



Colours and appearances may vary

Portable Gas Water Heater

User Manual

[Revision 5.0 July 2019]

[Click here for a video on how to set-up and use the appliance](#)

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.

Products covered in this manual may vary in appearance, assembly, inclusions, specifications, description and packaging.

ONLY USE IN WELL-VENTILATED AREAS. CARBON MONOXIDE IS A 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.

Safety

Safety messages are designed to alert you to possible dangers or hazards that could cause death, injury or equipment or property damage if not understood or followed. Safety messages have the following symbols:



You **WILL** be KILLED or SERIOUSLY INJURED if you do not follow instructions.



You **CAN** be KILLED or SERIOUSLY INJURED if you do not follow instructions.



You **CAN** be INJURED if you do not follow instructions or equipment damage may occur.

It is vital that you read and understand this user manual before using the product, including safety warnings, and any assembly and operating instructions. Keep the manual for future reference.

Safety precautions and recommendations detailed here must be fully understood and followed to reduce the risk of injury, fire, explosion, electrical hazard, and/or property damage.

Safety information presented here is generic in nature – some advice may not be applicable to every product. The term "equipment" refers to the product, be it electrical mains powered, battery powered or combustion engine powered.

- **Before Use** - If you are not familiar with the safe operation/handling of the equipment or are in any way unsure of any aspect of suitability or correct use for your application, you should complete training conducted by a person or organization qualified in safe use and operation of this equipment, including fuel/electrical handling and safety.
- Do NOT operate the equipment in flammable or explosive environments, such as in the presence of flammable liquids, gases or dust. The equipment may create sparks or heat that may ignite flammable substances.
- Keep clear of moving parts.
- Equipment may be a potential source of electric shock or injury if misused.
- Do NOT operate the equipment if it is damaged, malfunctioning or is in an excessively worn state.
- Do NOT allow others to use the equipment unless they have read this manual and are adequately trained.
- Keep packaging away from children - risk of suffocation! Operators must use the equipment correctly. When using the equipment, consider conditions and pay due care to persons and property.

General Work Area Safety

- Work areas should be clean and well lit.
- Do not operate the equipment if bystanders, animals etc are within operating range of the equipment or the general work area.
- If devices are provided for connecting dust extraction / collection facilities, ensure these are connected and used properly. Dust collection can reduce dust-related hazards.

General Personal Safety

- Wear appropriate protective equipment when operating, servicing, or when in the operating area of the equipment to help protect from eye and ear injury, poisoning, burns, cutting and crush injuries. Protective equipment such as safety goggles, respirators, non-slip safety footwear, hard hat, hearing protection etc should be used for appropriate equipment / conditions. Other people nearby should also wear appropriate personal protective equipment. Do not wear loose clothing or jewellery, which can be caught in moving parts. Keep hair and clothing away from the equipment.
- Stay alert and use common sense when operating the equipment. Do not over-reach. Always maintain secure footing and balance.
- Do not use the equipment if tired or under the influence of drugs, alcohol or medication.
- This equipment is not intended for use by persons with reduced physical, sensory or mental capabilities.

General Carbon-Monoxide Safety

- ONLY USE IN WELL-VENTILATED AREAS.
- CARBON MONOXIDE IS A 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.

General Equipment Use and Care

- The equipment is designed for domestic use only.
- Handle the equipment safely and carefully.
- Before use, inspect the equipment for misalignment or binding of moving parts, loose components, damage or any other condition that may affect its operation. If damaged, have the equipment repaired by an authorised service centre or technician before use.
- Prevent unintentional starting of the equipment - ensure equipment and power switches are in the OFF position before connecting or moving equipment. Do not carry equipment with hands or fingers touching any controls. Remove any tools or other items that are not a part of the equipment from it before starting or switching on.
- Do not force the equipment. Use the correct equipment for your application. Equipment will perform better and be safer when used within its design and usage parameters.
- Use the equipment and accessories etc. in accordance with these instructions, considering working conditions and the work to be performed. Using the equipment for operations different from those intended could result in hazardous situations.
- Always keep equipment components (engines, hoses, handles, controls, frames, housings, guards etc) and accessories (cutting tools, nozzles, bits etc) properly maintained. Keep the equipment clean and, where applicable, properly lubricated.
- Store the equipment out of reach of children or untrained persons. To avoid burns or fire hazards, let the equipment cool completely before transporting or storing. Never place or store the equipment near flammable materials, combustible gases or liquids etc.
- The equipment is not weather-proof, and should not be stored in direct sunlight, at high ambient temperatures or locations that are damp or humid.
- Do not clean equipment with solvents, flammable liquids or harsh abrasives.
- For specific equipment safety use and care, see Equipment Safety.

General Electrical Safety

- Inspect electrical equipment, extension cords, power bars, and electrical fittings for damage or wear before each use. Repair or replace damaged equipment immediately.
- Ensure all power sources conform to equipment voltage requirements and are disconnected before connecting or disconnecting equipment.
- When wiring electrically powered equipment, follow all electrical and safety codes.
- Wherever possible, use a residual current device (RCD).
- High voltage / high current power lines may be present. Use extreme caution to avoid contact or interference with power lines. Electrical shock can be fatal.

General Electrical Safety

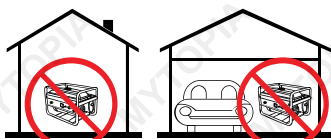
- Electrically grounded equipment must have an approved cord and plug and be connected to a grounded electrical outlet.
- Do NOT bypass the ON/OFF switch and operate equipment by connecting and disconnecting the electrical cord.
- Do NOT use equipment that has exposed wiring, damaged switches, covers or guards.
- Do NOT use electrical equipment in wet conditions or in damp locations.
- Do NOT use electrical cords to lift, move or carry equipment.
- Do NOT coil or knot electrical cords, and ensure electrical cords are not trip hazards.

General Service Information

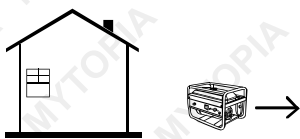
- The equipment must be serviced or repaired at authorised service centres by qualified personnel only.
- Replacement parts must be original equipment manufacturer (OEM) to ensure equipment safety is maintained.
- Do NOT attempt any maintenance or repair work not described in this manual.
- After use, the equipment and components may still be hot – allow the equipment to cool and disconnect spark plugs and/or electrical power sources and/or batteries from it before adjusting, changing accessories or performing repair or maintenance.
- Do NOT adjust while the equipment is running.
- Perform service related activities in suitable conditions, such as a workshop.
- Replace worn, damaged or missing warning/safety labels immediately.

DANGER

Using an engine or wood/charcoal/gas fuelled appliance indoors CAN KILL YOU IN MINUTES.
Engine exhaust and wood/charcoal/gas fumes contain carbon monoxide. This is a poison you cannot see or smell.



NEVER use inside a building, home, garage, boat, caravan or tent EVEN IF doors and windows are open.



Only use OUTSIDE and far away from windows, doors, and vents.

Avoid other hazards - READ MANUAL BEFORE USE.

GENERAL:

- Do not operate in a hazardous location. Such areas include where there is a risk of explosion of petrol fumes, leaking gas or explosive dusts.
- Do not operate in a confined area where exhaust gases or wood/charcoal/gas fumes could reach dangerous concentrations.

