

# COMPANION

## OWNERS MANUAL

### AQUACUBE DIGITAL

Part No. COMP812



AUSTRALIA'S ORIGINAL OUTDOOR BRAND

**IMPORTANT:** It is **IMPORTANT** that you read these instructions carefully and understand the operation and safety features of this appliance. Familiarise yourself with the appliance before connecting it to the gas cartridge. Keep these instructions safe for future reference.

## **THIS APPLIANCE IS NOT INTENDED FOR THE SUPPLY OF DRINKING WATER.**

THIS APPLIANCE IS INTENDED FOR THE SUPPLY OF HEATED WATER FOR THE PURPOSE OF WASHING AND CLEANING ONLY. CHECK AND CONFIRM SAFE WATER TEMPERATURE BEFORE USING THIS APPLIANCE. WATER FROM THIS APPLIANCE MAY BE VERY HOT.



**DO NOT:** Operate this appliance before reading this instruction booklet

**DO NOT:** Place articles on or against this appliance

**DO NOT:** Place chemicals or flammable material, or spray aerosols near this appliance

**DO NOT:** Operate panels, covers or guards removed from this appliance

**DO NOT:** Operate in an enclosed area without ventilation

**DO NOT:** Operate in a boat, caravan or tent

## **IMPORTANT**

- This appliance is designed to be used with a source water temperature of 20°C or below.
- The maximum temperature lift from the appliance is 30°C from the source water temperature.
- For safety the appliance is designed to shut off the burner when the water temperature from the outlet reaches 52°C.

## **GENERAL WARNINGS**

- This appliance shall only be used with the regulator supplied with the appliance and must only be connected to non-refillable 468g disposable Propane Cartridges certified to DOT-39, UN1075.
- This appliance is to be stored in a dry and well ventilated location free from direct sunlight.
- Do not store when still connected to the cartridge. Make sure that the cartridge is disconnected and is stored in a well ventilated area, free from direct sunlight, heat and ignition sources. If being stored indoors ensure that the location complies with the standard AS/NZS1596.
- This appliance must only be serviced by an authorised service agent, return to your place of purchase for service and repair.

## **DANGER!**

- Ensure all packaging is removed prior to first use.
- This appliance is designed for outdoor use only.
- Do not use the appliance if it has a leak, worn, deteriorated or damaged seals.
- Handle with care even after brief use, always pick up using the handle not the cartridge.
- It may be hazardous to attempt to fit other types of gas containers or cartridges.
- Use only in well ventilated areas.
- This appliance shall only be used in an above ground open air situation with natural ventilation, without stagnant areas, where gas leakage and products of combustion are rapidly dispersed by wind and natural convection.
- Do not use adaptors or modify appliance to fit other types of gas containers or cylinders.
- When using this appliance children must be supervised by an adult at all times.
- Never leave appliance unattended when operating.
- Do not use as a cooking appliance or modify for any other reason.
- **OUTDOOR USE ONLY** – The appliance must be used outdoors only and is to be operated no closer than 800mm from the sides and 800mm from above all combustible surfaces, fabrics and flammable materials.



## CARBON MONOXIDE HAZARD

**Using this appliance in an enclosed space may cause DEATH. Do not use in caravans, tents, marine craft, cars, mobile homes or similar locations.**

- Appliance is to be used on solid and stable horizontal surfaces made from non-combustible or non-flammable materials and should be protected from direct drafts and in a well ventilated place.
- Keep away from children at all times.
- **Caution:** Accessible parts may be very hot. Please take care when handling or moving the appliance.
- If you smell gas immediately turn the power off and move the appliance and cartridge to a well ventilated area outside, keeping well away from sources of heat such as naked flames and pilot lights.
- Do not attempt to move or relocate the appliance when it is operating. Extinguish the burner and allow to cool, disengage the gas cartridge then move the appliance.
- Must be used with approved 2.75kPa gas regulator supplied with the appliance. Do not use adaptors.

