Safe Appliance

Since 1983

CHAD-O-CHEF

Lifestyle products

OUTDOOR FIREPIT VENTED GAS FIREPLACE BURNER INSTALLATION & OPERATING INSTRUCTION MANUAL

Please read these instructions carefully before installation.
Use and retain these instructions for future reference.



OFP400 / OFP400-N

These appliances conform to the requirements of SANS 1539

For permit number see: https://lpgas.co.za/resources/permitted-appliances-database/

STYLE • SAFETY



CONGRATULATIONS

on your purchase of a

CHAD-O-CHEF FIREPLACE

and WELCOME to the

CHAD-O-CHEF

family

QUALITY THAT LASTS

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GENERAL INSTRUCTIONS AND SAFETY NOTES

Thank you for purchasing your new CHAD-O-CHEF Gas Firepit, manufactured to the highest quality and tested for compliance with South African National Standards. This appliance is designed to give users years of trouble free and efficient service. Please read the following instructions carefully. The manufacturer and /or its agents and distributors will not be held responsible for injuries or damages resulting from unauthorized, faulty, incorrect installation, or, incorrect / misuse of the appliance.

WARNING

This Outdoor Firepit must **NOT** be installed Indoors.

TECHNICAL DATA - SPECIFICATIONS

Select the applicable model and gas type & follow the instructions appropriately:

Model	**OFP400**	**OFP400-N**
Gas type	LPG	Natural Gas
Operating pressure	2,8 kPa	2.0 kPa
Min Regulator size to comply with SANS 1237	4 kg/hr	N/A
Max. gas consumption	0.82kg/hr	1.0 m3/hr
Max. mJ input	41 MJ/hr	41 MJ/hr
Max. kW input	11.4 kWh	
Gas inlet connection	Ø8mm compression	
Ignition	Piezo Spark	
Oxygen depletion system (Pilot)	ODS min 18.5% O2	
Ceramic Ash	2kg	
Gas Logs	5	

Important Information For the USER:

This appliance may only be installed by a gas installer registered with the South African Qualification and Certification Committee for Gas (SAQCC Gas) for the applicable gas type. For LPG, the appliance must be installed in accordance with the requirements of SANS 10087-1. For Natural Gas (NG), the appliance must be installed in accordance with the requirements of SANS 827. All registered gas installers are issued with a card verifying their SAQCC number. Ask to be shown the card before allowing the installation work to commence.

Local fire authority regulations and/or local bylaws applicable to the area need to be adhered to. If in doubt, check with the relevant authority before undertaking the installation. Upon completion of the installation, the installer is required to fully explain and demonstrate the operation and safety practices applicable to the appliance and installation.

The registered gas installer will issue you with a Certificate of Compliance (COC) for the installation which must include their SAQCC number. Only sign acceptance of the COC when the installation is completed to your satisfaction.

This gas appliance is designed to be used with its specified gas type only. It is not suitable for wood or charcoal. Please note that this appliance is designed for domestic use only. It is not designed nor guaranteed for commercial use.

This fireplace may be installed in any outdoor area and is designed to function correctly with ample ventilation. Avoid areas where there are strong draughts, which may be generated by narrow passageways, as excessive wind could affect the safe operation of the appliance.

Important information for the REGISTERED GAS INSTALLER:

This appliance has been designed specifically for use with its specified gas type only. No modifications may be made to the appliance – e.g. conversions to another gas type etc. Modifications may only be done by or under the approval and guidance of the manufacturer.

All instructions / operating manuals must be provided to the user for safekeeping. Instruct the user on how to safely operate the Firepit (on / off / adjustment), and on isolation of the gas supply system. Advise the user on the need for servicing of the appliance. Frequency of service depends on usage, but should be carried out at any sign of malfunction and at least every 2 years.

Placement and Ventilation

Construct a masonry or steel platform to suspend the Firepit appliance (see Figure A).