PRODUCTS FEATURING AN ENGINE

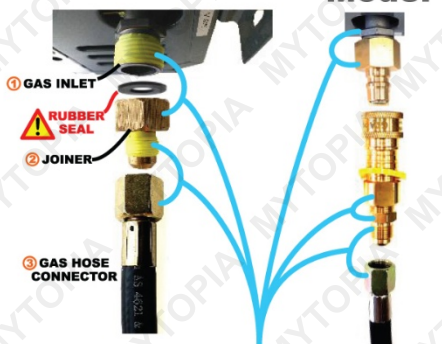
- Follow all warnings in the section titled "GENERAL".
- Explosion hazard - never smoke while refuelling.
- Take care not to spill fuel. When refuelling the engine, ensure that the engine has been allowed to cool. Prevent spilling of fuel as this may also ignite with a hot engine.
- Never refuel while engine is running.

GENERATORS

- Follow all warnings in the sections titled "GENERAL" and "PRODUCTS FEATURING AN ENGINE".
- The output of this generator is potentially lethal. The generator should not be connected to a fixed electrical installation except by an appropriately licensed person.
- Not weatherproof – protect your machine. This machine is not weatherproof and should not be exposed to direct sunlight, high ambient temperature, damp conditions, wet conditions or high humidity conditions.

Screw-On Model

Quick Connect Model



USE 2 SPANNERS (ONE ON EACH NUT) TO CHECK THAT EVERY THREADED CONNECTION IS TIGHT/SEALED

DANGER - FIRE HAZARD

Incorrect assembly, failure to tighten connectors correctly or failure to check for gas leaks can cause a fire.

- 1) Make absolutely sure the **RUBBER SEAL** is in the JOINER (2) [Screw-On Model Only]. Never attempt to use without the rubber seal!
- 2) Use 2 spanners/wrenches to ensure **every threaded connection** is tight.
- 3) Hang the unit and set up all remaining items.
- 4) BEFORE USE:
 - Turn on the gas supply but DON'T turn on the water heater or allow it to ignite.
 - Apply a water/detergent mixture over all connections shown to the left.
 - Observe for bubbles. Bubbles emanating from gas connections indicate escaping gas.
 - If gas is escaping re-check all connections.
 - Do not use the heater until the connections pictured to the left are fully sealed.

BEFORE CONNECTING THE GAS SUPPLY READ ALL INFORMATION CONTAINED IN THE MANUAL AND ON LABELLING.

General Safety Warnings for Water Heaters

It is important you read and understand the instruction manual before first use and keep the manual in a safe place for future reference.

Safety precautions must be observed to reduce the risk of personal injury when operating this appliance. If the information in this manual is not followed, a fire or explosion may result and may cause death, serious injury or property damage.

ONLY USE IN WELL-VENTILATED AREAS. CARBON MONOXIDE IS A 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.

Propane Gas is extremely flammable. Keep clear of naked flames. Do not smoke near the gas container or the water heater.

- Do not use the product if it is leaking, damaged or it does not operate properly.
- This appliance shall only be used with the Australian approved 1200mm propane gas hose & regulator assembly supplied with the appliance and must be connected only to a propane gas cylinder certified to AS2469 standards fitted with POL connections only.
- It may be hazardous to attempt to fit other types of gas containers.
- This appliance is to be stored in a dry & 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.
- This appliance must only be serviced or repaired by an authorised service agent.
- 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.
- This appliance is designed for outdoor use only.
- Use only in well ventilated areas.
- Accessible parts may be very hot, keep young children away.
- Do not use adaptors or modify the appliance to fit other connectors or cylinders.
- Never leave children unsupervised near this product.
- Never leave appliance unattended when operating.
- Do not use as a cooking appliance or modify for any other reason.
- The appliance must only be used outdoors and is to be operated no closer than 500mm from the sides and 1000mm from above to all combustible surfaces, fabrics, flammable materials & people.
- During operation ensure that both air inlets and the top exhaust are kept free from obstructions and closure.
- This appliance is designed to be hung upright against a non-combustible vertical surface. Do not operate from a non-upright position. Doing so can be dangerous and will damage the appliance.
- Do not expose yourself or others to danger.
- Do not permit others to use this product unless they have read this manual and are trained in its operation.
- Do not operate if the water heater is damaged or in an excessively worn state.
- Do not use the unit if it is damaged or poorly adjusted. Never remove the water heater's coverings. Serious injury to the operator or bystanders could result as well as damage to the water heater.
- Do not use this unit for any purpose other than those for which it is intended as described in this manual.
- Do not operate the water heater in the rain.
- Always ensure all handles and guards are refitted when using the water heater.
- Always keep the water heater away from naked flame or sparks.
- Always disconnect the gas and water supply when moving between areas and when transporting or storing the water heater.
- This appliance shall only be used with the Australian approved 1200mm propane gas hose & regulator assembly supplied with the appliance and must be connected only to a propane gas cylinder certified to AS2469 standards fitted with POL connections only.
- Keep all flammable material and liquids away from the appliance.

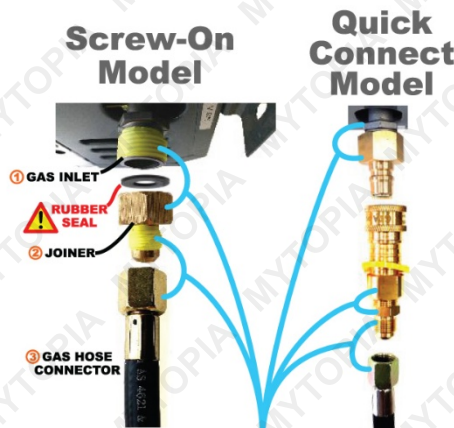
Gas Safety

- Never run the product indoors or in poorly ventilated locations.
- To reduce the risk of serious or fatal injury from breathing toxic fumes, ensure proper ventilation when working in confined locations.
- This product produces toxic exhaust fumes as soon as the water heater is running. These fumes may be colourless and odourless and contain unburned hydrocarbons and benzol.
- If you smell gas immediately turn the gas off at the cylinder and move the appliance & cylinder to a well-ventilated area outside, keeping well away from sources of heat such as naked flames & pilot lights.
- Do not attempt to move or relocate the appliance while it is still operating. Extinguish the burner and cool it down. Disengage the gas cylinder then move the heater in desired position.
- NEVER check for leaks near open fire, heat or pilot light. Using soapy water, coat all connections, if bubbles appear, turn the cylinder gas control off and re-tighten the connection before re-testing.
- If symptoms such as overheating of the burners, issues with lighting, damages to hoses or connections or leaks from seals or gas controls are identified do not attempt to repair, contact customer service.
- When changing gas cylinders make sure you do so outside in a well-ventilated location which is away from people, animals and ignition sources such as open fire, pilot lights and electrical equipment such as heaters and cookers.
- Do not attempt to fit other types of gas containers or cartridges.

