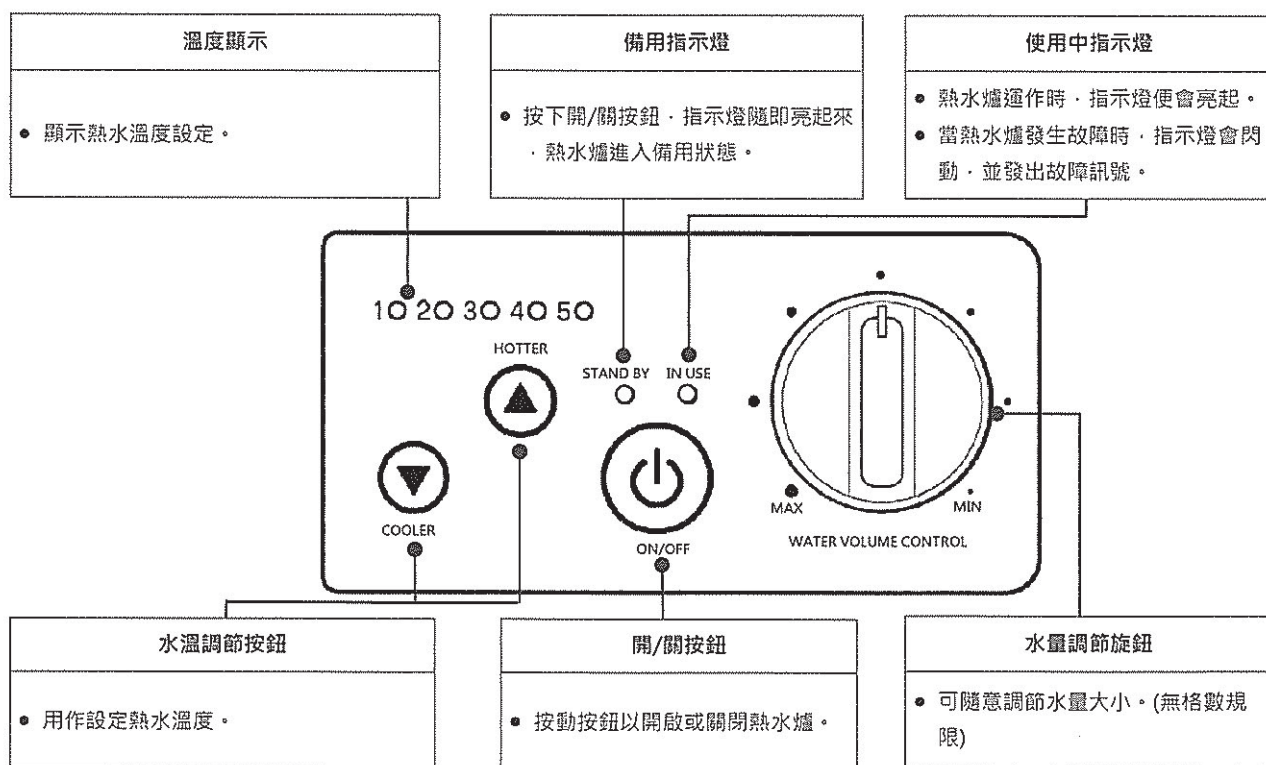
面板控制器



RSW10TF



面板控制器



注意

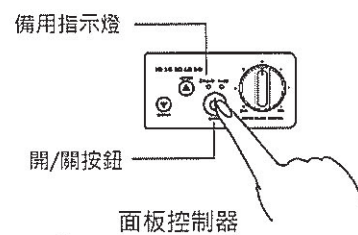


- 為避免燙傷，淋浴時請先用手確認水溫，切勿將熱水直接噴灑往頭部和身上。
- 為避免燙傷，使用高溫的熱水後，水管中仍存有高溫熱水，再次使用熱水時，請務必先用手確認熱水的溫度後才使用。
- 長時間不使用熱水爐時，請關閉電源、進水掣及氣掣。

熱水水溫設定

1) 開啟熱水爐

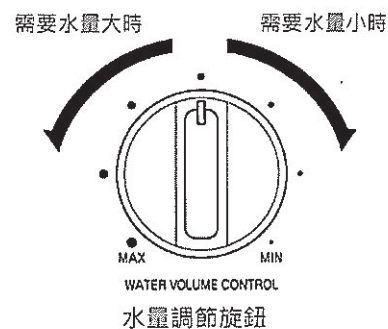
- 開啟熱水爐的電源後，按面板控制器上的開/關按鈕。
- 備用指示亮起，此時熱水爐處於備用狀態。



2) 設定熱水水量

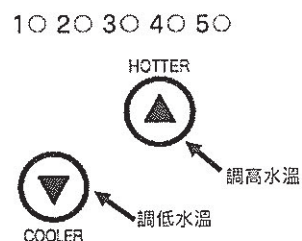
旋轉水量調節旋鈕，以選擇所需的水量。

- 需要小水量是，按順時針方向旋轉旋鈕。
- 需要大水量時，按逆時針方向旋轉旋鈕。
- 在溫度調節不變的情況下，順時針方向旋轉，調小水量的同時，出水溫度會升高，逆時針方向旋轉，會使水量變大，出水溫度降低。