## CHECKING FOR GAS LEAKS

- Check that all connections are tight and that the gas cartridge connection has been tightened before you turn the appliance on.
- **NEVER** check for leaks with a flame or pilot light.
- Using soapy water coat all connections. If bubbles appear tighten the connection before re-testing.
- Inspect the appliance regularly for signs of wear, leaks or incorrect operation. If symptoms such as flaring of the burners, issues with lighting, damage to connections or leaks from seals or gas controls are identified do not attempt to repair, return to your authorised stockist for service and maintenance.
- To check if gas remains in the cartridge, disconnect from the appliance and hold the cartridge in a vertical position then shake from side to side. If there is a sound or a feel of liquid movement inside the cartridge, the cartridge contains gas.
- When changing gas cartridges ensure this is conducted outside in a well ventilated location free from people, animals and ignition sources such as naked flames, pilot lights and electrical equipment with heaters or elements.

## IMPORTANT

This appliance is designed to be used with a source water temperature of 20°C or below, if the temperature of the outlet water exceeds 52°C the burners will shut off and will only relight once the outlet water temperature falls below 45°C.

This appliance is designed to raise the outlet water temperature by a maximum (average) of 30°C above the source water temperature and can be adjusted by the gas control. In the event that the temperature lift is insufficient, simply run water through the appliance once returning the heated water to the source water reservoir. Run again through the appliance until the desired temperature is reached.

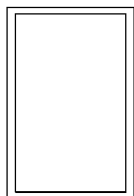
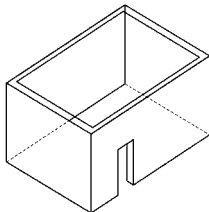
## SAFETY FEATURES

This appliance is equipped with the following safety features:

- **Over Temperature Sensor** – the appliance will not allow the burner to remain in operation once the outlet water temperature reaches 52°C, the burner will automatically relight once the outlet temperature falls below 45°C.
- **Water Flow Sensor** – water must be flowing through the system to allow the burner to ignite. In the case that the water supply is restricted or ceases, ie. the Flow Switch is in the “off” position, the burner will be extinguished and will not relight until the water flow recommences.
- **Tilt Switch** – in the event that the appliance is moved during operation or is being operated on an unstable or non-solid surface the appliance will shut down and must be switched off until a suitable surface is located.
- **Fuse Protection** – fuses are located in the cigarette lighter and pump power inlet. In the event of an electrical supply issue these will ‘blow’ and protect the electronic system of the appliance.

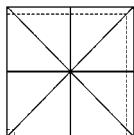
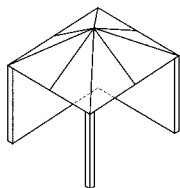
## SAFETY INSTRUCTIONS

This appliance shall only be used in an above ground open air situation with natural ventilation, without stagnant areas, where gas leakage and products of combustion are rapidly dispersed by wind and natural convection.

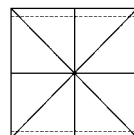
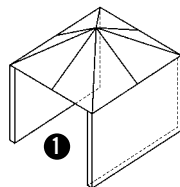


**Any enclosure in which the appliance is used shall comply with one of the following:**

**(A)** An enclosure with walls on all sides, but with no overhead cover.

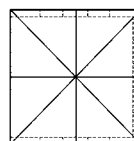
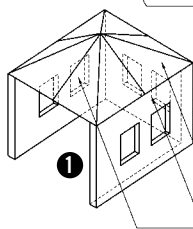
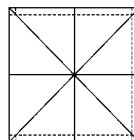
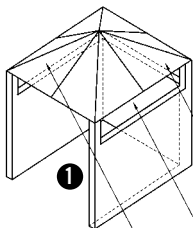


**(B)** Within a partial enclosure that includes an overhead cover and no more than two walls.



**(C)** Within a partial enclosure that includes an overhead cover and more than two walls, the following shall apply:

- (1)** At least 25% of the total wall area is completely open.
- (2)** 30% or more in total of the remaining wall side, back and front wall areas is open and unrestricted.
- (3)** In the case of balconies, 20% or more of the total wall area shall remain open and unrestricted.



**EXHAUST**

**AIR INLET**



## IMPORTANT

During operation ensure that all air inlets and exhausts are kept free from obstructions and closure.