Portable Gas Water Heater

- Check all the connections and make sure all the connectors are tight, double check the gas cylinder connection if it is well tightened before you turn the cylinder gas valve on.
- Check that seals between the appliance and the gas container are in place and in good condition before connecting the gas container.
- When using this product, children must be supervised by an adult at all times.
- Never leave the heater unattended while operating.
- Avoid twisting & kinking the Propane gas hose.
- Do not attempt to move or relocate the appliance when it is operating. Extinguish the burner & allow it to cool. Disengage the gas cylinder then move the appliance.
- Prior to disconnecting the gas cylinder check that the appliance is fully extinguished, the gas cylinder control valve is in the fully 'off' position and all surfaces are cool. Loosen the connection to the gas cylinder in a clockwise direction.
- Check that all connections are tight and that the gas cylinder connection has been tightened before you turn the cylinder gas valve on.
- 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 & ignition sources such as naked flames, pilot lights & electrical equipment such as heaters or elements.
- Inspect the appliance regularly for signs of wear, leaks or incorrect operation. If symptoms such as flaring of the burners, issues with lighting, damages to hoses or connections or leaks from seals or gas controls are identified do not attempt to repair, contact customer service.
- Always shut off the water heater before attaching or changing gas bottles.
- To reduce the risk of serious or fatal burn injuries, check for gas leakage. If gas leakages found, do not start or run the water heater until leak is fixed.






Screw-On Model


Quick Connect Model

① GAS INLET
② RUBBER SEAL
③ JOINER
④ GAS HOSE CONNECTOR

USE 2 SPANNERS (ONE ON EACH NUT) TO CHECK THAT EVERY THREADED CONNECTION IS TIGHT/SEALED



DANGER - FIRE HAZARD



Incorrect assembly, failure to tighten connectors correctly or failure to check for gas leaks can cause a fire.

- 1) Make absolutely sure the **RUBBER SEAL** is in the JOINER (2) [Screw-On Model Only]. Never attempt to use without the rubber seal!
- 2) Use 2 spanners/wrenches to ensure **every threaded connection** is tight.
- 3) Hang the unit and set up all remaining items.
- 4) BEFORE USE:
 - Turn on the gas supply but DON'T turn on the water heater or allow it to ignite.
 - Apply a water/detergent mixture over all connections shown to the left.
 - Observe for bubbles. Bubbles emanating from gas connections indicate escaping gas.
 - If gas is escaping re-check all connections.
 - Do not use the heater until the connections pictured to the left are fully sealed.

BEFORE CONNECTING THE GAS SUPPLY READ ALL INFORMATION CONTAINED IN THE MANUAL AND ON LABELLING.

Safety (continued)

This appliance must 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. The following figures are diagrammatical representations of outdoor areas suitable for use with this appliance. Rectangular areas have been used in these figures – the same principles apply to any other shaped areas.

- **CAUTION!** Accessible parts may be very hot. Keep young children away.
- **WARNING! USE OUTDOORS ONLY**
- **IMPORTANT!** 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.