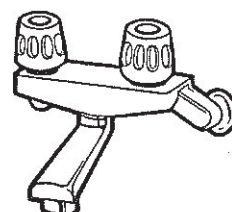
3) 使用熱水

- 當開啟熱水龍頭時，熱水爐立即運作，使用中指示燈會亮起。
- 出水量不變的情況，如需要較高的熱水溫度，可以按下溫度調節 "▲" 鍵。反之則按下 "▼" 鍵，溫度調節共有五級，供用戶選擇。



4) 停止操作

- 關閉熱水龍頭，熱水爐停止運作，使用中指示燈熄滅。
- 按下開/關按鈕，所有顯示燈便會關掉。



安全設施

- 火焰失效：火焰感應棒除監察正常的燃燒外，當沒有火焰時，感應棒會將火焰失效訊號傳送到控制器，以停止供氣到燃燒器。
- 殘火安全裝置：當水龍頭已經關閉而火焰仍然存在，而在熱交換器內的水溫高達 97°C 時，雙金屬安全裝置會關閉電磁閥停止供氣。
- 過度沸騰：當熱水溫度高於 75°C，熱水熱敏電阻訊號將傳送到控制器以停止供氣。
- 水流量感應裝置：若進入的水流受到阻隔或被中止，水流量感應器會停止傳送磁脈衝訊號到控制器，並停止供氣。
- 熱交換器過熱保護裝置：若熱交換器燒毀或溫度高達 150°C 時，過熱保護裝置會啟動，停止熱水爐運作。
- 防止過高水壓裝置：若熱水爐內的水壓高於 2.1MPa，置於熱水出口的洩壓閥會打開，釋放已累積的壓力，待水壓降回 1.5MPa 的水平才會關閉。
- 助燃風扇轉速檢查：風扇的轉速由檢速器所監測；若風扇轉速與要求速度有所偏差，訊號將會傳送到控制器，而轉速亦會作出相應的調整。

熱水爐調控熱水溫度提示

- RSW10RF / RSW10TF 熱水爐可以提供每分鐘 10 公升流量，升溫 25°C 的熱水，適合在不同季節的一般沐浴使用。您可以在面板控制器設定所需的熱水溫度及熱水水量調控出水溫度，亦可通過調節混合龍頭的冷熱水比例達到所需溫度。
- 在夏季偶有極炎熱的天氣，自來水的溫度可能過高，熱水爐的出水溫度可能太高，這時，請將溫度調節按鍵設定為最低的位置。
- 在冬季偶有極寒冷的天氣，自來水的溫度可能過低或熱水流量過大，熱水爐的出水溫度可能會不夠熱，可用水量調節旋鈕減少熱水流量，以獲得適合水溫。
- 為了防止發生燙傷的危險，熱水爐出廠時的設定定最高溫度為 75°C，當熱水溫度超過 75°C 時，控制器會自動將設定溫度逐段降到出水溫度低於 75°C 的位置。例如，火力會從 "5" 下降到 "4"、"3"、"2" 或 "1"。
- 當熱水溫度低於 30°C 時，為了延長熱水爐的使用壽命，(過低的熱水溫度，會使熱交換器提早損壞)，控制器會自動將設定溫度逐段上升到出水溫度高於 30°C 的位置。例如：火力會從 "1" 上升到 "2"、"3"、"4" 或 "5"。

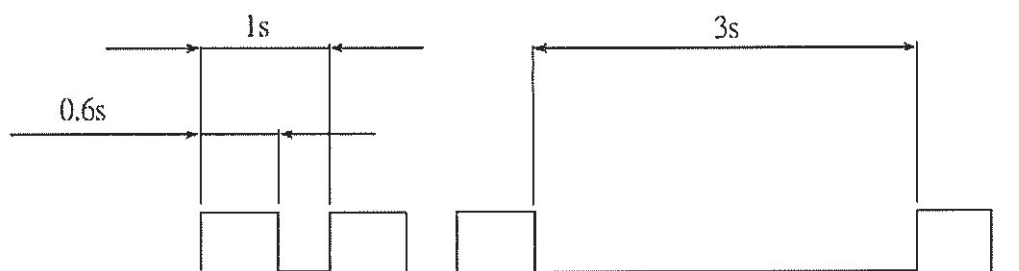
- 1) 機身不可用溶劑清潔，應使用濕軟布揩抹，再用乾軟布揩乾。
- 2) 如花灑出水變慢，花灑水孔可能堵塞，應加以清理。
- 3) 應定期檢查及保養熱水爐，可保安全及高效率使用。

故障處理方法

安全裝置會持續監察熱水爐運作之狀況。當故障發生時，故障訊號會立即顯示在面板控制器上，這有助於用戶明瞭故障所在，並作出適當的行動。當詢問維修服務時，請說出故障時使用中指示燈的閃爍次數。

使用中指示燈閃爍次數	內容
2	熱水爐內溫度異常。
3	點火不良。
4	溫度保險絲熔斷，或過熱防止裝置啟動。
5	沸騰檢知。
6	溫度感應裝置故障。
8	風機轉速異常。
9	電磁閥驅動迴路異常。
10	熄火保護電路感應裝置異常。
11	熄火安全裝置啟動。
12	熱水爐內溫度電阻故障。