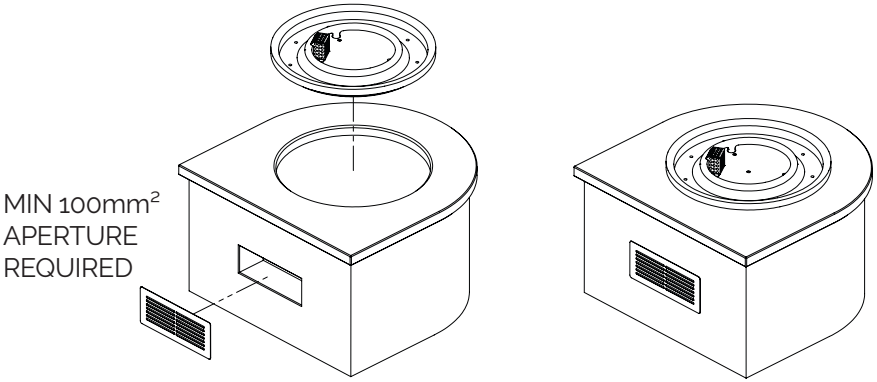


Figure A - Example of a Firepit Masonry

Ensure that the underside of the Firepit has adequate (100mm²) permanent access to free air. This can be achieved by providing a minimum aperture of 100mm² to free air underneath the appliance.

See safety distances to combustibles under SAFETY INFORMATION.

Connection

Connect a Ø 5/16" copper tube to the GAS INLET compression fitting on the Control Box (See Figure B). Be sure to tighten while simultaneously supporting the ELBOW CONNECTION.

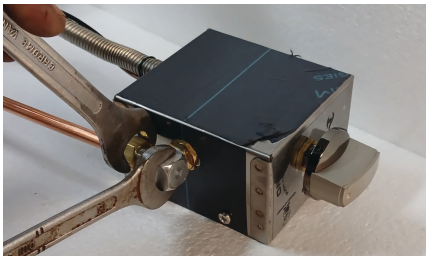


Figure B - Tightening the Compression Fitting

Gas supply

1. A “Pressure Test Tee” needs to be fitted in the gas supply line just before the main GAS INLET of the control box (See Figure C).
2. Ensure that the Operating Pressure for LPG or NG is provided when the Firepit burner is adjusted to High flow. See TECHNICAL DATA - SPECIFICATIONS for the operating pressure for the applicable gas type.

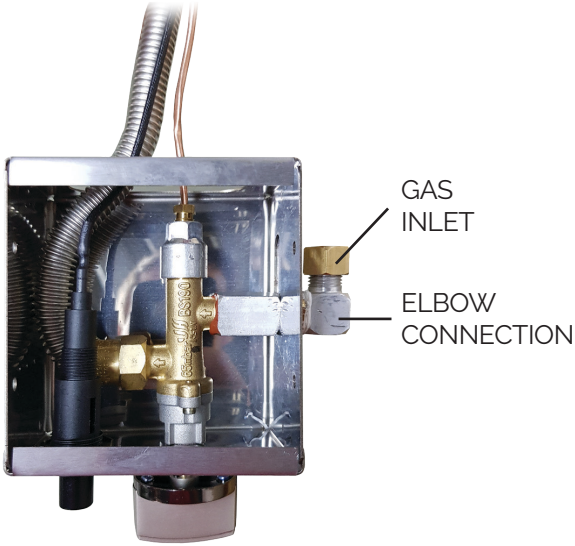


Figure C - Control Box

Ceramic Logs / Glass Finishes

Once the Firepit burner is in place, pour the provided Ceramic Ash or Fireglass onto the burner tray area and spread evenly around the burner.

Place the provided Ceramic Logs (if applicable) in a tee-pee type pattern with a large hollow center, or, in a crisscross pattern evenly over the ring burner (allow for a minimum of 50mm gap between parallel logs).

Testing and Commissioning

Turn on the gas supply and test for leak tightness with soapy water.

Ensure that the WORKING PRESSURE remains at 2,8 kPa for LPG, or 2.0 kPa on Natural Gas up to the control valve.

Check for normal operation of the main burner and components.





- This unit is intended for outdoor use only.
- Keep young children away from the appliance when in use or hot.
- Keep gas shut-off valves that form part of the installation isolated when not in use.
- In the event of a burn-back (where the flame burns at the jet detectable by a rushing sound), immediately turn the appliance control knob to the OFF position. After ensuring the flame is extinguished, re-light the appliance in the normal manner. Should the appliance burn back again, turn the appliance control knob to the OFF position again and call your service technician to examine the appliance. Do not use the appliance again until the service technician has declared the appliance safe to use.
- Do not use this appliance if it is suspected there is a gas leak. If there is a suspected gas leak, (detectable by smell), turn the appliance control knob to the OFF position. Make sure that there are no open flames within 5 meters of the appliance. Isolate the main gas shut-off valve to the appliance which the registered gas installer should provide as a part of the installation. You can also close the cylinder valve/s where applicable. Call your gas installer to examine the installation. Do not use the appliance until the gas installer has declared that it is safe to do so.