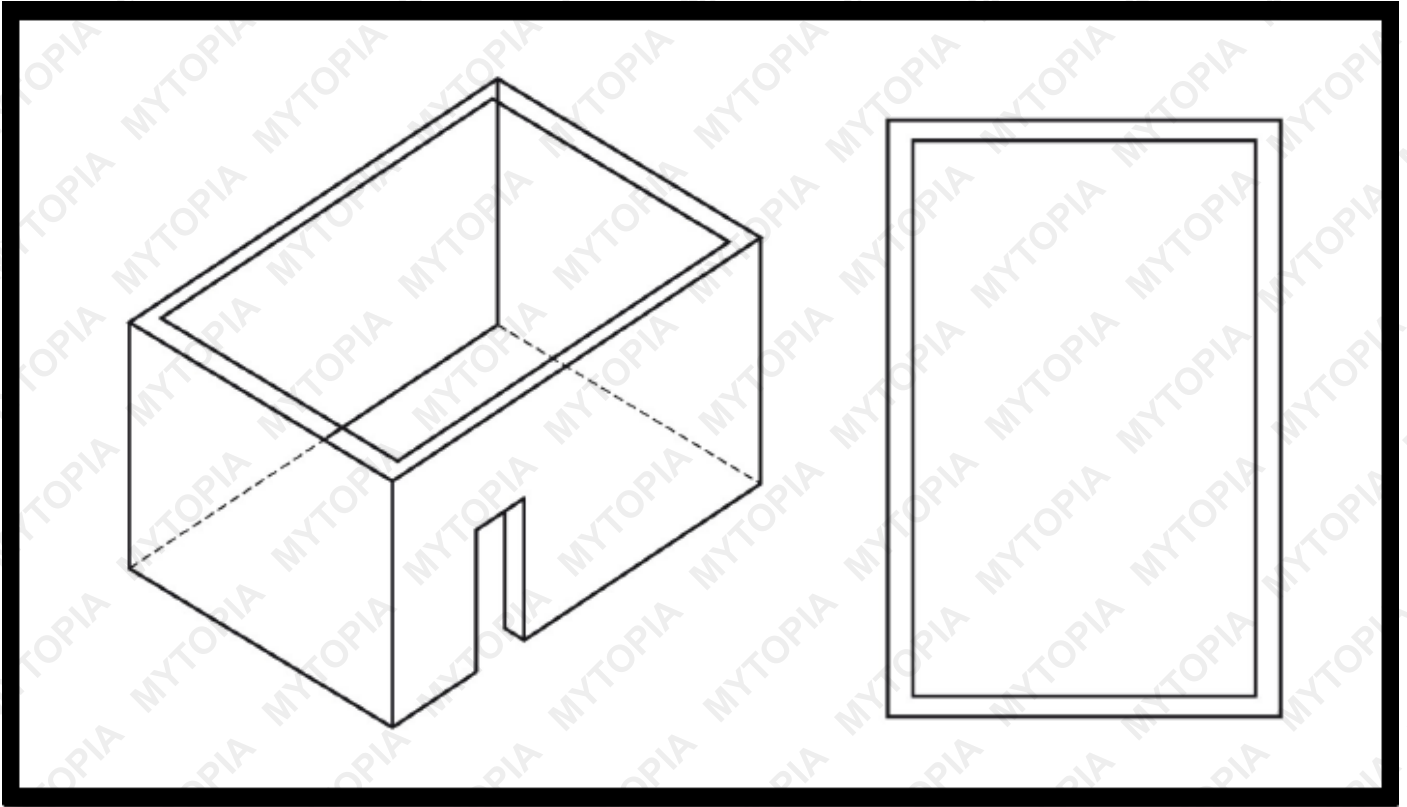


FIGURE 1 – Outdoor Area

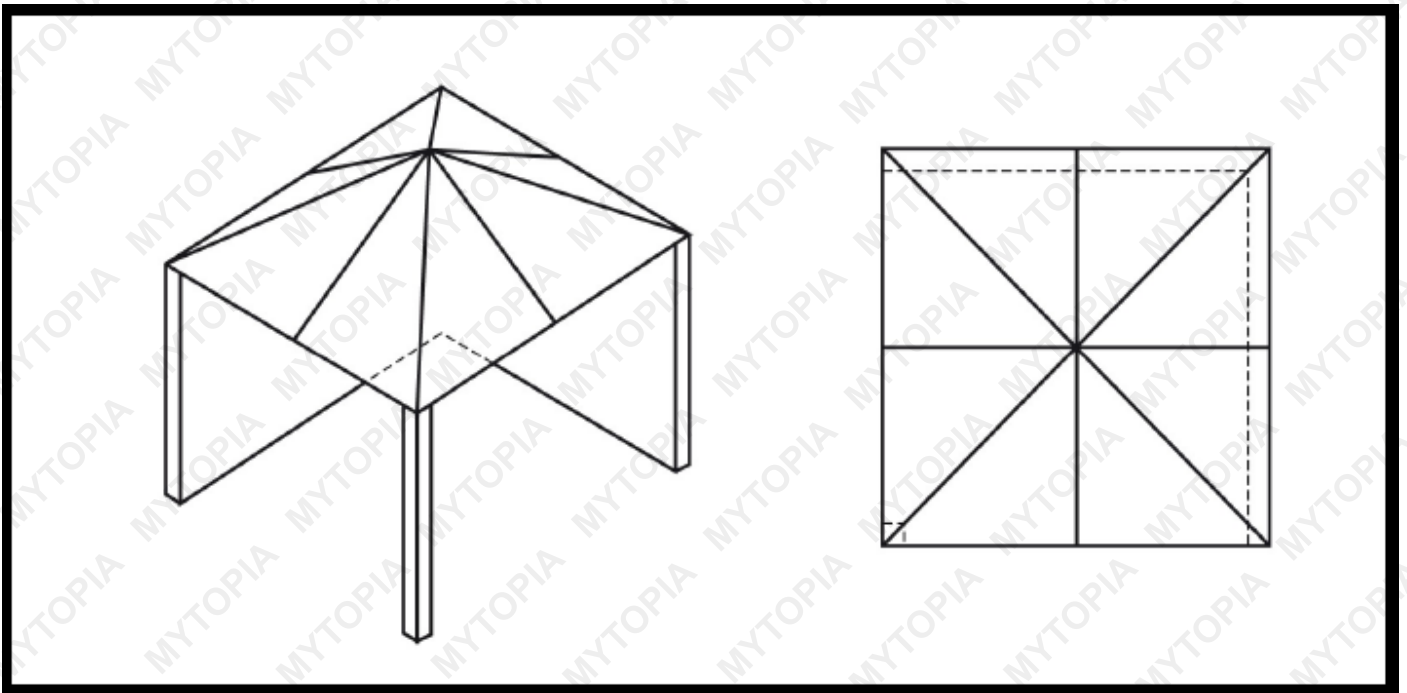


FIGURE 2 – Outdoor Area

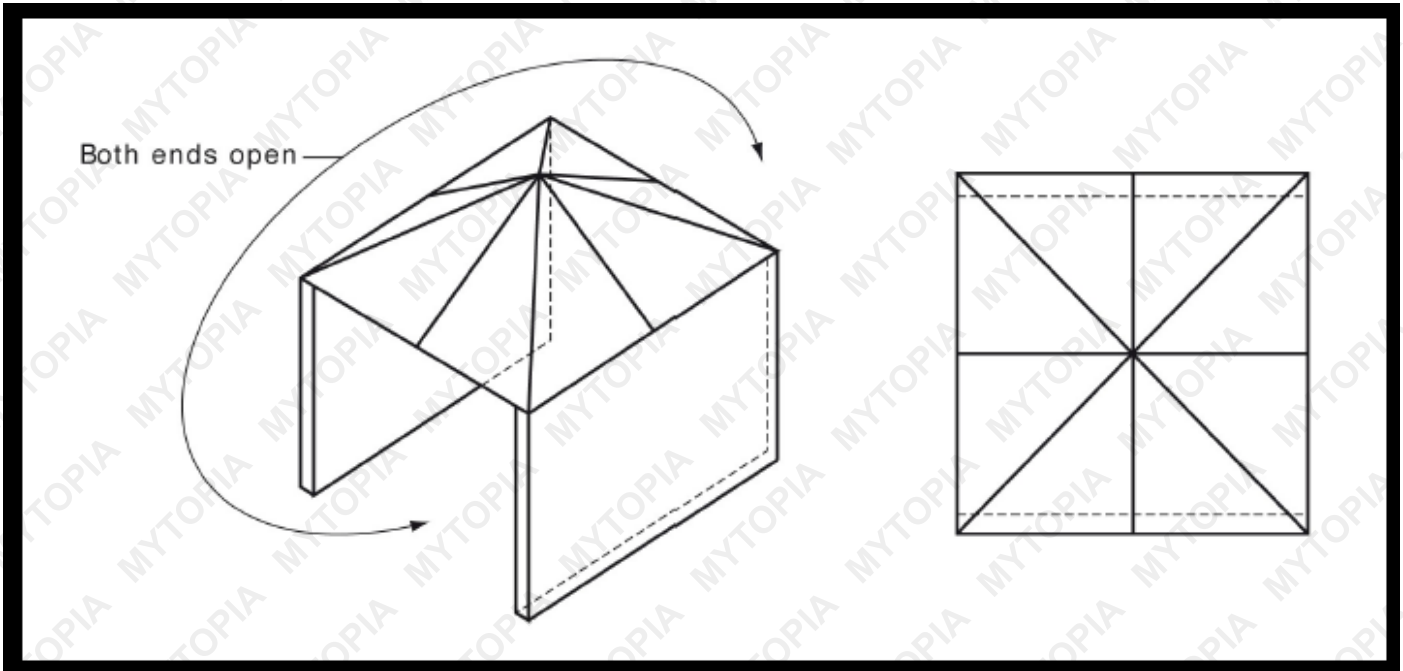


FIGURE 3 – Outdoor Area. With both ends open.