- 使用中指示燈的閃爍時間如下：



在一些情況下，關閉熱水水龍頭然後重新開啟，故障訊號有可能取消。如故障訊號仍然存在，可嘗試關上電源，等待 10 秒後重啟熱水爐。若故障訊號仍然顯示，請聯絡煤氣公司安排維修。

在寒冷及潮濕天氣，排煙管出口偶會冒出煙霧，這是煙氣中的水氣遇冷轉為白色煙霧所致，這是正常現象。

型號			RSW10RF	RSW10TF
基本規格	安裝		室內掛牆式	
	爐具排氣方式	系統	機動排煙密封式	
		排煙方式	背排	頂排
		排煙管最長伸展	/	5 米 2 彎
	尺寸 (毫米)		(闊) 336 x (高) 565 x (深) 132	
	重量 (千克)		13.0	
	燃氣種類		香港石油氣	
	供氣壓力 (千帕)		2.9	
	接駁	燃氣	1/2" BSP	
		冷水	1/2" BSP	
		熱水	1/2" BSP	
		電源供應	AC220V 50Hz	
	消費電力 (瓦)		70	
運作調制系統	點火方式		直接火花點火	
	熱水供應量 (公升/分鐘) 於25°C升溫		1.8/3.6/6.4/8.2/10 (5段)	
	最高流水量 (公升/分鐘)		10.5	
	最低流水量 (公升/分鐘)		3.6	
	最低操作水壓差 (千帕)		25	
	理想操作水壓差 (千帕)		70 至 700	
安全裝置	熄火安全裝置		火焰檢知樣式	
	殘火安全裝置		雙金屬開關 (97°C)	
	防止水溫過熱裝置		熱敏電阻 (75°C)	
	停水保護裝置		水流感應器	
	防止過熱保護裝置		熱斷保險絲 (150°C)	
	過大水壓裝置		水洩壓閥 (開 : 2.1兆帕) (關 : 1.5兆帕)	
	助燃風扇檢測		氣壓開關	
	過大電流保護裝置		保險絲 (5A)	
	漏電保護裝置		斷路器 15毫安, 0.1秒	
燃燒規格	耗氣量	最高	77.4 (21.5)	
	兆焦耳/小時 (千瓦)	最低	14.7 (4.1)	
	助燃風扇		AC風扇	
防水			IPX5	

本產品符合香港電氣產品 (安全) 規例




Important Safety Instructions	P. 11
Product Description	P. 14
Operating Instructions	P. 16
Maintenance	P. 18
Trouble Shooting	P. 18
Specifications	P. 19

Attention!

According to the Gas Safety Ordinance of Hong Kong, any gas installation works including the installation of appliances and connection tubing, must be undertaken by registered gas installers who are registered for that appropriate classes and be employed by registered gas contractors.

Important Safety Instructions

In order to use this appliance safely, please be sure to do the following. The contents of these notes have an important bearing on safety. Meaning of the symbols and meanings are as below.

 Danger	If you ignore this symbol and mistakenly handle the appliance, it may incur death, or serious injury and also that there is an imminent danger of fire breaking out.
 Warning	If you ignore this symbol and mistakenly handle the appliance, it may incur death, or serious injury and also that there is a possibility of fire breaking out.
 Caution	If you ignore this symbol and mistakenly handle the appliance, this may incur injury or material damage.

The above injuries and material damage refer specifically to the followings.

- Injury: injuries, burns and electric shocks etc. that require treatment in hospital or long-term hospitalization.
- Material Damage: widespread damage to house and furnishings.

The pictures symbols have the following meanings.



General danger,
warning or caution



Forbidden



Do not touch



Be sure to do



Disassemble is
forbidden



Must be earthed



If you notice something wrong with the appliance



- If you notice abnormal flames, gas smell or strange sounds, please turn off the water tap and gas valve immediately, and call for service.
- In the event of earthquake or fire, cease operation without hesitation.



Turn off



Turn off

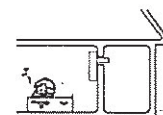
1. Turn off the water
tap

2. Turn off gas valve

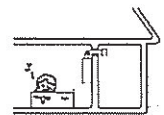


Do not place the outlet of flue terminal indoor

- The outlet of flue terminal should be faced outdoor.



RSW10RF



RSW10TF



If you notice a gas leak

Turn off
water tap Turn off
gas valve



1. Cease use and
close the gas valve



2. Open all windows
to disperse the gas.



3. Contact gas supply
company with a phone
outside the premises.

If there is a gas leak



- Do not ignite a fire, insert or remove power plug.
- Turn on or off any electrical appliance is forbidden.
- Do not use nearby telephone or mobile phone.



When there is a gas leak, do not do any of the above actions until repair work has been completed .
Do not re-open the gas valve until the gas is no longer leaking .

Important Safety Instructions

Warning

Care to be taken with children



- When filling hot water into the bath-tub, do not allow children to play in the bathroom to avoid the children falling into the bath-tub or causing any dangers.
- Do not allow children to bath without the supervision of adult.
- Do not allow children to touch water heater in order to prevent accidents.

