

Gasmate®

WATERTECH

PORTABLE HOT WATER SYSTEM

Model No. HWS0012

Portable instant hot water on demand

Automatic ignition starts when the pump is turned on,
stops when the pump is turned off

LCD temperature display screen

Multi-season mode

Low water pressure on start up

Easy temperature adjustment

Hanging / mounting carry handle

Flame failure system

Low pressure safety system

Includes showerhead, water hoses, filter, pump, gas
regulator and hose

Gas certified to Australia & New Zealand standards



NOTE: USE OUTDOORS ONLY

Important: Retain these instructions for future use

Gasmate® is a registered trademark of

Sitro Group Australia Pty Ltd www.gasmate.com.au

Aber Living, N.Z www.gasmate.co.nz

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GENERAL WARNINGS

IMPORTANT

Read these instructions for use carefully. Familiarise yourself with the appliance before connecting it to a gas container. Keep these instructions for future reference.



WARNING

- THIS APPLIANCE IS NOT INTENDED FOR THE SUPPLY OF DRINKING WATER.
- Only operate with the pump supplied.
- Do not use salt water in this appliance.
- This appliance shall only be connected to a cylinder certified to AS2469 standards.
- This appliance is designed for outdoor use only and must be operated away from any flammable material or surfaces and materials.
- 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 cylinder.
- Make sure that the cylinder 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, contact GASMATE directly for your local service agent.

DANGER!

- ONLY USE IN WELL VENTILATED AREAS.
- During operation all surfaces will be extremely hot and should not be touched or handled.
- Do not use the appliance if it is leaking, damaged or does not operate properly.
- Do not use the appliance if it has worn seals.
- Do not modify this appliance.
- Handle with care even after brief use, always pick up using the handles, not the cylinder.
- It may be hazardous to attempt to fit other types of gas containers or cartridges.
- Always operate appliance a minimum of 500mm from flammable materials, walls and 600mm from the ceiling.
- Do not use with third party adaptors.
- Do not modify appliance to fit other connectors or cylinders.
- Children must be supervised by an adult at all times.
- Never leave appliance unattended when operating.
- Use as a hot water appliance only, not to be used as heater or modified for any other reason.



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.

IMPORTANT - USE OUTDOORS ONLY

- Keep children away at all times.
- CAUTION: Accessible parts may be very hot. Please take care when handling or moving the appliance.
- Avoid twisting or kinking the flexible hose supplied with this appliance.
- Appliance is to be used on a stable, non-flammable surface.
- Appliance should be protected from direct drafts and in a well-ventilated place.
- Take care that the primary air intakes, located on the burner tube of this appliance are not obstructed, or that air flow is restricted by placing items or other appliances close to or adjacent to the inlets.
- If you smell gas, immediately turn the gas off at the cylinder and move the appliance and cylinder 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 cylinder then move the appliance.

CHECKING FOR GAS LEAKS

- Check that all connections are tight and that the gas cylinder connection has been tightened before you turn the cylinder gas valve on.
- NEVER check for leaks with a flame or pilot light.
- Using soapy water, coat all connections, if bubbles appear turn the cylinder gas control off and retighten the connection before re-testing.
- Inspect the appliance regularly for signs of wear, leaks or incorrect operation.

If symptoms such as flaring of the burner, issues with lighting, damages to hoses or connections or leaks from seals or gas controls are identified do not attempt to repair, return to your authorised stockist for service and maintenance.

CHANGING GAS CYLINDER

To check if gas remains in the cylinder, disconnect from the appliance and hold the cylinder in a vertical position then shake from side to side, if there is a sound or feel of liquid movement inside, the cylinder contains gas.

When changing gas cylinders 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 45-50°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 30-35°C above the source water temperature and can be adjusted by the water flow and gas control.

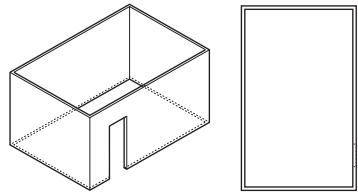
In the event that the temperature lift is insufficient, simply run water through the appliance once returning the heated water to the source water reservoir. Run again through the appliance until the desired temperature is reached.