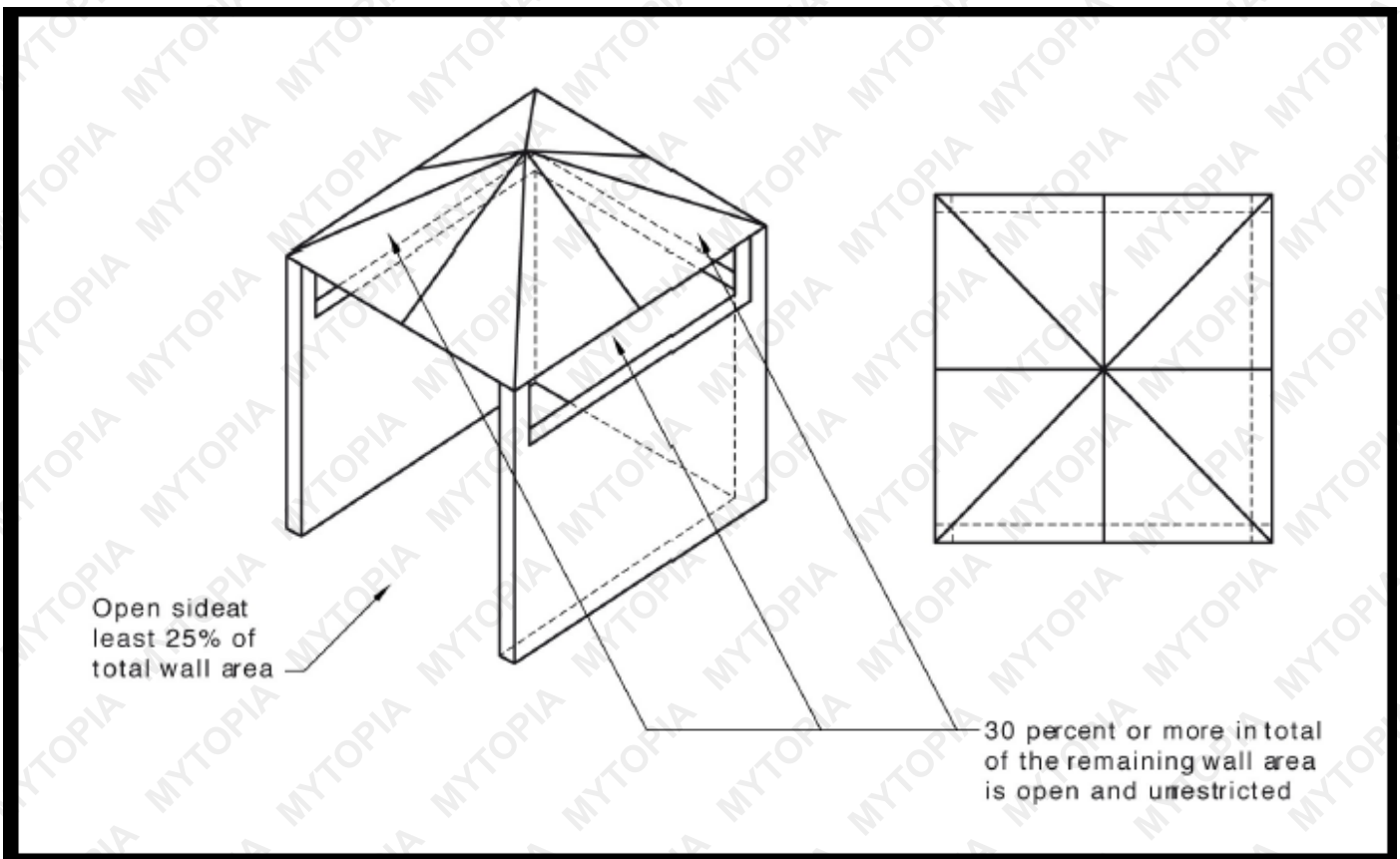


FIGURE 4 – Outdoor Area. With the open side at least 25% of total wall area and 30% or more in total of the remaining wall area is open and unrestricted.

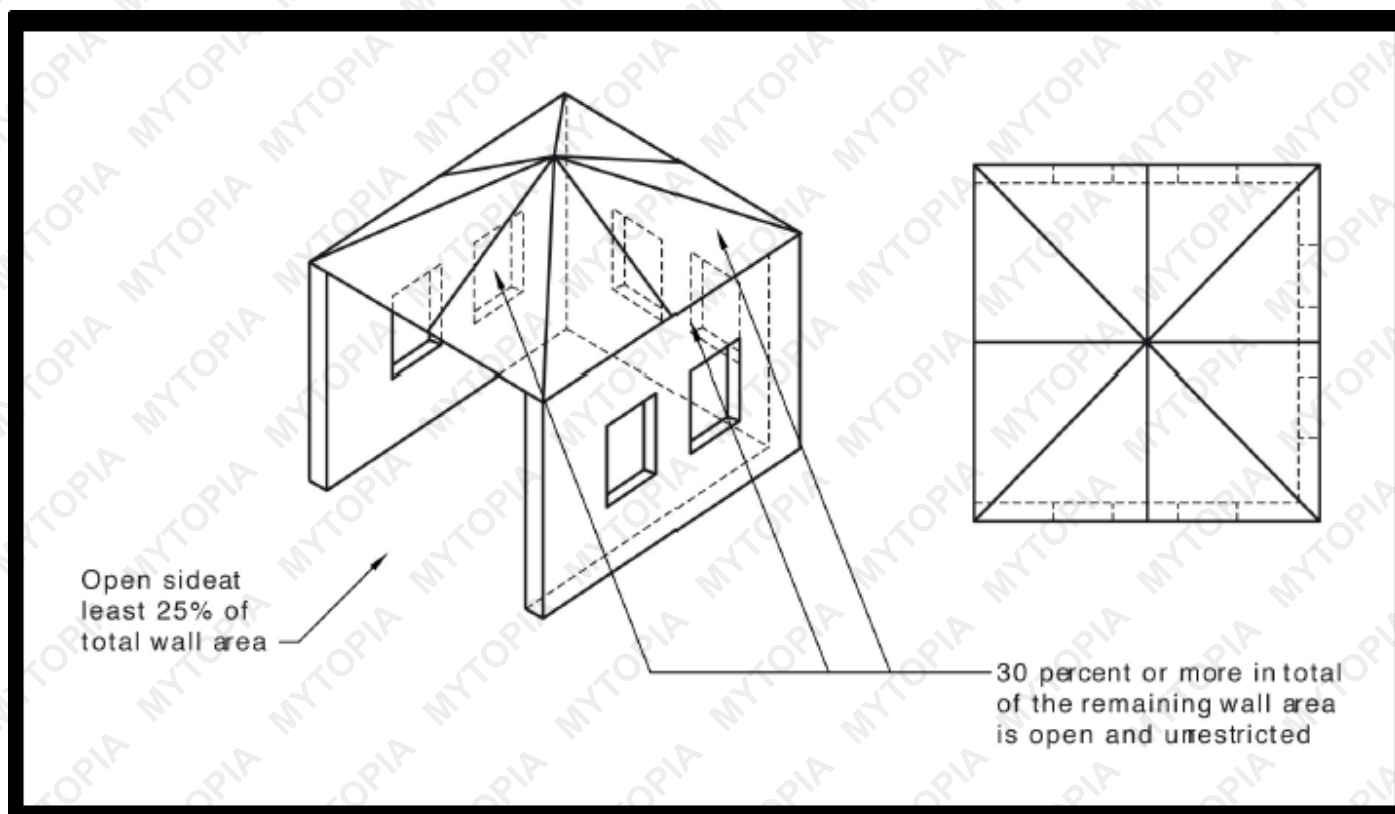


FIGURE 5 – Outdoor Area. With the open side at least 25% of the total wall area and 30% or more in total of the remaining wall area is open and unrestricted.

THIS APPLIANCE SHALL ONLY BE USED WITH A PROPANE GAS CYLINDER CERTIFIED TO AS 2469 FITTED WITH POL CONNECTIONS ONLY.

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



WARNING!
USE OUTDOORS ONLY.
SEE OPERATING INSTRUCTIONS.

CAUTION! ACCESSIBLE PARTS MAY BE VERY HOT. KEEP
CHILDREN AWAY.

DO NOT OPERATE THIS APPLIANCE BEFORE READING THE
INSTRUCTION MANUAL.

DO NOT OPERATE THIS APPLIANCE WHILE IT IS RAINING.

DO NOT PLACE ARTICLES ON OR AGAINST THIS APPLIANCE.

DO NOT PLACE CHEMICALS, FLAMMABLE MATERIALS OR
SPRAY AEROSOLS ON OR NEAR THIS APPLIANCE.

DO NOT OPERATE WITH PANELS, COVERS OR GUARDS
REMOVED FROM THIS APPLIANCE.

DO NOT OPERATE IN A BOAT, CARAVAN OR TENT.

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.**

CAUTION! THIS APPLIANCE MUST BE PROTECTED FROM
RAIN.

