

D.870.000.V3



Owner & Safety Manual



Model number FMPPC2C, Series Number 870 - Tested by CSA International

DANGER:

If you smell gas:

- 1 Shut off gas to the appliance.
- 2 Extinguish any open flame.
- 3 If odour continues, keep away from the appliance and immediately call your gas supplier or fire department.

WARNING:

Do not store or use gasoline or other flammable vapors and liquids in the vicinity of this or any other appliance.

An LP-cylinder not connected for use shall not be stored in the vicinity of this or any other appliance.

WARNING:

Don't burn yourself! Do not touch or handle the firebowl when hot! To avoid injury always allow the firebowl to cool down for at least 30 minutes before moving and handling the appliance.

WARNING:

For outdoor use only.



DANGER



CARBON MONOXIDE HAZARD

This appliance can produce carbon monoxide which has no odour.

Using it in an enclosed space can kill you.

Never use this appliance in an enclosed space such as a camper, tent, car or home.



WARNING:

Improper installation, adjustment, alteration, service or maintenance can cause injury or property damage. Read the installation, operating and maintenance instructions thoroughly before installing or servicing this equipment.

WARNING:

If the information in this manual is not followed exactly, a fire or explosion may result causing property damage, personal injury or loss of life.
Installation and service must be performed by a qualified installer, service agency or the gas supplier.

LP SAFETY:

- a. Do not store a spare LP-gas cylinder under or near this appliance.
- b. Never fill the cylinder beyond 80 percent full.
- c. If the information in “(a)” and “(b)” is not followed exactly, a fire causing death or serious injury may occur.

Do not use this appliance under overhead combustible surfaces.

MINIMUM CLEARANCES:

- **Bottom:** Non-Combustible Surface
- **Top:** 80 inches
- **Sides:** 36 inches
- For Installation on (or over) non-combustible floors only

Max. Input: 58,000 BTU/h (17.0kW)

Max Gas Supply Pressure: 250 PSI

This appliance shall be used only outdoors in a well-ventilated space and shall not be used in a building, garage or any other enclosed area.

If this appliance is not in use, the gas must be turned off at the supply cylinder.

Indoor storage of this appliance is permissible only if the cylinder is disconnected and removed from the appliance.

Cylinders must be stored outdoors in a well-ventilated area out of the reach of children.

Disconnected cylinders must have threaded valve plugs tightly installed and must not be stored in a building, garage or any other enclosed area.

The gas pressure regulator provided with this appliance must be used, and must be the same model as supplied with the unit.

The cylinder supply system must be arranged for vapor withdrawal.

Cylinders used with this unit must have a collar to protect the cylinder valve.

An approved LP-Cylinder stabilizer, such as the stabilizer ring included, must be used when the appliance is in use.

Replacement parts and a list of such parts are available from FMI Brands Inc. through the contact information provided on the last page of this Manual.

WARNING:

Please ensure that all adults and children which use or are near a unit in use are aware of the hazard of high-surface temperatures present on the unit during use and should use caution and stay away to avoid burns or clothing ignition.

Carefully supervise young children in the area of this appliance. Clothing or other flammable materials should not be hung from the appliance or placed on or near the appliance. Any guard or other protective device removed for servicing the appliance must be replaced prior to operating the appliance.

Installation and repair should be done by a qualified service person. The appliance should be inspected before use and at least annually by a qualified service person. More frequent cleaning may be required as necessary. It is imperative that control compartment, burners and circulating air passageways of the appliance be kept clean.

All LP cylinders to be used with this appliance must be:

- Constructed and marked in accordance with the specifications for LP-gas cylinders Standard, *CAN/CSA B339, Cylinders, Spheres and Tubes for the Transportation of Dangerous Goods*.
- Provided with a listed overfilling prevention device.
- Provided with a cylinder connection device compatible with the connection for outdoor cooking appliances.
- Only a 20 lb. (9 kg) LP gas cylinder is to be used for this appliance, approximately 18" (46 cm) high & 12" (30 cm) diameter.
- The use of an approved LP gas cylinder stabilizer, such as the one included, must be used when using this appliance in order to prevent the LP gas cylinder from tipping over.