Self disassembling, repairing and modification of water heater are strictly forbidden

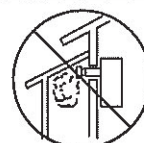


- All installation, maintenance and its related work are only allowed to be undertaken by registered gas installers (registered for that appropriate classes) employed by registered gas contractors in order to avoid causing accidents and damages.

Do not cover the outlet of the flue terminal



- Do not place the flue terminal in an indoor environment by means of adding walls and ceiling in order to avoid the occurrence of carbon monoxide poisoning or fire.



RSW10RF



RSW10TF

Caution

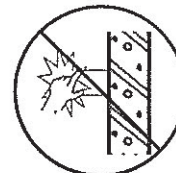
What you must do to prevent scalding



- When you open the tap again after using hot water, or quickly reduce the hot water flow, hot water may suddenly come out. As there is a risk of being scalded, do not direct the water onto your head or body.
- When using the shower, hot water may come out at first. In order to prevent scalding, check the water temperature with your hand. Do not direct the water onto your head or body.



Always check the water temperature with your hand first



Never place your hand on or touch the flue terminal



- During or immediately after using the water heater, do not place your hand on or touch the flue terminal to prevent from scalding.

What you must do to prevent fire



- Do not place things that easily burn, such as paper wood or clothes, around the appliance or flue terminal.
- Do not place or use flammable materials, such as gasoline or benzine, around the appliance or flue terminal.
- Do not place or use spray cans, such as hair spray or spray cleaners, around the appliance or flue terminal.

Important Safety Instructions



Caution

Regarding use



- Do not use the water heater for purpose other than to supply hot water for use in bathroom or kitchen. This is intended to prevent accidents or damage.
- Do not use water from the water heater for drinking or cooking.
- This appliance is for domestic use. Be aware that frequent, long-term commercial use will dramatically shorten the life of the appliance.

Regarding installation



- Do not place or install at outdoor.
- Minimize pipe length and avoid dead legs and stagnant corners in hot water pipework.
- Minimize the distance between hot water outlet and water tap.
- When installing the flue terminal, make sure the flue gas does not discharge directly to the outside walls, windows, glass, mesh doors or aluminum sashes etc. This could cause material disfiguration or discolouration.

Regarding operation



- If water heater is not used for more than one week, drain away stagnant water in pipework before use.
- During water purging, avoid generation of water mist. Use extension pipe to connect water outlet and drain point.
- Method of water purging: Turn off water heater and fully open the most distant hot water tap from the water heater for 1 minute.
- To save energy, switch off water heater completely when hot water is not used.

Regarding cleaning and maintenance



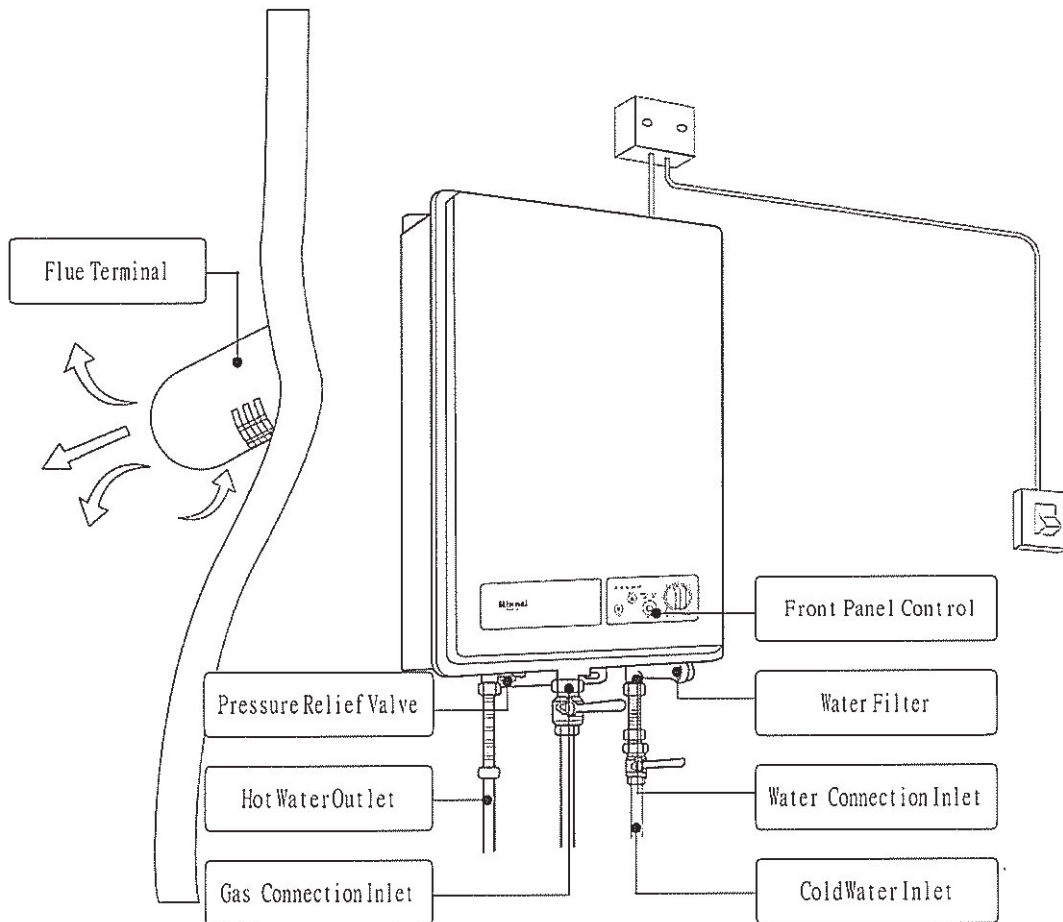
- If corrosive substance touches the appliance or gas pipe, wash them off with ample water straight away.
- Use neutral detergent to clean the appliance.