CAUTION! CHECK AND CONFIRM SAFE WATER TEMPERATURE
BEFORE USING THIS APPLIANCE. WATER FROM THIS
APPLIANCE MAY BE VERY HOT.





















CAUTION! THIS APPLIANCE IS NOT INTENDED FOR THE SUPPLY
OF DRINKING WATER.

**THIS APPLIANCE SHALL ONLY BE USED WITH A PROPANE
GAS CYLINDER CERTIFIED TO AS 2469 FITTED WITH POL
CONNECTIONS ONLY.**

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

Safety Symbols

The product may have safety warning labels attached to it, explained below. Understand the symbols on your product and their meanings. If any stickers become unreadable, unattached etc., replace them.

 <p>Flammable Material Hazard Flammable liquids, gases or substances etc may present. Avoid ignition sources and open flames. Danger of fire.</p>	 <p>Read User Manual Read and fully understand product safety warnings, operation, procedures etc before using the product.</p>	 <p>Use Hand Protection Wear appropriate hand protection and take due care as the product or use of the product may present hand hazards.</p>	 <p>Carbon-Monoxide Hazard Do not use the product in confined areas or without adequate ventilation. Carbon-monoxide poisoning can be fatal.</p>
 <p>Electrocution / Electrical Shock Hazard High voltage or high current electricity may be present or required by the product. Take due care when handling electrical products, cables, plugs and leads. Electrical shock can be fatal.</p>	 <p>Toxic Fumes / Dust Hazard Using the product or by-products from use may produce fumes, smoke or particles that could be harmful if inhaled. Wear appropriate breathing protection and have adequate ventilation.</p>	 <p>Explosive Material Hazard Combustible liquids, gases or substances etc may be present. Avoid ignition sources and open flames. Danger of explosion.</p>	 <p>Cutting / Amputation Hazard The product may have blades, edges or mechanical devices that can cause severe cut injury to fingers, limbs etc. Take due care when handling and using the product.</p>
 <p>Crush Hazard The product may have blades, edges or mechanical devices that can cause severe crush injury to fingers, limbs etc. Take due care when handling and using the product.</p>	 <p>Single Operator Only The product must be operated by a single person only. More than one person operating the product may introduce additional hazards.</p>	 <p>Use Face Protection Wear appropriate full-face protection and take due care as the product or use of the product may present face and eye hazards.</p>	 <p>Use Foot Protection Wear appropriate foot protection and take due care as the product or use of the product may present foot hazards.</p>
 <p>Use Eye / Ear / Head Protection Wear appropriate eye and / or ear and / or head protection and take due care as the product or use of the product may present eye, hearing and head hazards.</p>	 <p>Running Hazard Do not run on or near the product as doing so may present a fall hazard.</p>	 <p>Diving Hazard Do not dive into the product as doing so may present a neck / head injury hazard.</p>	 <p>Adult Supervision Required Always supervise children and other users of a product to prevent drowning or injury.</p>
 <p>Skin Penetration / Puncture Hazard The product may produce pressure, emit liquids or objects that can cause severe injury to fingers, limbs, blood etc. Take due care when handling and using the product.</p>	 <p>Hot Surface Hazard Be aware that the product may produce high temperatures and hot surfaces that can cause burn injuries.</p>	 <p>Flying Debris Hazard Be aware that the product or use of the product may present hazards produced by flying debris. Wear appropriate clothing and protective devices.</p>	 <p>Moving Parts Hazard Be aware that the product contains or uses mechanical devices that move or rotate. Always wait for moving parts to stop fully before handling the product, adjusting, maintenance etc.</p>
















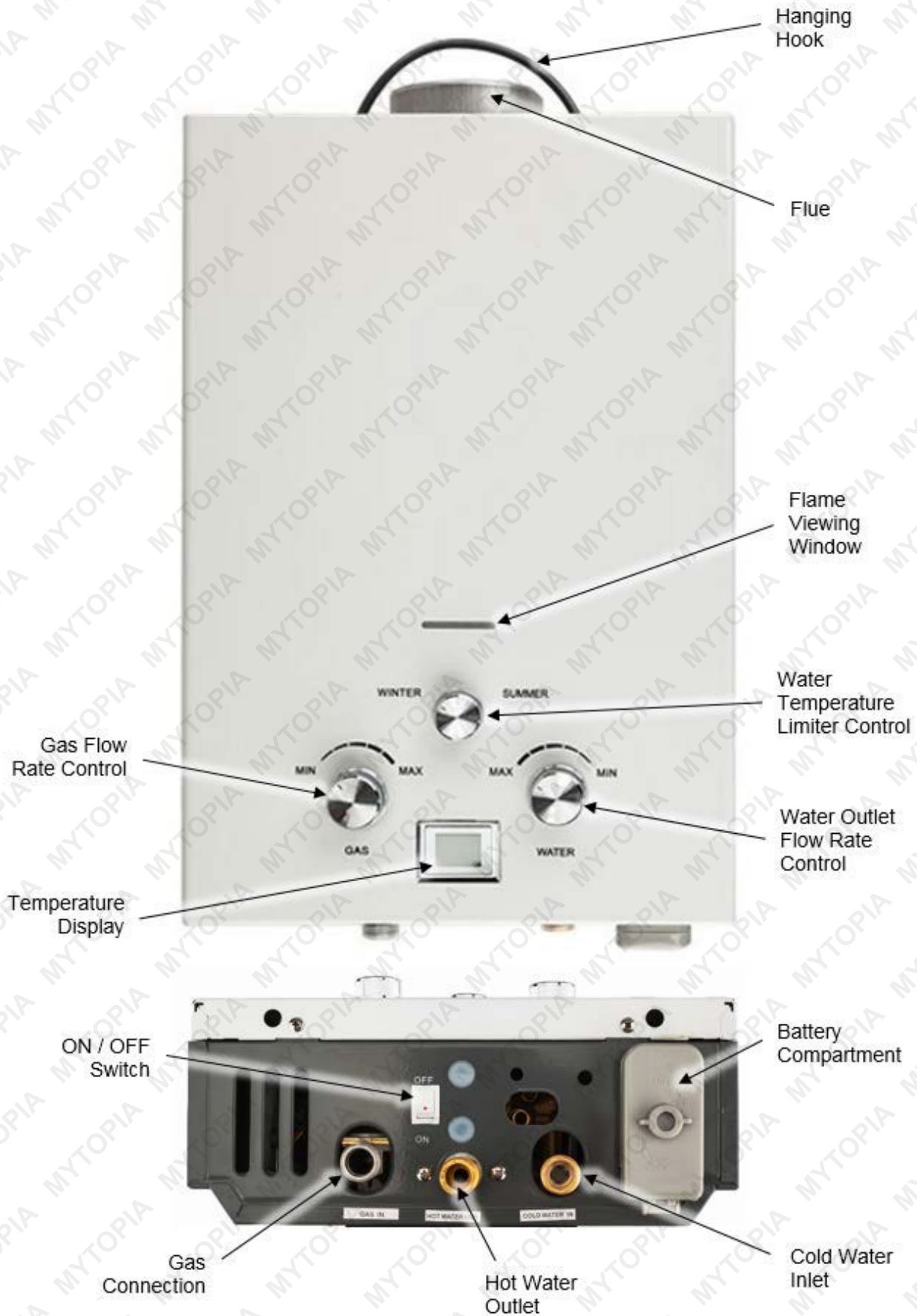
 <p>Carbon-Monoxide Hazard Do not use the product in confined areas or without adequate ventilation. Carbon-monoxide poisoning can be fatal.</p>	 <p>Pull Hazard Be aware that the product contains or uses mechanical devices that can pull in objects and can cause severe injury to fingers, limbs etc. Take due care when handling and using the product.</p>	 <p>Slope / Fall Injury Hazard Be aware that using the product on sloping surfaces or in slippery conditions may present additional dangers from falls and contact with blades, moving parts, hot surfaces etc.</p>	 <p>"Slam Dunk" Warning Do NOT attempt "slam dunk" manoeuvres as this may result in severe injury due to falling, product breakage or collapse etc.</p>
 <p>Electrocution / Electrical Shock Hazard - Outdoor High voltage or high current electricity may be present or required by the product. Do NOT use in rain, damp or wet conditions. Electrical shock can be fatal.</p>	 <p>Electrocution / Electrical Shock Hazard - Disconnect High voltage or high current electricity may be present or required by the product. Always disconnect the product from the electrical supply before handling the product, adjusting, maintenance etc.</p>	 <p>Power Line Electrocution Hazard High voltage / high current power lines may be present. Use extreme caution to avoid contact or interference with power lines. Electrical shock can be fatal.</p>	 <p>"Kick-Back" Hazard High level of "kick-back" hazard that can cause the machine to suddenly rotate towards operator. Kick-back injury can be fatal.</p>
 <p>Winch Operator Position Hazard Do NOT stand between winch and load. Do NOT use winch to move people.</p>	 <p>Winch Lift Hazard Do NOT LIFT load vertically. Use machine to PULL only.</p>	 <p>Cable Hazard Ensure that load bearing cable is not kinked or knotted.</p>	 <p>Winch Cable Hazard Ensure that there is a minimum number of cable coils on winching mechanism.</p>
 <p>Winch Hook Hazard Carry hook to load – do NOT throw or run.</p>	 <p>Flash / Blinding Hazard Wear appropriate eye protection for welding. Direct exposure to weld arcs may cause permanent eye injury.</p>	 <p>Laser Hazard Laser may be in use – do NOT look directly at laser or allow others to.</p>	