ENCLOSURES FOR SELF-CONTAINED LP GAS SYSTEMS:

An enclosure for an LP-gas cylinder shall be ventilated by openings at both the upper and lower levels of the enclosure. This shall be accompanied by one of the following:

- One side of the enclosure shall be completely open; or
- For an enclosure having four sides, a top, and a bottom:

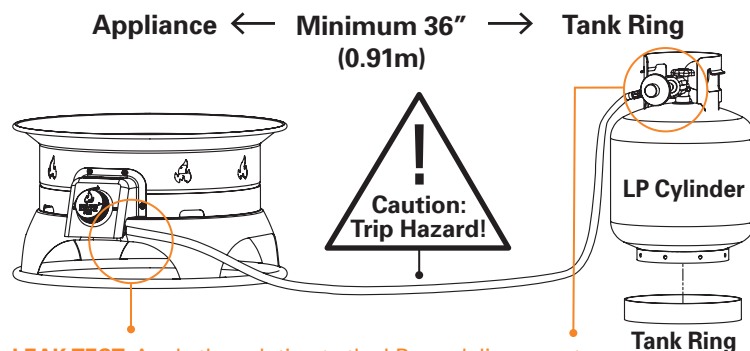
At least two ventilation openings (see Part IV, Definitions) shall be provided in the sidewalls of the enclosure, located within 5 in (127 mm) of the top of the enclosure, equally sized, spaced at a minimum of 90 degrees (1.57 rad), and unobstructed. The opening(s) shall have a total free area of not less than 1 in² per lb (14.2 cm² per kg) of stored fuel capacity.

Ventilation opening(s) shall be provided at floor level of the enclosure and shall have total free area of not less than 1/2 in² per lb (7.1 cm² per kg) of stored fuel capacity. If ventilation openings at floor level area are in the side wall, there shall be at least two openings. The bottom of the openings shall be 1 in (25.4 mm) or less from the floor level and the upper edge no more than 5 in (127 mm) above the floor level. The openings shall be equally sized, spaced at a minimum of 90 degrees (1.57 rad), and unobstructed.

Every opening shall have minimum dimensions so as to permit the entrance of a 1/8 in (3.2 mm) diameter rod. Ventilation openings in sidewalls shall not communicate directly with other enclosures of the appliance.

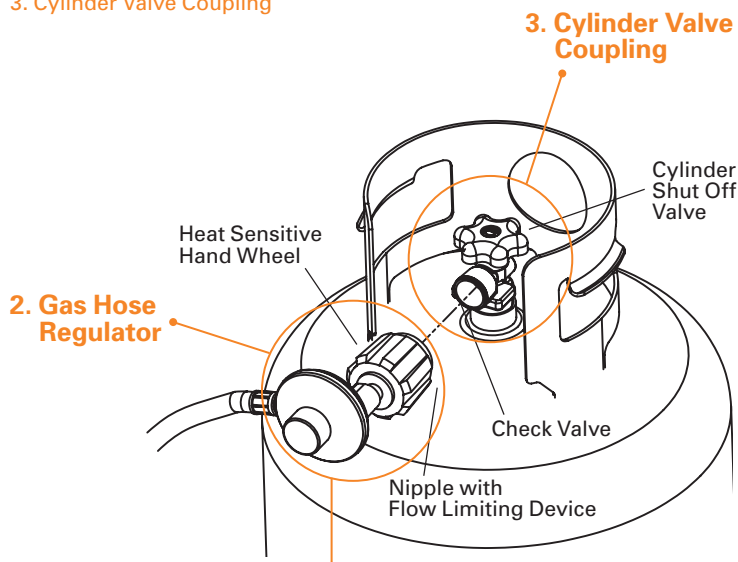
WARNING:

Ensure that the LP gas cylinder is kept at a minimum distance of three feet (36 inches) away from the appliance.



