

COMPANION[®]

TRUSTED SINCE 1941

AQUAHEAT LITHIUM

GAS SHOWER



OWNERS MANUAL

Part No. 10000052

IMPORTANT: Read these instructions for use carefully. Familiarise yourself with the appliance before connecting it to its gas container. Keep these instructions 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.

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 exceeds 50°C +/- 2°C (average).

The average run time for the appliance from a fully charged battery is 45 to 50 mins before it will require recharging.

The appliance can be operated whilst connected to AC or DC. The battery will accept charge if it is less than 12V whilst operating.

GENERAL WARNINGS

This appliance shall only be used with the regulator supplied with the appliance. This appliance shall only be used with a ULPG refillable cylinder certified to Standard AS 2469 that has a 3/8" LH BSP inlet fitting, or a non-refillable 468g disposable Propane cartridge certified to DOT-39, UN1075.

IT MAY BE HAZARDOUS TO ATTEMPT TO FIT OTHER TYPES OF GAS CONTAINERS.

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, return to your place of purchase for service and repair or contact Customer Service 1300 555 197.

Ensure any transit protection is removed before the appliance is used.

When using Refillable Gas Cylinder:

If there is a leak on your appliance (smell of gas), immediately attempt to turn off the cylinder valve. Remove the appliance to a well ventilated location away from any ignition source. Check for leaks using soapy water. Do not try to detect leaks using a flame.

When using Disposable Cartridge:

If there is a leak from your appliance (smell of gas) and you cannot stop the gas flow, remove the appliance to a well-ventilated location away from any ignition source. Check for leaks using soapy water. Do not try to detect leaks using a flame.

ONLY USE IN WELL-VENTILATED AREAS**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.

WARNING! USE OUTDOORS ONLY

CAUTION: Accessible parts may be very hot. Keep young children away.

SAFETY INFORMATION

This appliance is designed for outdoor use only.

Do not use the appliance if it is leaking, damaged or does not operate properly.

Handle with care even after brief use, always pick up using the handle.

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 MODIFY THIS APPLIANCE.

Do not use adaptors. Do not modify appliance to fit other connectors 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.

The appliance must be used outdoors only and is to be operated no closer than 800 mm from the sides and 800 mm from above all combustibile surfaces, fabrics and flammable materials. Must only 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.

If you smell gas immediately turn the gas off at the cartridge 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 or gas hose then move the appliance.

Maximum Hose Length: 1500mm

CHECKING FOR GAS LEAKS

Check that all connections are tight and that the gas connection has been leak tested 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 retighten the cartridge before re-testing.

This appliance must only be serviced by an authorised person.

Inspect the appliance regularly for signs of wear, leaks or incorrect operation. If symptoms such as flaring of the burners, issues with lighting, damages connections or leaks from seals or gas controls are identified do not attempt to repair, contact Customer Service on 1300 555 197.

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 cartridge 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.

Check the seals are in place & gas hose is tight before checking for leaks (if using gas hose to cylinder).

Check that the seals between the appliance and the gas cartridge are in place and in good condition before connecting the gas container.

Do not use the appliance if it has damaged or worn seals.

Do not use this appliance if it is leaking, damaged or does not operate properly.

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 50°C +/- 2°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 25°C to 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.

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

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 50°C +/- 2°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 on shower head 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

Replacement fuse

5A 250V (5 mm x 20 mm)

SAFE LOCATIONS

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:

An enclosure with walls on all sides, but with no overhead cover (see example 1).

Within a partial enclosure that includes an overhead cover and no more than two walls (see examples 2 & 3)

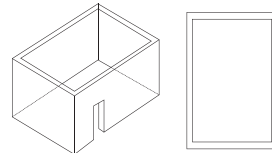
Within a partial enclosure that includes an overhead cover and more than two walls, the following shall apply:

at least 25% of the total wall area is completely open.
30% or more in total of the remaining wall side, back and front wall areas is open and unrestricted (see examples 4 & 5).

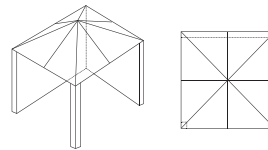
In the case of balconies, 20% or more of the total wall area shall remain open and unrestricted.

DIAGRAMMATIC REPRESENTATION OF OUTDOOR AREAS

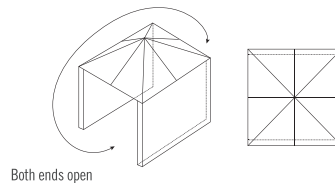
The following examples are diagrammatic representations of outdoor areas. Rectangular areas have been used in these examples - the same principles apply to any other shaped area.



Example 1

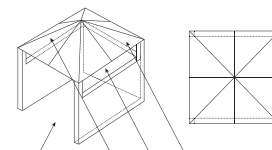


Example 2



Both ends open

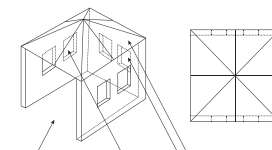
Example 3



Example 4

Open side at least 25% of total wall area.

30% or more in total of the remaining wall area is open and unrestricted.