## UNDERSTANDING YOUR APPLIANCE



GAS  
REGULATOR



WATER HOSE  
AND PUMP



12V DC LEAD &  
CONNECTION



QUICK CONNECT  
FITTING



SILICONE  
HOSE



SHOWER  
HEAD



CARRY  
BAG

SPRAY PATTERN CONTROL

DIGITAL  
CONTROL PANEL

FLOW SWITCH



EXHAUST (BOTH SIDES)

GAS CONTROL

GAS REGULATOR

WATER INLET

TAP FLOW  
CONTROL

PUMP POWER  
OUTLET

PUMP FUSE

UNIT POWER INLET

TAP OUTLET



BURNER  
OPERATING

SAFETY CUTOUT  
INDICATOR



WATER OUTLET  
TEMPERATURE

POWER ON/OFF

PUMP CONTROL



## SETTING UP

- Step 1.** Remove all components from the storage bag and place the appliance on a solid, non-combustible surface and straighten out all hoses to remove any kinks or twists.
- Step 2.** Connect the DC power lead to the unit and the cigarette lighter fitting to a suitable DC power source.
- Step 3.** Swing the tap away from its storage position and locate towards the side of the appliance. Check that the flow is set to maximum.
- Step 4.** Check that the power switch is "OFF" then connect the pump assembly to the water inlet and the power lead to the outlet marked "PUMP".
- Step 5.** Attach the gas cartridge to the regulator by rotating in a "clockwise" direction then attach the regulator to the Aquacube. Check for gas leaks with soapy water – **Do not use a flame**. If a leak is detected remove the gas cartridge and retighten all connections, then retest.
- Step 6.** Submerge the pump in a suitable reservoir of water, **DO NOT** use water direct from rivers, lakes or the ocean. **DO NOT** use salt water with this appliance.





## OPERATING THE SHOWER

- Step 1.** Press the Power Button and the unit will switch on.
- Step 2.** Attach the shower hose using the Quick Connect Fitting, and ensure that the Flow Switch on the shower head is in the "ON" position.
- Step 3.** Position the gas control in the central position, then depress the START Button, water will start to flow within a few moments.
- Step 4.** The electronic ignition should be heard igniting the burner, when lit, the flame icon on the display will illuminate and the outlet water temperature read out will increase.
- Step 5.** Taking care to measure the temperature of the water from the shower head, the temperature can be adjusted by turning the gas control until the desired level is reached.
- Step 6.** The water flow can be stopped at any time by sliding the Flow Switch to the "OFF" position, the burner will extinguish and the pump will continue to operate.
- Step 7.** To reignite the burner, slide the Flow Switch to the "ON" position and water will flow from the shower head and the burner will reignite within 5 to 10 seconds.
- IMPORTANT –** Water remaining in the heat exchanger while the flow is stopped may become hot. When the flow is resumed the user must check the temperature output to ensure that it is suitable and not too hot.
- Step 8.** Once the user has finished with the appliance, slide the Flow Switch to the "OFF" position and depress the "START" button to stop the flow of water to the appliance.





## OPERATING THE TAP

- Step 1.** Swing the tap away from its storage position and locate towards the side of the appliance and locate a basin or bucket beneath and locate the water flow to the central position.
- Step 2.** Press the Power button and the unit will turn on.
- Step 3.** Position the gas control in the "HIGH" position, then press the "START" button, water will start to flow within a few moments.
- Step 4.** The electronic ignition should be heard igniting the burner, when lit the flame icon on the display will illuminate and the outlet water temperature read out will increase.
- Step 5.** The water temperature can be adjusted by moving the flow valve between "MIN" and "MAX" as this will slow or increase the water flow resulting in an increase or decrease in the outlet temperature.