SAFETY INSTRUCTIONS

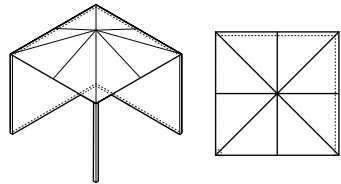
This appliance shall only be used in an above ground open air situation with natural ventilation without stagnant areas where gas leakage is rapidly dispersed by wind and natural convection.

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

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

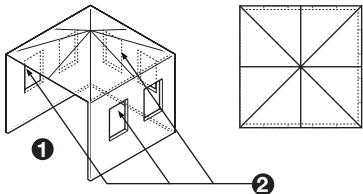
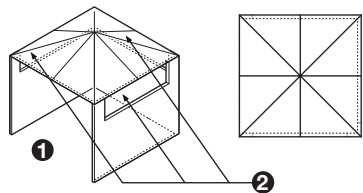
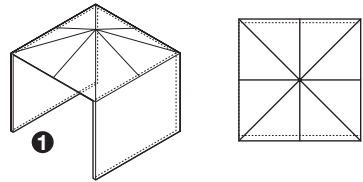


B. Within a partial enclosure that includes an overhead cover and no more than two walls.



C. Within a partial enclosure that includes an overhead cover and more than two walls, the following must 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 must remain open and unrestricted.



The figures shown are diagrammatic representations of outdoor areas. Rectangular areas have been used in these figures - the same principles apply to any other shaped areas.

GENERAL INFORMATION

The Gasmate Watertech is activated by water pressure.

- If there is not enough water pressure, the Watertech unit will not function.
- Restricted water flow (kinked hose or dirty filter) will affect the operation of the Watertech unit.
- This Watertech unit is not meant for permanent use. It is meant for temporary use while camping.

The Gasmate Watertech comes with a flame viewing panel.

- Look through the panel to see the flames.
- If there is no flame, then the burner has not ignited.
- A still blue flame with yellow tips is perfect.
- If the flame appears to move side to side or stretches, this indicates there is too much wind.
- If the flame is yellow, there is an issue with the gas mixture.

The Gasmate Watertech is fitted with an temperature sensor and will shut off once it reaches 50°C.

SPECIFICATIONS

Part Number	HWS0012
Model Number	JSZ5.5HD-B14
Description	Watertech Portable Hot Water System
Gas	ULPG
Injector	0.62mm
Pressure	2.75 kPa
Consumption	28 MJ/h
Certificate	AGA 8639

PERFORMANCE

Flow Rate	2.9 - 6L Per Min
Max Temp	50°C
Max Temp Rise	33°C
Temp Rise @ 2.9L/Min	35
Temp Rise @ 6L/Min	25
Total Consumption	28MJ/hr

POWER IN

Battery	2 x D Cell - Not included
Battery Run Time	~6 Months
9kg Bottle Run Time (full)	15 Hours
9kg Bottle Run Time (low)	45 Hours
Pump Draw (max)	5 A
Measurements	290 W x 140 D x 400 H (mm), Weight 5.2 kg

WATER IN

Min Water Pressure	70kpa
Pump Outlet Hose Length	1.5m
Max Pumping Rate	3.1L Per Min

SETTING UP

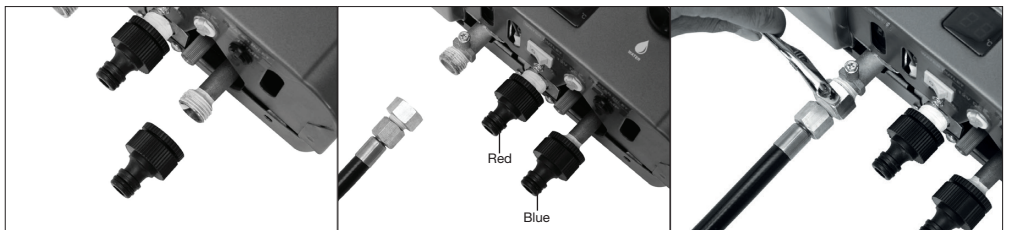
The Gasmate Watertech Portable Hot Water System should only be located in a vertical position. The unit should be partly sheltered from the elements or the potential to be sprayed by the showerhead whilst in operation.