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Parts Identification



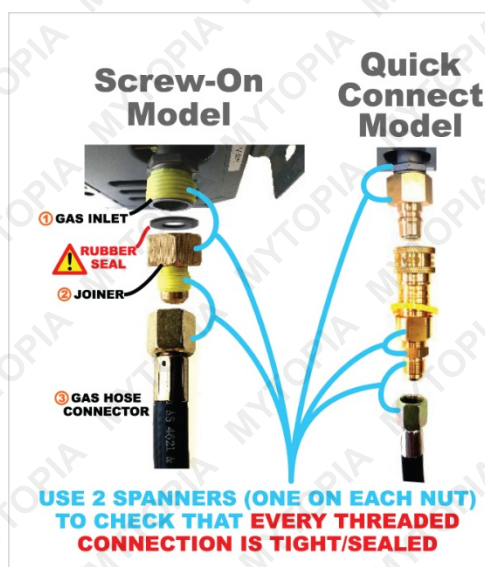
Preparing the Unit for Use

[Click here for a video on how to set-up and use the appliance](#)



• This unit is not to be permanently plumbed into a mains water system. • Before using the appliance, it is important to prepare it by installing the correct adaptors to suit the intended use (for example, mains water supply). • Gas fittings are standard 3/4" POL type. Water fittings are standard 3/4". When replacing parts, use approved replacements of the correct type only. • If using a water input source through a low voltage pump, refer to the pump instruction manual. • Typically, connect the pump inlet to the water supply (for example, bucket of water) and connect the pump outlet to the appliance cold water inlet connection. Connect the pump to the power supply (for example, vehicle 12V system) and switch it on. • It is recommended to use a shower hose no less than 2 meters long.

1. Remove all the components from the packaging.
2. Insert 2 D-size batteries into the battery compartment on the underside of the unit and close the compartment. The appliance cannot be operated without batteries.
3. Attach the gas connection to the underside of the unit in the manner shown for your type of connector below.



Incorrect assembly, failure to tighten connectors correctly or failure to check for gas leaks can cause a fire.

- 1) Make absolutely sure the **RUBBER SEAL** is in the **JOINER** (2) [Screw-On Model Only]. Never attempt to use without the rubber seal!
- 2) Use 2 spanners/wrenches to ensure **every threaded connection** is tight.
- 3) Hang the unit and set up all remaining items.
- 4) BEFORE USE:
 - Turn on the gas supply but **DON'T** turn on the water heater or allow it to ignite.
 - Apply a water/detergent mixture over all connections shown to the left.
 - Observe for bubbles. Bubbles emanating from gas connections indicate escaping gas.
 - If gas is escaping re-check all connections.
 - Do not use the heater until the connections pictured to the left are fully sealed.

BEFORE CONNECTING THE GAS SUPPLY READ ALL INFORMATION CONTAINED IN THE MANUAL AND ON LABELLING.

- 4.
5. Connect the regulator end of the gas bottle hose to the gas bottle - **ensure that the regulator has the rubber seal installed**. Rotate the securing nut on the regulator left (anti-clockwise) to connect to the gas bottle. Firmly tighten by hand only.
6. Wrap 6 to 8 rotations of plumbers / Teflon tape clockwise around the thread of the cold water inlet, then connect the water supply hose to it. If you are using spanners to connect the water supply hose - use 2 spanners - one to hold the nut on the cold water inlet connector and prevent it from twisting, and the other to tighten the hose connector. Take care not to over-tighten as this could damage the unit. If the water supply uses a standard garden hose fitting, install the supplied male garden hose connection to the cold water inlet and tighten by hand.
7. Connect the shower head hose to the hot water outlet. It is optional but recommended to use plumbers / Teflon tape. Firmly tighten by hand only.

Operation

[Click here for a video on how to set-up and use the appliance](#)



• Position the gas cylinder away and to the side of the appliance; never place the gas cylinder directly beside or above the appliance. • Use a suitable and sturdy, non-combustible object to hang the appliance from. The appliance must have a minimum clearance of 500mm on each side and 1000mm from the top to any combustible surface, fabric, flammable material, people etc. • Before use, check the gas connections for leaks - do NOT use a flame. Coat all connections with soapy water, then turn the gas supply ON (rotate gas bottle valve left / anti-clockwise 1 full turn) and observe the connections; if any bubbling can be seen, gas is leaking. If a leak is detected, turn the gas supply OFF and check and re-tighten all connections, then re-test. Once you determine that there are no leaks present, turn the gas supply OFF. • The appliance requires sufficient water pressure in order to ignite the burners. If the water supply pressure drops or is turned off, the burners will shut off automatically. • The appliance is designed for source water temperatures of 20°C or less and is generally capable of raising the water temperature by approximately 25°C, up to a maximum of 50°C. • If the output water temperature exceeds 50°C, the burners will shut off automatically. To re-ignite the burners, turn off the water supply off, then on again. • Some accessible parts of the appliance may be very hot after use.