Checking appliance installation

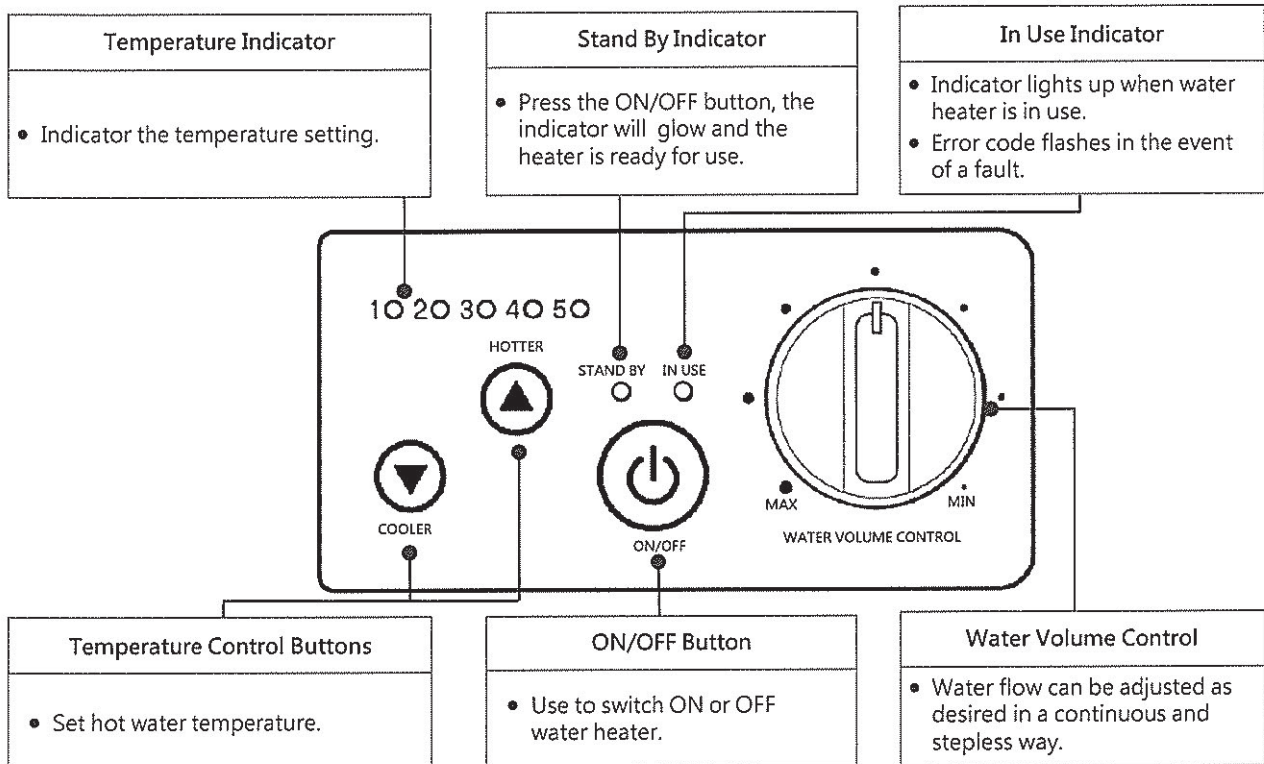


- Is the appliance installed horizontally?
 - Are the air intakes and outlets of coolers, heaters and air-conditioners away from the appliance? These can interfere with proper combustion.
 - Ensure there is sufficient space for maintenance of water heater.
-