This appliance is not designed to be used as a permanent shower or supply of hot water.

PARTS & ACCESSORIES



1. Remove from the box and check that all the accessories are included. Select a strong, secure and non-flammable position to locate the shower.



2. Wrap Thread Tape several times around the Gas Inlet, Water Inlet and Outlet connections at the base of the unit to ensure a tight adaptor fit. Check that the rubber washers are secure inside the water adaptors and then attach and tighten. Check that the rubber washer is secure inside the Gas adaptor and attach and tighten. The female Gas adaptor must be tightened with a spanner – DO NOT FINGER TIGHTEN.



3. Insert 2 x "D" Cell batteries (not included) in the battery compartment and secure the door.

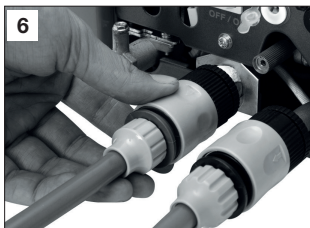


4. Check that the power switch is in the "OFF" position. Place the pump in a suitable water reservoir and attach the blue hose to the appliance and connect the power lead to the pump connection.

WARNING - Only operate with the pump supplied and never connect to mains pressure water supply.



5. Connect Showerhead to Red Water Outlet hose. Set Showerhead to 'Open' position.



6. Connect the red hose to the water outlet on the appliance.



7. Check that the switch on the unit is in "OFF" position and then connect the power cable for the 12VDC Power Supply. Connect the male cigarette fitting to a suitable DC power source.



8. Hang the Watertech Unit in its intended location. The unit should hang vertically and securely on a non-flammable surface. Ensure it is in a sheltered but well-ventilated area and that it won't be sprayed with water while in operation (follow full Safety Instructions on page 2 and 3). Mount the showerhead bracket using the mounting kit provided.

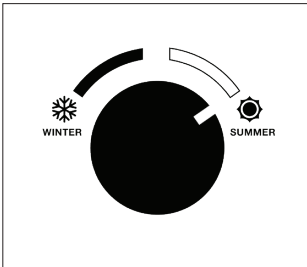


9. Connect the hose adaptor to the outlet on the gas cylinder. Turn the cylinder on in an anti-clockwise direction one (1) full turn. Check all LPG connections for leaks with a solution of soapy water (do not use a flame).

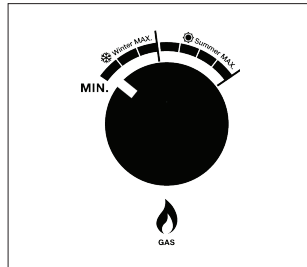
If a leak is detected turn the cylinder valve off, allow any residual gas to disperse, retighten all connections then retest.

OPERATION

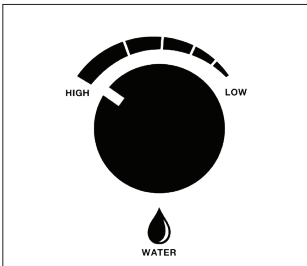
It is IMPORTANT that the following steps are followed to ensure that the appliance will start correctly.



1. Turn Season Control to SUMMER.
If the source water temperature is above 10°C, keep the season control knob at SUMMER. If the source water temperature is below 10°C, turn the season control to WINTER.



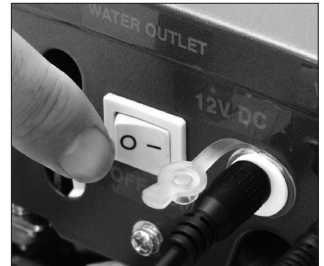
2. Turn GAS Control to MIN.



3. Set WATER to HIGH.



4. Check that the Showerhead flow control switch to 'Open'. You can now control your unit from the showerhead, push the button to the 'Stop' position to stop the water flow and the flame will extinguish.