## STORING THE APPLIANCE

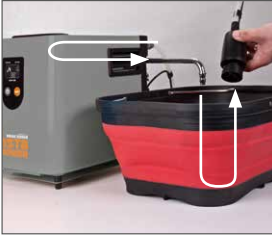
- Step 1.** Press the “Power” button and turn the appliance off.
- Step 2.** Disconnect all hoses and hold vertically allowing all excess water to drain from them. Check that the shower head Flow Switch is in the “ON” position.
- Step 3.** Unscrew the regulator assembly from the appliance and remove the gas cartridge.
- Step 4.** Return the tap to its locked position.
- Step 5.** Tip the appliance towards the back and to one side to drain excess water from the heat exchanger via the water inlet.



## DISCONNECTING CARTRIDGE

- Step 1.** Check that the appliance is fully extinguished and turned off and all surfaces are cool.
- Step 2.** Loosen the regulator connection to the appliance in an anti-clockwise direction.
- Step 3.** Loosen the regulator connection to the gas cartridge in an anti-clockwise direction.





## HINTS AND TIPS

### Recycle Water – Increased Heat Output

If the outlet water temperature is insufficient, it is recommended to increase the temperature by pre-heating the water before using the shower. Operate the appliance as normal and cycle the water back into the water reservoir to raise the temperature then use this for the shower.

Additionally if the smaller inner rings on the shower head are used this will contribute to increasing the water temperature.

### Water Filter – Pump

The pump is fitted with a mesh filter on the water inlet, this must be periodically checked and cleaned if there is a build up of foreign material that may restrict the water flow to the appliance.

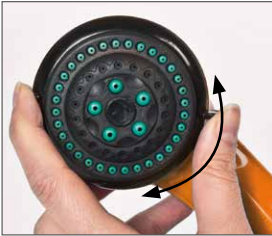


### Air Lock – Hoses

During operation if the water reservoir is low on water or the pump is lifted out this will result in air being “sucked” into the hose causing a blockage. If this occurs simply turn the appliance off, disconnect the hose and remove from the water and allow to drain out. Reassemble and commence operation.

### Spray Patterns – Shower head

The Shower Head can be adjusted to provide three distinct spray patterns. Adjust the selector dial to choose between patterns.



### Cartridge “Freezing”

When using the disposable cartridge and the appliance is run on high for extended periods of time the cartridge will start to “freeze” up - this is identified by the build up of ice on the outside of the cartridge.

This will result in reduced performance for the burners and a drop in outlet temperature.

To correct, turn the appliance to low or OFF and wait for the cartridge to return to normal appearance.

## CARE INSTRUCTIONS

Using warm soapy water with a mild detergent wipe down all surfaces and areas of the appliance, taking care not to allow water to enter the burner outlets.

**DO NOT** submerge the appliance in a sink or bowl.

**DO NOT** use abrasive cleaners or bleach.

## ERROR CODES

The appliance is fitted with a number of operational and safety features that can be identified by the following error codes in the event that the unit will not operate:

**E3:** No Flame / Burner not lit

**E6:** Over Temp Shut Off

**E7:** Outlet Water Temp Exceeds 52°C

**E8:** Tilt Switch Activated



## TROUBLE SHOOTING

This guide should be followed in case of failure of the appliance to operate correctly. If symptoms persist contact Customer Service on 1300 555 197.



**DO NOT ATTEMPT TO REPAIR  
OR MODIFY THE APPLIANCE**

PROBLEM	CAUSE
<b>Water will not flow from shower head</b>	Check that appliance is switched on
	Check sufficient water is available
	Check that the pump is connected to the appliance
	Check that adequate DC power is available
	Check DC fuse in cigarette lighter fitting
	Check that the shower flow water regulator is in the open position
<b>Burner will not light</b>	Check that gas cylinder is turned on and that there is gas in cylinder
	Check that the water is flowing from shower head
	Check that the water is not over temperature
<b>Water is not hot enough</b>	Check gas control
	Check source water temperature
	Cycle the water through the system back in to the source reservoir then through the appliance again

## TECHNICAL DETAILS

SPECIFICATIONS	
Part No:	COMP812
Water flow:	3 litres per minute (Average)
Inlet voltage:	12V DC - 5A
Size:	245L x 310W x 300Hmm
Weight:	6.0kg excluding cartridge
Injector size:	0.66mm x 4
Gas:	Propane
Consumption:	20.68Mj/hr / 412g/hr



## NOTES

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