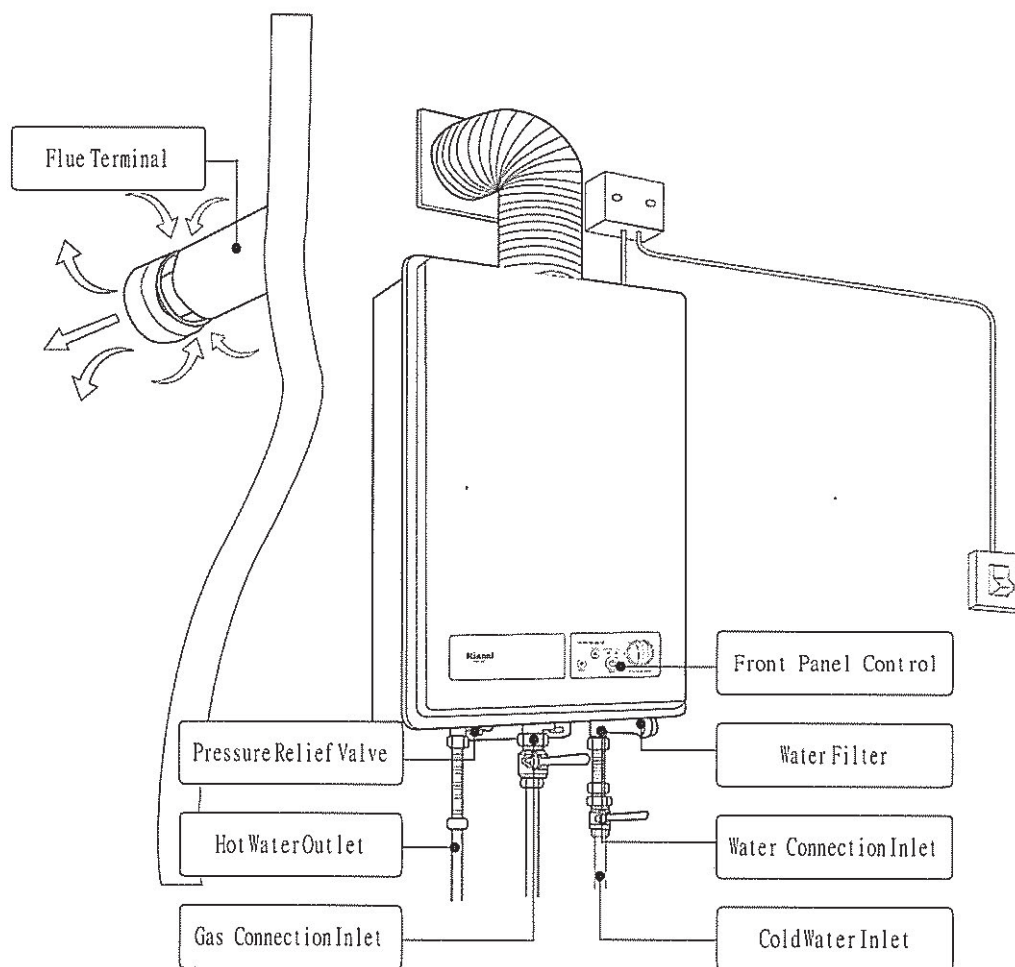
RSW10RF



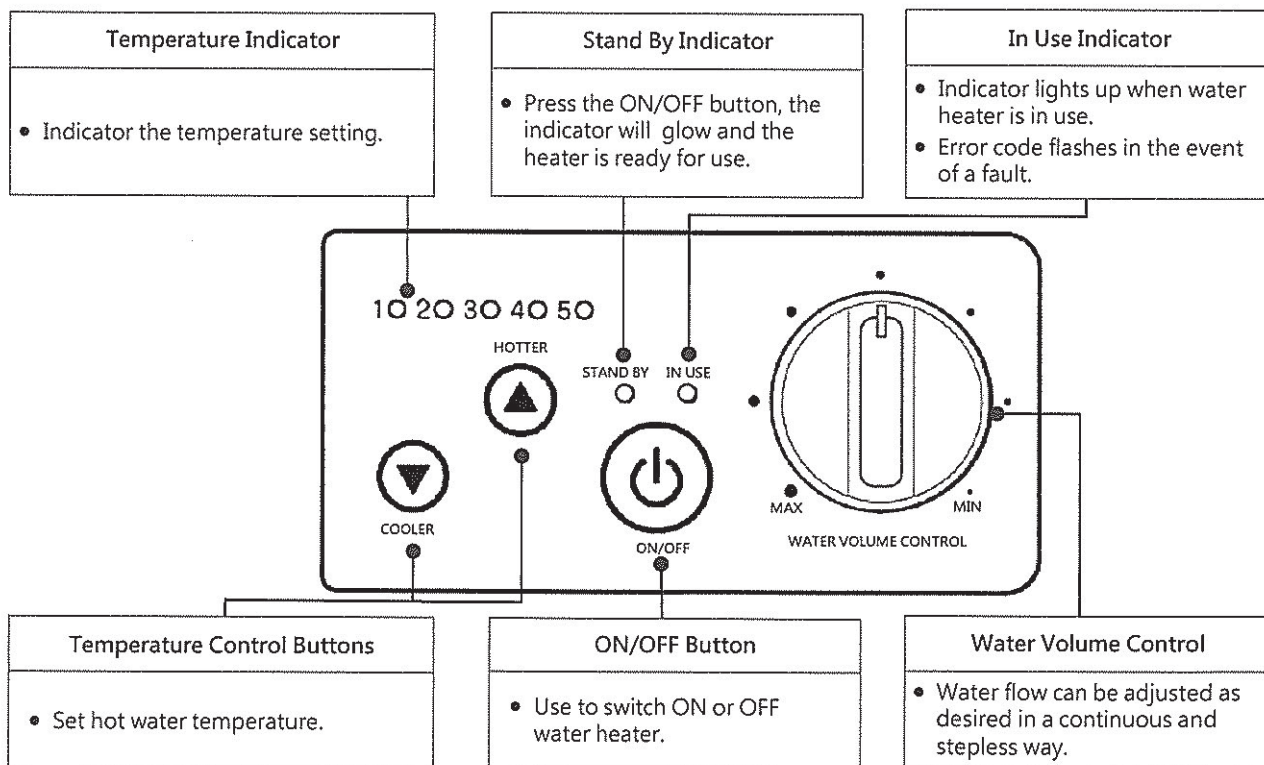
Front Panel Control



RSW10TF



Front Panel Control



Caution

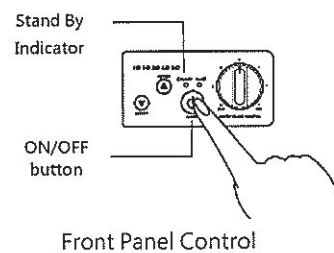


- To prevent scalding, check water temperature with your hand before use. Do not direct water onto the head or body.
- When you turn on the tap again after using high temperature hot water, there is a risk of being scalded as high temperature water may left in the water pipe. Check water temperature with your hand before use.
- Turn off the power supply, the water inlet valve and the gas valve when the water heater is not to be used for a long period of time.

Control of Hot Water Temperature

1) Switch on water heater

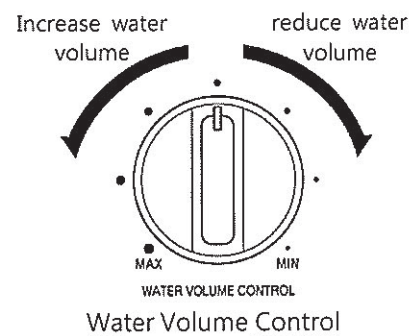
- Switch on power supply of water heater and press ON/OFF button on front panel control.
- Stand By Indicator lights up and the water heater is ready for use.



2) Select hot water volume

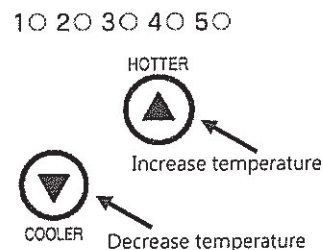
Turn water volume control knob for the desired water flow.

- Turn the knob clockwise for small water flow and counter clockwise for large water flow.
- While keeping the selected water temperature setting you can turn the knob clockwise to reduce the water flow for higher water temperature, on the contrary, you can turn it counter clockwise to increase water flow for lower water temperature.



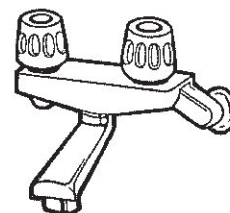
3) Supply hot water

- When turn on hot water tap, water heater operates automatically, In Use indicator lights up.
- While keeping water volume unchanged, you can press the "▲" button for higher water temperature, or you can press the "▼" button for lower water temperature. The temperature can be adjusted by five levels



4) Stop operation

- Close hot water tap, water heater stops operating and "In Use" indicator is off.
- Press the ON/OFF button, temperature display and all indicator lights will be off.



Safety Device

- Flame failure: Apart from monitoring combustion, flame rod will send the flame failure signal to the controller when there is no flame for stopping the gas supply to the burner.
- Remaining flame safety device: If the flame remains on the burner after the water tap has been turned off, and the temperature of the water inside the heat exchanger reaches 97°C , bi-metal switch shuts off the solenoids and stops gas supply.