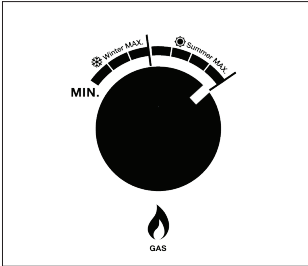


5. Turn POWER SWITCH ON.

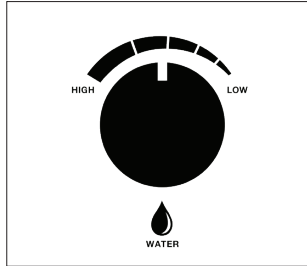
6. Water will start to flow from the showerhead and the burner will ignite – Allow the Water Temperature to stabilise before making any adjustments.

ADJUSTING WATER TEMPERATURE

SUMMER MODE



1. To increase the Water Temperature when in SUMMER mode, turn GAS Control to SUMMER MAX and allow the temperature to stabilise.

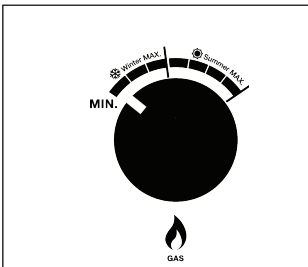


2. Adjusting the Water Flow will also help to achieve the desired Water Temperature (i.e. The higher the flow rate - the cooler the water will be. The lower the flow rate - the hotter the water will be).

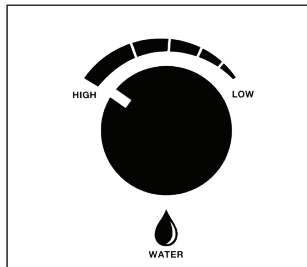
NOTE: The unit will switch off automatically if the water temperature exceeds 50°C.

If ideal temperature is not achieved with the SUMMER setting the following steps can be followed:

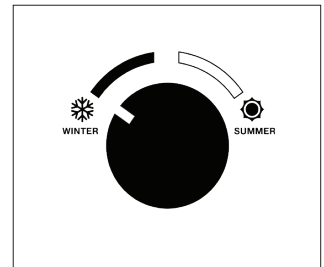
WINTER MODE



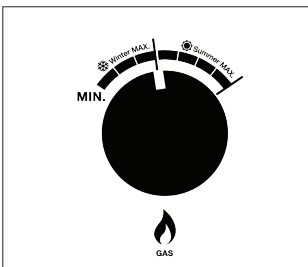
1. Turn the GAS Control to MIN.



2. Set the WATER FLOW to HIGH .



3. Turn the Control to WINTER.



4. To increase the Water Temperature, turn the GAS Control to WINTER MAX and allow the temperature to stabilise.

Note: Winter Max is shown on the dial and is different to summer Max.

The Watertech Portable Hot Water System 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 45-50°C. To reset the over temperature sensor, shut off the unit at the power supply, let the unit cool before restarting.
- **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 Sensor** – If the unit falls over or is not level the Tilt Sensor will be activated and the burner will not ignite. Once the appliance is level the operation can continue.

TROUBLESHOOTING

NO GAS

All QCC regulators (the part that attaches to the gas cylinder to regulate the flow of gas) have a safety feature included that restricts gas flow in the event of a gas leak. You can inadvertently activate this safety feature without having a gas leak. This typically occurs when you turn on the Gas Control knob before turning on the gas cylinder valve. If the gas regulator safety feature activates, the unit will operate with reduced output as gas flow is restricted.

These steps should be taken first to reset the gas regulator safety device:

1. Turn gas cylinder valve off.
2. Disconnect the regulator from the gas cylinder.
3. Wait 30 seconds.

Reconnect the regulator to the gas cylinder.

4. Leak test the connection using a soapy water solution. Ensure no bubbles appear before proceeding.
5. Slowly open the gas cylinder valve all the way.
Do not put excessive force on the valve at the full open position, to avoid damaging the valve.
6. Light the appliance.

PUMP NOT GOING

1. Check power leads connections.
2. Check 12v connections.
3. Check batteries.

FLAME NOT LIT

Check gas bottle is on.