Example 5

Open side at least 25% of total wall area.

30% or more in total of the remaining wall area is open and unrestricted.

UNDERSTANDING YOUR APPLIANCE

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



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 2a. Screw the gas cartridge (clockwise direction) onto the gas regulator and tighten securely. Check for leaks with soapy water.



Step 2b. Screw the gas hose (clockwise direction) onto the gas regulator securely. Check for leaks with soapy water.



Step 3. Connect the pump power lead to pump connection socket (black) on the front of the appliance.



Step 4. Attach the pump hose to the water inlet on the front of the appliance – push on firmly.



Step 5. Submerge the pump in a suitable reservoir of clean water. Do not use water direct from rivers, lakes or the ocean. Do not use salt water with this appliance.



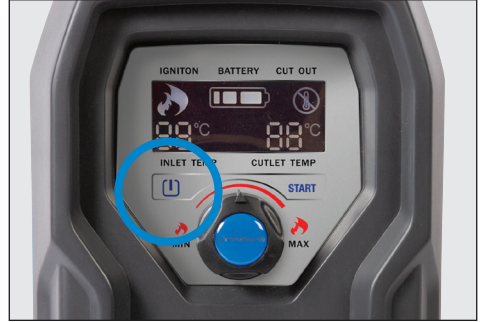
Step 6. Connect the shower hose to the water outlet on the front of the appliance – push on firmly.

Step 8. Slide shower head flow switch to ON position.

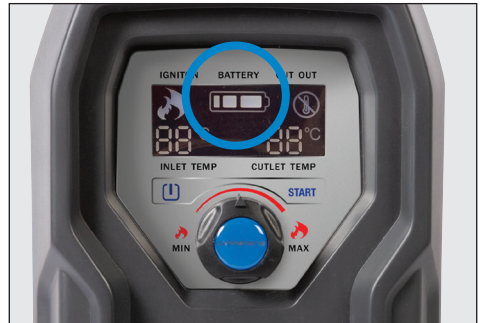


OPERATING THE SHOWER

Step 1. Press the power button and the unit will switch on.



Step 2. Check the battery charge level to see if sufficient power is available, if not connect to the AC or DC adaptor. Refer to page 11 for Appliance Power and Charging.



Step 3. Position the gas temperature control in the central position between MIN and MAX. Then press the START button and water will start to flow within a few moments.



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 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 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.



When using Refillable Gas Cylinder:

After use, turn the gas cylinder valve off, wait for the flame to go out, then turn the appliance off.

Step 7. To turn the appliance off, press the power button.

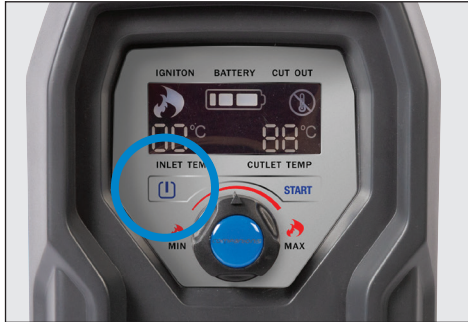
IMPORTANT

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.

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.

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 and remove gas cartridge or gas hose from the appliance.



Step 5. Tip the appliance towards the front and to one side to drain excess water from the heat exchanger via the water in.



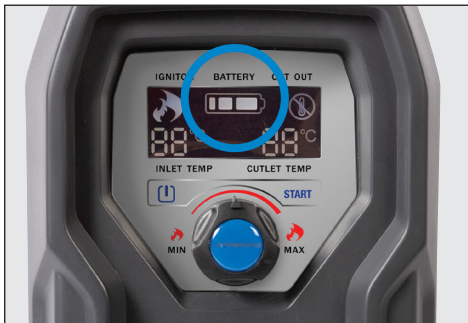
APPLIANCE POWER AND CHARGING

The charging system is designed so it will allow the battery to be recharged whilst the unit is in operation. The recharge times will increase by 50% if the unit is operating whilst it is being charged..

Step 1. The appliance is fitted with a 12V battery pack and can be recharged from the DC charge lead included (or the AC adaptor sold seperately)



Step 2. To recharge the appliance from either an AC or DC power source, **the unit must be switched on** and the battery charge level must be illuminated.



Step 3. Connect to the DC input socket (red) at the rear of the appliance and the battery charge level will start to flash and move from red to green confirming that the battery is now charging.

Note: When the battery is fully charged, the red, yellow and green battery levels will stop flashing and remain illuminated.



Step 4. AC: Connect the three (3) pin plug to a suitable outlet then connect to the appliance and switch on the AC outlet. (Adaptor sold seperately)



Step 5. DC: Connect the adaptor to the appliance and then connect to a suitable outlet via the cigarette lighter fitting.



Important:

Do not use AC to DC converters or modify the adaptors supplied with the appliance.

If the appliance is not being used or is stored it must be recharged every three months to guarantee the battery life expectancy, failure to do so may result in battery failure.

Charge time to recharge the battery from either power source can be reached in:

25% - 1 hour

50% - 2 hours

100% - 4 to 5 hours

To maintain battery life and condition it is recommended that the unit is allowed to be charged to 100%

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.