- Over boiling: If the hot water temperature reaches 75°C , hot water temperature thermistor will send signal to the controller to stop gas supply.
- Water flow sensing device: Should the water flow coming in become restricted or stopped, then the water flow sensor will cease to send magnetic pulse signal to the controller for stopping gas supply to burner.
- Heat exchanger overheat protection device: If the heat exchanger burns out or its temperature reaches 150°C , thermal cut-off will activate and shut down the water heater.
- Over pressure protection device: If the water pressure inside the water heater is over 2.1MPa, the pressure relief valve located near hot water outlet will open to release the built up pressure until it reduces to 1.5MPa and it will then be closed.
- Combustion fan revolution check: The fan revolution speed is continually monitored by a sensor. If the fan speed deviates from the required speed, a signal is sent to the controller and the speed will be adjusted accordingly.

Water Heater Temperature Setting Reminder

- RSW10RF / RSW10TF water heater is capable to deliver 10 L/min hot water at 25°C temperature rise, which is suitable for general bathing purpose for all seasons. You can select the desired temperature by setting temperature and water volume on front panel control. In addition, you may adjust hot/cold water ratio of mixer to attain the desired temperature.
- In summer, there may be occasional extremely hot weather where supply water temperature is exceptionally high. Please turn down the temperature setting when the temperature of hot water is too hot.
- In winter, there may be occasional extremely cold weather where supply water temperature is exceptionally low or required water flow is too high. Please adjust water volume control knob to reduce water flow so that the desired water temperature is attained.
- To avoid being scalded, the highest preset water temperature is 75°C. When the outflow water temperature exceeds 75°C, the controller will automatically decrease it to lower than 75°C. For example, the temperature setting will go down from "5" to "4" , "3" , "2" or "1" .
- Too low hot water temperature (below 30°C) may damage heat exchanger and shorten the durability. To extend its service life, the controller will automatically increase the water temperature to above 30°C, For example, the temperature setting will go up from "1" to "2" , "3" , "4" or "5" .