UNIT SHUT DOWN SHORTLY AFTER STARTING

1. Strong winds might have extinguished the flame, ensure unit is sheltered. Check the water flow and pressure. The unit must have a minimum of 70KPa, at low water flow of sustained water pressure and at least 4 litres to activate the burners.
2. Outlet water might have reached 50 degrees, which will then activate the safety cut out device. Increase the water flow and lower the flame setting.

WATER IS NOT HOT ENOUGH

1. Make sure the unit is on WINTER mode, now adjust the water flow down and the gas to high.
2. Check the quality of the flame through the viewing window. If the flame is yellow rather than blue, the gas regulator might not be operating correctly, please switch the unit off and contact Gasmate Customer service on 0800 161 161 (NZ).

APPLIANCE WILL NOT IGNITE

1. Ensure new batteries are installed in the correct polarity (+/-). Check the batteries are not past their expiration date.
2. Check for sufficient water flow and pressure, The unit must have a minimum of 70KPa, at low water flow of sustained water pressure and at least 4 litres to activate the burners.
3. If you can hear the clicking sound of the ignitor, the batteries might be faulty or running low. This is likely if you can hear 1-2 slow clicks per second, rather than your 4-5 clicks at full power. If unsure, try a new set of batteries.

PUMP MAKES NOISE BUT DOES NOT PUMP WATER

1. Ensure that the inlet hose suction filter is clear, if clogged, disassemble and rinse individual parts.

FLOW PRESSURE HAS REDUCED

1. Ensure the hoses are free from kinks and debris that may be blocking the water flow.
2. Ensure that all water hose connections are tight and that there are no air leaks.
3. Ensure that the inlet filter is free from blockages.

MAINTENANCE & SERVICE

During operation if it is noted that the burner flame is unstable, is changing colour from blue to yellow or has a distinct smell it is important that you take the appliance to your local authorised gas appliance repairer for inspection.

Periodically check the gas control is tight and has no leaks, follow the testing for leaks procedure. Check the gas connection and regulator for any signs of wear or damage, if identified contact customer service for a replacement assembly immediately.

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 or aeration holes located in the burner tube. DO NOT submerge the appliance in a sink or bowl. DO NOT use abrasive cleaners or bleach.

Aber Living warrants the purchaser of this product against defects in workmanship and material, for a period of up to 12 months from the date of purchase. The warranty is non-transferable and becomes void if used for commercial or rental purposes.

Warranty and purchase receipt of this product are to be retained as proof of purchase and must be presented if making a claim under the terms of the Aber Living Warranty. Repairs under warranty are free of charge, provided the product is delivered to our Service Department or Authorised Service Agent and freight charges both ways are paid by the owner. No liability will be accepted for any loss of damage in transit.

Aber Living reserves the rights to replace or repair the product within the warranty period. Warranty does not apply to any defect, deterioration (including corrosion if located within 1km of the sea), loss, injury or damage occasioned by or as a result of the misuse or abuse, negligent handling or if the product has not been installed and used in accordance with the instructions. The warranty is void if there is evidence of the product being tampered with by unauthorised persons.

If the product includes various accessories or components, only the defective accessory or component will be replaced or repaired.

Aber Living reserves the right to replace defective parts of the product with parts and components of similar quality, grade and composition where an identical part or component is not available.

Products presented for repair may be replaced by refurbished products of the same type rather than being repaired. Refurbished parts may be used to repair the products.

In the event of Aber Living choosing to replace the product, the warranty will expire at the original date, i.e. 12 months from the original purchase date.

Where this product contains information from an overseas country, nothing in that information is intended to limit any condition, guarantee, right or remedy which may be available under the Consumer Guarantees Act 1993, except to the extent permitted by that Act.

Approved for Outdoor Use Only

For service, spare parts or product information in New Zealand, please call Aber Living on the Customer Service Line - 0800 161 161. www.aberliving.co.nz

YOUR PURCHASE RECORD (PLEASE COMPLETE)

Date of Purchase_____

Model Number_____

Serial Number (if applicable)_____

Purchased from_____