LEAK TEST: Apply the solution to the LP gas delivery system at points:

1. Firebowl Valve Coupling
2. Gas Hose Regulator
3. Cylinder Valve Coupling



LEAK TEST: Apply the solution to the LP gas delivery system at points. Valve coupling regulator & Cylinder Coupling.

CONNECTION:

1. Be sure the cylinder valve and appliance valves are "off".
2. Place full LP gas cylinder on tank stabilizer ring.
3. Center the nipple in the cylinder valve and hold in place.
4. Using the other hand, turn the hand wheel clockwise until there is a positive stop. Do not use tools.
5. **Hand tighten only. When making the connection, hold the regulator in a straight line with the cylinder valve, so as not to cross thread the connection.**
6. Leak test the connection. See section named "LEAK TEST".



LEAK TEST:

1. DO NOT USE OR PERMIT SOURCES OF IGNITION IN THE AREA WHILE DOING THE LEAK TEST. THIS INCLUDES SMOKING.
2. Leak testing should be done once per year or whenever the LP gas cylinder or any other gas system part is taken apart, serviced or replaced, whichever is more frequent.
3. Ensure all gas system coupling joints are tight and properly attached.
4. Prepare a leak testing solution of half liquid detergent and half water.
5. Apply the solution to the LP gas delivery system at points as shown in illustration indicated on page 3.
6. If parts of the fitting begin to produce bubbles, spray liquid, or if you smell liquid propane gas, immediately close the valve on the tank.
7. Wait 5 minutes for any gas to dissipate.
8. After waiting for 5 minutes, the leak(s) must be stopped by tightening the loose joints, if possible, or by replacing the faulty part(s) with the part(s) recommended by the appliance manufacturer.

THE APPLIANCE IS NOT TO BE USED UNTIL ANY LEAK IS CORRECTED.

A gas appliance repairman or LP gas dealer should be called if attempts to stop the leak(s) are unsuccessful and, in such case, the LP gas supply must be shut off at the cylinder valve or the cylinder must be removed from the appliance until the leak(s) is corrected.

Inspect hose prior to each use of the unit. The hose assembly must be replaced prior to the appliance being put into operation if there is evidence of excessive abrasion or wear, or if the hose is damaged. Contact FMI Brands Inc. should you require a replacement hose.

Inspect burner prior to each use. Burner must be replaced prior to the appliance being put into operation if there is evidence of damage. Replacement burners are available from FMI Brands Inc.

Should any part of this appliance (including the burner) become soiled or dirty, wipe lightly with a damp cloth. Do not use flammable or corrosive cleaning products on or near this unit.

Ensure that gas hose is placed in an area where it is unlikely to be tripped over (such as pathways or trails) or subject to other accidental damage.

Keep the appliance area clear and free from combustible materials, gasoline and other flammable vapors and liquids.

Solid fuels shall not be burned in this appliance.

Installation must conform with local codes or, in the absence of local codes, with either the *National Fuel Gas Code, ANSI Z223.1/ NFPA 54, Natural Gas and Propane Installation Code, CSA B149.1 or Propane Storage and Handling Code, B149.2, or the Standard for Recreational Vehicles, ANSI A 119.2/NFPA 1192, and CSA Z240 RV Series, Recreational Vehicle Code*, as applicable.

NOTE TO INSTALLER:

Leave this guide with the consumer.

NOTE TO CONSUMER:

Please retain this guide for future use.



WARNING:

If the information in this manual is not followed exactly, a fire or explosion may result causing property damage, personal injury or loss of life.

Installation and service must be performed by a qualified installer, service agency or the gas supplier.