1. Ensure that the gas and water supplies are correctly connected and there are no gas leaks.
2. Place the flow regulation switch on the shower head in the OFF position.
3. Turn the gas supply ON (rotate gas bottle valve 1 left / anti-clockwise 1 full turn).
4. Set the gas flow rate control to the MAX position, and the water outlet flow rate control to the MIN position.
5. Set the water temperature limiter control to the SUMMER position if the ambient temperature is above 6°C, or WINTER if the temperature is below 6°C.
6. Place the ON / OFF switch in the ON position.
7. Turn the water supply ON (for example, tap or pump). Water should NOT flow from the shower head.
8. When ready, place the flow regulation switch on the shower head in the ON position. Water will start to flow through the shower head within a few seconds. Once there is sufficient water pressure and flow through the appliance, the burners will ignite automatically (you should hear a series of clicks as they are ignited). The burner flame can be seen through the appliance "viewing window".
9. After a short time, the output water temperature will increase - the temperature display shows the current water temperature - adjust the temperature as required using the gas and water flow rate controls - for higher temperatures, increase the gas flow rate and decrease the water flow rate. **Caution:** Test the water temperature at the shower head, as it may be hot enough to cause injury.
10. When finished, turn OFF the gas supply, however, leave the water flowing through the shower head - when the burners shut off, all gas has been removed from the plumbing. Then, place the flow regulation switch on the shower head in the OFF position and turn the water supply OFF. Place the appliance ON / OFF switch in the OFF position.

[Click here for a video on how to set-up and use the appliance](#)

Maintenance



• Do NOT submerge the appliance in any liquid. • Do NOT use abrasives, bleach, harsh detergents or flammable cleaners.

- Before each use, check that the screen filter on the 'gas inlet' and 'water inlet' pipes is in place and cleaned of any particles.
- Inspect the appliance regularly for signs of wear, leaks or incorrect operation.
- Do not attempt any maintenance or repair work not described in the instruction manual. Have all other work performed by a servicing dealer.
- All servicing and repair work must be performed by authorised service agents only.
- Using warm water and mild detergent to clean the surfaces of the appliance. Take care not to allow water to enter the appliance, especially the burner outlets.

Transporting and Storage



• Propane gas cylinders should be stored outdoors in a well-ventilated area. • Propane gas cylinders should not be stored indoors. • Propane gas cylinders must be stored upright. • Treat any gas cylinder that has ever been filled as a full cylinder, even if you believe it to be empty. • Propane gas storage areas must be free from sources of ignition. • This appliance shall be installed and operated in accordance with (1) this manual, (2) AS 5601 "Gas Installations" and (3) any other local relevant statutory regulation. • Propane gas cylinders must be installed and positioned to conform with AS/NZS 1596.

1. Ensure the gas and water supplies are turned OFF and no gas remains in the plumbing or appliance. Drain the appliance and shower hose of any water etc.
2. Ensure the appliance ON / OFF switch is in the OFF position.
3. Carefully disconnect the gas and water connections from the appliance. For connections tightened with spanners - use 2 spanners - one to hold the nut on the appliance connector and prevent it from twisting, and the other to loosen the hose connector.
4. Disconnect the regulator and gas bottle hose assembly from the gas cylinder.

[Click here for a video on how to set-up and use the appliance](#)



Troubleshooting

This guide should be followed in case of failure of the appliance to operate correctly. If symptoms persist, contact customer service from where the appliance was purchased.

WARNING! DO NOT ATTEMPT TO REPAIR OR MODIFY THE APPLIANCE

Problem	Solution
The burners will not ignite	Make sure you have new batteries installed in the correct position. Check the cap of the battery case for instructions on how they should be installed.
	Check for sufficient water pressure. The unit must have a minimum of approximately 15 kPa of sustained water pressure to activate the burners.
	Check that the water inlet filter screen is clean. To flush the system, you can reverse the water connections by taking the water inlet pipe and connecting it to the water outlet pipe.
	Check that the appliance ON / OFF switch and shower head flow regulator is in the ON position.
Water flows through the unit but is not hot.	New batteries may be required for the ignition switch. Verify that the batteries are aligned in the proper polarity (+/-). Check the battery case for instructions on how to install the batteries properly.
	Check that the water pressure is at least 15 kPa to activate the burners.
	Ensure that the gas supply is correctly connected and that there is adequate gas in the cylinder.
	Verify that the water supply inlet and outlet are connected properly. The shower head should be attached to the water outlet and the water supply connected to the water inlet.
Water is not hot enough.	Adjust the gas regulator and water regulator to the desired temperature. To increase temperature; turn the gas regulator control toward MAX and the water regulator control toward MIN.
	Check the source water temperature. If the source water temperature is too cold then you may need to "cycle" the water through the system back into the water source reservoir then through the appliance again to reach desired temperature.
	Check if there is a blue flame in the "viewing window". If you see a yellow flame it could mean a breakdown in the gas regulator. If this is the case, STOP using the appliance immediately and contact customer service.
The unit starts for a short amount of time and then shuts off	Ensure the gas cylinder is not empty. If using a new cylinder; cycle the appliance on and off several times by using the shower head switch to purge any air from the gas lines.
	This unit activates at a sustained water pressure of 25 kPa. If your water supplies water pressure is below the minimum the unit will not ignite.
	Make sure the water heater is protected from strong winds that may be extinguishing the burners.

Specifications

Model	Batch#	Distributor	Certification
TRG-16		Mills Brands Pty Ltd	 
Gas Type	Injector Size (mm)	Minimum Water Pressure	
Propane LPG	0.62	15 kPa	
TPP (kPa)	Total NGC (MJ/h)	Maximum Water Pressure	
2.75	30	750kPa	



Some experts believe that the incorrect or prolonged use of almost any product may cause serious injury or death. To help reduce your risk of serious injury or death, refer to the information below. For more information, see www.datastreamserver.com/safety

- Consult all documentation, packaging and product labelling before use. Note that some products feature documentation available online. It is recommended to print and retain the documentation.
- Before each use, check the product for loose/broken/damaged/missing parts, wear or leaks (if applicable). Never use a product with loose/broken/damaged/missing parts, wear or leaks.
- Products must be inspected and serviced (if applicable) by a qualified technician every 6 months. This is based on average residential use by persons of average size and strength, and on a property of average metropolitan size. Use beyond these recommendations may require more frequent inspections/servicing.
- Ensure that all users of the product have completed a suitable industry recognised training course before being allowed access to the product.
- The product has been supplied by a general merchandise retailer that may not be familiar with your specific application or description of application. Be sure to attain third-party approval from a qualified specialist for your application before use, regardless of any assurances from the retailer or its representatives.
- This product is not intended for use where fail-safe operation is required. As with any product (for example, automobile, computer, toaster), there is the possibility of technical issues that may require the repair or replacement of parts, or the product itself. If the possibility of such failure and the associated time it may take to rectify could in any way inconvenience the user, business or employee, or financially affect the user, business or employee, then the product is not suitable for your requirements. This product is not intended for use where incorrect operation or a failure of any kind, including but not limited to, a condition requiring product return, replacement, parts replacement or service by a technician may cause financial loss, loss of employee time or an inconvenience requiring compensation.
- If this product has been purchased in error when considering the information presented here, contact the retailer directly for details of their returns policy, if required.