SAFETY DISTANCES

Ensure that combustible materials are kept away from the appliance when in use. The following clearances are advised:

Note: Combustible materials are defined as wood, fabrics, or other materials likely to burn when exposed to flame. Any other material which is

likely to discolour, melt, or lose shape when exposed to moderate heat, is included:

• Minimum radial clearance for wood	800 mm
• Minimum radial clearance for fabric / furniture	1500 mm
• Minimum vertical clearance to ceiling / timbers	1500 mm
• Minimum height off the floor	300 mm

Do not remove the serial plate that is attached to your appliance.

Read more about LPG safety on our website: https://chad-o-chef.co.za/how-safe-is-lpg-in-your-home/

PREPARING THE CHAD-O-CHEF APPLIANCE FOR USE

- Make sure that the protective film is removed from all surfaces before using the appliance.
- For LPG, ensure that the regulator is properly connected to the cylinder and that the connections have been checked for any leaks.
- Ensure that there are no combustible materials close to the appliance (see above).
- You are now ready to light your Chad-O-Chef appliance.

Note: Upon initial light-up of the appliance, some fumes may be emitted from the unit. This is normal and should discontinue within a few hours of normal operation.

LIGHTING THE APPLIANCE

WARNING: If at any time during the lighting process, or during use, you smell gas, immediately turn the Control Knob to the OFF position and isolate the gas supply shutoff valve. Do not use the appliance until it has been checked for gas leaks by a gas installer.

The Outdoor Firepit includes an IGNITER & CONTROL VALVE



Figure D - Control Valve

1. Open all gas shutoff valve/s that supply gas to the appliance.
2. Depress and rotate the CONTROL VALVE knob counterclockwise to the first small flame position, keeping the knob depressed.
3. After 5 seconds, depress the IGNITER button repeatedly until the burner alights.
4. Keep the CONTROL VALVE knob depressed for a further 10 seconds before releasing it. After releasing, the burner must remain lit. The flame size can now be adjusted using the CONTROL VALVE.
5. Should the burner not remain lit after releasing the CONTROL VALVE, rotate the CONTROL VALVE to the OFF position and repeat steps 2 – 4 above.

TURNING OFF THE APPLIANCE

1. To turn the appliance off, rotate the CONTROL VALVE clockwise to the OFF position.
2. Close all gas shutoff valve/s that supply gas to the appliance.

CARE & MAINTENANCE

Before undertaking any cleaning or maintenance work on this appliance, make sure that it is turned off, not hot and that the shut-off valve is closed.

Ensure that the adequate amount of Ash / Fireglass remains surrounding the burner. It is normal for soot deposits to appear on the ceramic logs. This phenomenon adds a rustic aesthetic to your firepit and should not be of concern. If the soot deposits are such that the build-up is excessive, then clean each log individually with a broom, or brush when cold. Do not use any water or oil based

cleaners, as these will penetrate the ceramic and cause irregular operation.

Your appliance is manufactured predominantly from stainless steel. As an aesthetically pleasing and very durable material, it is widely used, including for appliance manufacture. Appropriate, correct, gentle & routine cleaning of stainless steel is necessary in order to prolong its inherent corrosion-resistant nature. For a guide on how to do this effectively, visit our website:

https://chad-o-chef.co.za/chad-o-chefs-care- maintenance-guide-for-stainless-steel/

SERVICING

Servicing must be carried out by a qualified person.

Frequency of service depends on usage, but must be carried out at the first sign of malfunction and at least once in 2 years.

Spiders & insects can cause issues as they tend to occupy the smallest of apertures affecting the combustion process.

Suggested procedure for servicing:

1. Isolate the gas supply and work on a cold unit.
2. Remove the ceramic logs.
3. Remove the burner and empty the black ceramic ash into a container.
4. Clean the burner and venturi by vacuuming.
6. Inspect and clean the main jet. Check the spark gap.
7. Re-assemble the components.
8. Turn on the gas supply and perform a leak test.
10. Light the fire and check pressure settings.
11. Check the safe operation of the unit.

GUARANTEE

Chad-O-Engineering (Pty) Ltd (COC) Guarantees cover all fireplaces manufactured by Chad-O-Chef for the duration of 2 years. Ts & Cs apply.

Refer to our website for more details on what is included in your guarantee:

https://chad-o-chef.co.za/guarantees/

MANUFACTURER DETAILS

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