SPECIFICATIONS

| | |
|-----------------------------|--|
| Part no. | 10000052 |
| Model no. | Aquaheat Shower |
| Ignition | Automatic |
| Inlet voltage | 12V DC - 5A |
| Gas type | Propane 468g BOM cartridge (not included) |
| Gas consumption | 19 Mj/h |
| Injector size | 0.61mm |
| Temperature lift | 30°C above source water (max) |
| Max. temperature | 50°C |
| Flow rate | 2-2.5lt per minute |
| DC power cord length | 5 m |
| Shower hose length | 2.5 m |
| Pump hose length | 2 m |
| Dimensions | 442L x 163W x 380H mm |
| Weight | 7.5kg (including accessories) |
| Certification | SAI-400135 |



TROUBLESHOOTING

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.

ABNORMAL OPERATION

| | |
|--|--|
| Water will not flow from the shower head | Check that appliance is switched on |
| | Check sufficient water is available |
| | Check that the pump is connected to the appliance |
| | Check that pump fuse is not blown |
| | Check that adequate DC power is available |
| | Check DC fuse in cigarette lighter fitting |
| Unit will not switch on - display will not illuminate | Check that the shower flow switch is in the ON position |
| | Check DC fuse in cigarette lighter fitting |
| | Check that adequate AC/DC power is available |
| Burner will not light | Check if battery requires recharging |
| | Check that gas cylinder is turned on and that there is gas in cylinder |
| | Check that water is flowing from the shower head |
| Water is not hot enough | Check that the water is not over temperature |
| | Check gas temperature control is set on MAX |
| | Check source water temperature |
| Water is too hot | Recycle the water through the system back into the source reservoir then through the appliance again |
| | Check gas temperature control is set on MIN |
| | Check inlet water temperature |
| | Check water flow from shower head is set to outer ring |
| | Check if water restrictor plug fitted inside shower head handle |
| | Remove hose connection and pull out plug |
| | Retain plug and refit if conditions change |

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 refer to the Troubleshooting Guide:

E1: Flame not extinguishing – turn unit off and remove cartridge

E3: No flame / burner not lit

E4: Water outlet – contact customer service

E6: Over temperature shut off

E7: Outlet water temperature exceeds 50°C +/- 2°C

E8: Tilt switch activated – place on level surface and re-start appliance

Appliance cutting out due to water temperature too hot:

If **E6 Over temperature shut off** or **E7 Outlet water temperature exceeds 50°C +/- 2°C** appear on the digital control panel and the gas control is set to MIN:

1. Check if there is a water restrictor plug fitted inside shower head handle. The water restrictor plug has been added to allow the water flow to slow and provide an increase in the outlet water temperature. This feature may not be required in hotter conditions.



2. The plug can easily be removed by unscrewing the hose from the shower head and pulling out the restrictor plug. Reconnect the hose to the shower head and check the outlet temperature.



Note: Retain the plug and refit in cooler conditions.

STORAGE AND MAINTENANCE

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. Please contact 1300 555 197 or CBService@adventureoperations.com for further information.

WARRANTY POLICY

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2. In addition, we warrant that this product will be free from defects in materials and workmanship under normal use as described in the published product documentation for 36 months & the integrated powerpack for 12 months from the date of original purchase (Limited Warranty). This Limited Warranty is only valid and enforceable in Australia and will apply only if you have purchased the product from us or our authorised resellers.
3. To the extent permitted by the Australian Consumer Law and any applicable local law:
 - (a) our obligations under this Limited Warranty are limited to the repair, replacement or refund of covered parts that prove defective under normal use during the Limited Warranty and does not extend to any claim for damages that you or any other person may have for any loss (including without limitation consequential damages or loss of profit, freight/shipping or travel costs), or damage howsoever caused whether or not such loss or damage arises as a result of any defect in the product or from the failure or omission on our part to comply with any obligation at law;
 - (b) in replacing a defective product under the Limited Warranty, we may, at its discretion, substitute a model of equivalent nature where the exact model is unavailable;
 - (c) this Limited Warranty does not apply to damage caused by failure and damage caused by improper use and abuse, fair wear and tear, accidents, misuse (including failure to follow instructions regarding care and maintenance of the product), neglect, disassembly, alterations or external causes such as, but not limited to, water damage, exposure to sharp objects, exposure to excessive force, anomalies in the electrical current supplied to the product (if applicable), and extreme thermal or environmental conditions;
 - (d) we may elect, at our discretion and as an alternative to repairing or replacing a defective part to refund the cost of the relevant product upon it being returned to us; and
 - (e) this Limited Warranty does not extend to any products acquired for the purposes of re-supply, or for use in a manufacturing, or repair processes.
4. This warranty may be claimed by:
returning the product to its place of purchase, with a detailed proof-of-purchase clearly showing the date and detail of the purchase;
5. If you have any questions concerning this warranty policy, you may contact us in writing:
Adventure Operations, 71 Charles Ulm Place, Eagle Farm, 4009 QLD, or by email: service@adventureoperations.com or visit our website: www.adventureoperations.com

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