SECTION 1: ASSEMBLY

STEP 1 Enclosed are four bags of rocks, one factory installed 10' propane-rated hose with attached regulator, one propane tank stabilizer ring, one lid and one carry strap.

STEP 2 Remove plastic bags containing the rocks, propane stabilizer ring and cover and carry kit.

STEP 3 Open the two bags containing mid-sized rocks, labelled conveniently for you "M" and arrange in burner area.

STEP 4 Open the single bag containing larger sized rocks, labelled conveniently for you "L" and arrange on top of the medium sized rocks.

STEP 5 The fourth bag of rocks are included as spares and labelled "Spare Rocks". These can be stored and used as replacements or deployed for additional coverage depending on preference.

Our preferred configuration is pictured here.

Never handle rocks which have not been allowed to cool from exposure to flame. Never attempt to rearrange rocks while unit is ignited.



Your included Cover & Carry kit is to be used for storage and transportation as shown.



Note:

- Rocks are not to exceed a maximum weight of 2 kgs or 4.4 lbs.
- Never use a lid to extinguish the flame on your Outland Firebowl®
- The lid and carry straps (Cover & Carry Kit) is to be used for storage and transportation only.

WARNING:

Never use the lid to cover your Outland Firebowl® while the Firebowl burner is in operation. After use allow the Firebowl to cool for at least 10 minutes prior to deploying the lid and carry strap.

NOTE TO USER:

Before igniting the unit for the first time, follow steps one through 5 in the below Ignition section.

SECTION 2: IGNITION

STEP 1

Ensure that unit valve dial is in the "OFF" position by pushing and turning clockwise until the dial stops.



STEP 2

Securely attach regulator (large end of hose) to your propane cylinder.



STEP 3

Extend hose to full length and ensure that the propane tank is as far as safely possible from the Firebowl and place the tank in the included stabilizer ring.



STEP 4

*****SLOWLY***** turn cylinder valve to the open position to avoid tripping the CSA excess flow safety device in the gas regulator. For more information about the CSA excess flow safety device see STEP 8 (What is an Excess Flow Safety Valve? (EFV)).

STEP 5

Leak Test all connections. See section labeled "Leak Test".



SECTION 2: IGNITION (continued)

STEP 6

Your firebowl is equipped with an auto spark ignition. Push the knob in and slowly turn counter-clockwise to the high position. The ignitor will spark and ignite the gas. Should the appliance fail to ignite on the first try, promptly repeat the ignition attempt within 5 seconds. If the second attempt fails to ignite the firebowl then rotate the knob to the “off” position and wait 5 minutes before attempting to ignite again. Turn the gas valve off at the cylinder and inspect the ignition electrode to ensure it is free from debris. After waiting for 5 minutes visually inspect the spark by rotating the knob to high **without** turning the gas back on at the cylinder. Ensure the spark gap is 1/8” from the burner port and has a clear path. Once you ensure the ignitor is operating properly repeat the ignition sequence.

STEP 7

Once the unit is burning normally set the dial to desired flame height.



STEP 8

GOT A LOW FLAME?: If your firebowl experiences low flame, or flame height does not appear to be normally adjusted by the gas knob, it is likely that the CSA excess flow safety device has been tripped in the hose regulator.

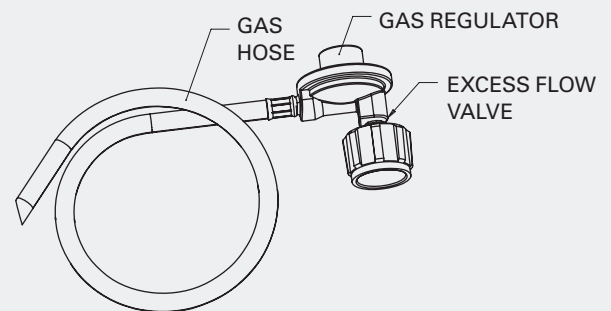
CORRECTIVE ACTION: Close propane cylinder valve. Open and then close Firebowl gas knob valve to release pressure. Disconnect and reconnect the propane cylinder valve connection. Slowly open propane cylinder valve. Perform Leak Test and follow Ignition sequence.