Maintenance

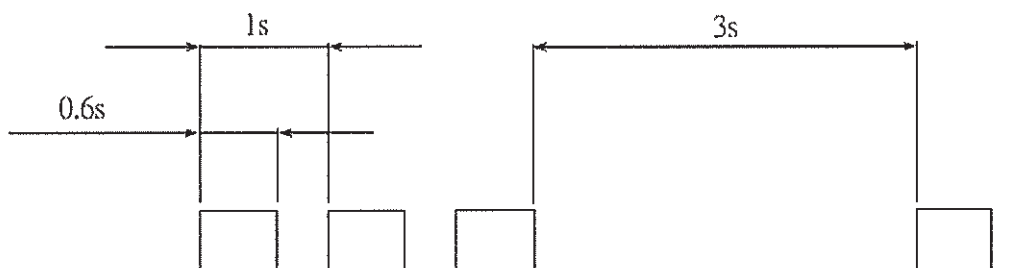
- 1) Never use solvents to clean the body of water heater. Please wipe the surface with a soft, damp cloth, then dry with a soft cloth.
- 2) If the water flow at the shower is reduced, the shower head may be blocked. Check and clean if necessary.
- 3) It is necessary for the appliance to be inspected and maintained regularly so that it can be used safely and efficiently.

Trouble Shooting

The safety device will check the operations of the water heater continuously. If a fault occurs, a fault code will flash on the display screen of the front panel control. This assists with diagnosing the fault, and may enable you to overcome a problem without a service call. Please quote the flashing frequency of the In Use Indicator when enquiring about service.

Flashing Frequency of In Use Indicator	Meaning
2	Abnormal temperature inside heater
3	Poor ignition
4	Temperature fuse blow out or the overheating device starts
5	Detecting boiling
6	Temperature sensor failure
8	Abnormal speed or blower
9	Abnormal drive circuit of the solenoid valve
10	Abnormal flame sensor protection circuit
11	Flame failure device activate
12	Temperature thermistor failure

- The flashing frequency of the In Use Indicator are as follows :



In some cases, fault code may clear when closing and re-opening the hot water tap. If the fault code does not clear, turn off power supply and wait for 10 seconds. Then, turn on the water heater again. If the fault code still persist, please contact Towngas Company for service.

SPECIFICATION

MODEL			RSW10RF	RSW10TF
BASIC SPEC.	INSTALLATION		INDOOR WALL-MOUNTED	
	EXHAUST	SYSTEM	FAN DRAUGHT ROOM SEALED	
		FLUE TYPE	BACK FLUE	TOP FLUE
		MAX. FLUE EXTENSION	5 METER 2 BENDS	
	DIMENSION (mm)		(W)336 (H)565 (D)132	
	WEIGHT (kg)		13.0	
	GAS TYPE		Hong Kong LPG	
	SUPPLY GAS PRESSURE (kPa)		2.9	
	CONNECTION	GAS	1/2" BSP	
		COLD WATER	1/2" BSP	
		HOT WATER	1/2" BSP	
		POWER SUPPLY	AC220V 50 Hz	
ELECTRICAL CONSUMPTION (W)		70		
OPERATION MODULATION SYSTEM	IGNITION		DIRECT SPARK IGNITION	
	HOT WATER SUPPLY (L/min) (Δ T = 25K)		1.8/3.6/6.4/8.2/10 (5 STEPS)	
	MAX. WATER VOLUME (L/min)		10.5	
	MIN. WATER VOLUME (L/min)		3.6	
	MIN. OPERATING WATER PRESSURE (kPa)		25	
	IDEAL OPERATING WATER PRESSURE (kPa)		70 ~ 700	
SAFETY DEVICE	FLAME FAILURE DEVICE		FLAME ROD	
	REMAINING FLAME		BI-METAL SWITCH (97°C)	
	HIGH WATER TEMPERATURE PREVENTIVE DEVICE		THERMISTOR (75°C)	
	NO WATER		WATER FLOW SENSOR	
	OVER HEAT PROTECTION		THERMAL CUT-OFF (150°C)	
	OVER PRESSURE PROTECTION		PRESSURE RELIEF VALVE (ON: 2.1 MPa) (OFF: 1.5 MPa)	
	COMBUSTION FAN CHECK		AIR PRESSURE SWITCH	
	OVER ELECTRICAL SUPPLY		FUSE (5A)	
	ELECTRICITY LEAKAGE		ELECTRIC LEAKAGE BREAKER 15mA, 0.1sec	
COMBUSTION SPEC.	GAS CONSUMPTION MJ/h (kW)	MAX	77.4 (21.5)	
		MIN	14.7 (4.1)	
	COMBUSTION FAN		AC FAN MOTOR	
WATER PROOF			IPX5	

This appliance complies with the Electrical Products (Safety) Regulation in Hong Kong



香港中華煤氣有限公司
The Hong Kong and China Gas Company Limited