WARNING: Ensure that no parts of your body, clothing, or any other combustible material are above the burner before, during and after ignition. Ensure the cover is stored safely away from the Firebowl when the Firebowl is in use.

WHAT IS AN EXCESS FLOW SAFETY VALVE? (EFV)

The EFV is a safety mechanism contained within every propane gas regulator. The purpose of the EFV is to restrict the gas supply if too much gas is flowing too quickly through the gas hose. For example, this could happen if the gas hose was severed.

It is normal that your Fire Bowl EFV trips if you open the propane tank valve too quickly or if you leave the Fire Bowl gas knob open before lighting, or both.



SECTION 3: PERIODIC INSPECTION OF BURNER FLAMES



Upon igniting the appliance, visually verify that the burner is indeed burning as demonstrated in the image to the left. The presence of flames will confirm that the burner is burning. Periodically check that the burner flame is present during operation

by visually inspecting the burner to ensure the presence of flames.



If there are no flames present, as demonstrated in the image to the left, the appliance is likely not burning. If this is the case, IMMEDIATELY turn the valve to the “off” position if it is not already and repeat the ignition procedure as outlined in Section 2.



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SECTION 4: EXTINGUISHING THE APPLIANCE

STEP 1

Turn cylinder valve to the "Closed" position.

STEP 2

Turn appliance valve to the "Off" position by pushing and turning knob clockwise.

STEP 3

Allow unit to cool for at least five (5) minutes before relighting.

SECTION 5: FIREBOWL MAINTENANCE

Your Outland Firebowl® requires periodic maintenance to keep it in good running order. Follow the steps below to ensure your appliance will provide you with the best possible performance:

- 1 Keep your Firebowl out of the rain and store it in a dry place.
- 2 This device has been engineered to provide the maximum amount of heat and comfort. If you experience any signs of your propane cylinder 'freezing off' or start to experience lower flames than usual, please simply turn the burner control setting to low for 5–10 minutes, or replace the cylinder with a full one.
- 3 Ensure that you clean the bowl of your Outland Firebowl® after every use to keep it looking GREAT. Simply wiping the outer edge of the Firebowl with a damp paper towel or cloth to remove any combustion particulates.
- 4 Ensure to keep the lid on when storing your Outland Firebowl® in order to protect it from the elements.



WARNING NOTES:

- Expected burn time; the anticipated burn time for your Outland Firebowl® using a full 20 lb (9kg) propane cylinder is between 7 and 11 hours depending on where the flame height is set.
- FMI Brands Inc. recommends that you ignite this unit only when safely placed on a non-combustible surface as pictured above.
- This is NOT a toy. Children should be supervised at all times when using this unit without exception.
- Do not place any objects other than supplied rocks inside the burner component of the Firebowl.
- Do not add wood or any other materials to the fire. It is designed to safely combust propane only.
- Do not connect to a remote gas supply.
- Do not use this appliance if any part has been under water. Immediately call a qualified service technician to inspect the appliance and to replace any part of the control system and any gas control which has been under water.
- Do not leave this appliance in the rain.
- Replacement rocks/parts can be purchased at www.outlandliving.com or by calling 888-514-1663.
- Always inspect and clear all valve and gas orifices of any foreign debris including spider webs prior to lighting.

FOR ALL PART ORDERS PLEASE VISIT WWW.OUTLANDLIVING.COM

The owner's manual is available as a free download from www.outlandliving.com

Replacement part orders can be sent by mail to the address on the cover of this booklet, or faxed to (888) 797-9931. Should you have any questions or comments regarding this appliance, please do not hesitate to contact FMI Brands Inc. at (888) 514-1663 or E-Mail to info@outlandliving.com.