



Since 1983

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# CHAD-O-CHEF

*Lifestyle products*

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## OUTDOOR / VENTED GAS FIREPLACE INSTALLATION & OPERATING

### INSTRUCTION MANUAL

**Please read these instructions carefully before  
installation, and retain them for future reference**



**LP GAS  
OFF 400**

These appliances conform to the requirements of SANS 1539:2017

LPGSA Permit Number:

Model OFF400:

Permit No: xxxx-xx/x-xxx-xx-x

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

## This Outdoor Firepit is intended for Outdoor use ONLY

Thank you for purchasing your new CHAD-O-CHEF Gas Firepit manufactured to high standards and tested for compliance with SANS 1539:2017

**The manufacturer and /or its agents and distributors will not be held responsible for injuries or damages caused by faulty or incorrect installation or use of the appliance.**

1. This firepit provides radiant heat both efficiently and safely.  
**This appliance consumes oxygen when in use and it is important that it is only used in a well ventilated area, for the efficient performance of the appliance and for the safety of the occupants of the area.**
2. This unit is designed to provide sufficient heating in a well ventilated outdoor setting,
3. **DO NOT** install the Outdoor Firepit Burner indoors or without adequate ventilation and fume extraction outdoors.
4. **This appliance may only be installed by a registered LP Gas installer and must comply with the installation requirements of SANS 10087-1.** Ask to be shown the installer's card with his registration number, before allowing the installation work to commence and make a note of his QCC number. Upon completion of the installation, the installer is required to explain the operational details of the appliance together with the safety instructions. You will be asked to sign acceptance of the installation and be provided with a completion certificate. You should only sign for acceptance of installation, upon commitment from the installer, that it complies with SANS 10087-1 and is to your satisfaction.  
**Note that if the guarantee card is not signed by yourself and the installer and returned to the manufacturer, the product guarantee is invalid.**
5. On initial light-up of your new fireplace, the "newness" will burn off within the first few hours of operation. During this period some smoke may be emitted from the unit, this should be no cause for concern, as the area should be well ventilated.
6. Humidity levels will rise with the use of your fireplace, but with the usual dryness of winter, it will surely be welcomed.

# SPECIFICATIONS

Model	OFF400
Gas type	LPG
Operating pressure	2,8kPa
Min Regulator size to comply with SANS 1237	4 kg/hr
Max. gas consumption	0.82 kg/hr
Max. mJ input	41 mJ/hr
Max. kW input	11.4 kW/h
Gas inlet connection	Ø8mm compression
Ignition	Piezo Spark
Oxygen depletion system ( Pilot )	ODS min 18,5% O <sub>2</sub>
Ceramic Ash	2kg
Gas Logs	5

**\*A permanently ventilated area is required for the safe installation of this unit**

# INSTALLATION REQUIREMENTS

Your OFF400 Fireplace is designed to **replace old wood and coal firepits, with the ease of use of LP Gas.**

## **Choosing a site:**

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 passage ways, as excessive wind could affect the correct working of the firepit.

## **Clearances to combustible materials:**

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, should fall into the same category.

Min clearance to the sides for wood	800 mm
Min clearance to the sides for fabric	1500 mm
Min clearance to the ceiling	1500 mm
Min clearance to a floor ( including carpet )	300 mm
Min clearance to combustible furniture in front	1500mm

**A steel or masonry construction may be fitted underneath the firepit** but under no circumstances should any electrical equipment such as plasma screen TV sets be positioned above the unit. Any ornaments positioned above the fireplace must be able to withstand the elevated temperatures and moisture. No combustible materials whatsoever must be used or placed above the fireplace.

# INSTALLATION INSTRUCTIONS FOR QUALIFIED GAS INSTALLER

## Unpacking

- Carefully undo strapping to separate loose parts and remove all plastic protective sheeting.
- Confirm that all components for the firepit are present, and accounted for.

## Positioning and Sizing

Build up a masonry or steel platform to the customers design, with a suitable space to drop the firepit into, so that it rests on the surrounding rim.

Provide ventilation underneath the platform for the primary air to the burner, by means of a hole, with a minimum size of 100mm<sup>2</sup>.

## Connect up according to SANS 10087-1

Connect a copper pipe from the gas bottle via a regulator complying with SANS 1237, to the Ø8 compression fitting on the control valve, taking into account the distance from the gas tank, to calculate the size of the copper pipe.

## Setting up

1. Insert the burner with the venturi facing the gas jet.
2. Fill the burner with the special black radiant Ceramic Ash or Fireglass.
3. Spread the Ceramic Ash or Fireglass evenly around the burner.  
**NOTE:** Should the burner become dislodged, replace it making sure that it rests flat on the lip of the designated platform, without any gaps between it and the plate.
4. Place **Gas Logs** in a tee-pee pattern with large hollow centre, or, in a hash(#) pattern, spread across the burner evenly, allowing for about 50mm gaps between layers.

**Use only the number of Ceramic Ash and Gas Logs, or Fireglass supplied.**

## Testing and Commissioning

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

Ensure that the **WORKING PRESSURE is 2,8 kPa at the control valve.**

*\*See checklist for more detail*

## Briefing the customer

All instructions must be handed over to the user for safekeeping. Instruct the customer how to turn the gas on and off and how to light and control the fire. After commissioning the unit the customer should be instructed on the safe use of it and the need for regular servicing. Frequency of service depends on usage, but must be carried out at the first sign of malfunction and at least once in 2 years.

# OUTDOOR FIREPIT: OPERATING INSTRUCTIONS

The Outdoor Firepit Valve opens manually to allow gas through to the burner.

1. Open any Shut-Off valves in the gas line, leading up to the Control Box.
2. Depress and Turn the ON/OFF VALVE counter-clockwise until first stop, and keep the knob depressed.
3. Wait for 5 seconds before depressing the IGNITOR Button, and keep the ON/OFF knob depressed.
4. If the pilot is extinguished during use, turn OFF the ON/OFF VALVE for 1 minute before repeating the ignition procedure several more times before consulting your Gas Installer.
5. To turn the Outdoor Firepit Burner OFF, simply turn the main ON/OFF valve clockwise at the control box to "OFF".

(This will extinguish both the main burner and the pilot burner.)

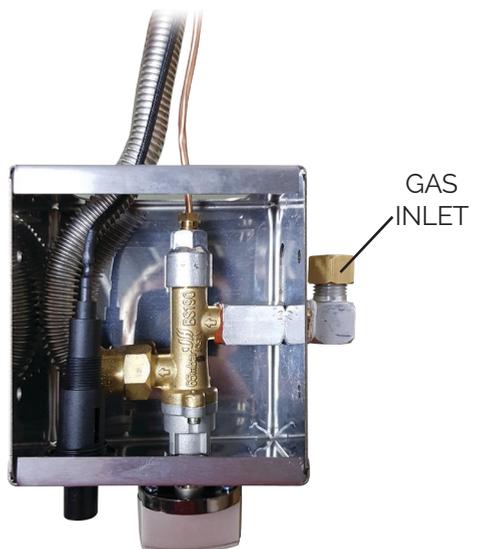


## OUTDOOR FIREPIT VALVE: PRESSURE TESTING

1. A "Pressure Test Tee" needs to be fitted in the line just before the main inlet of the Control Box. (As depicted below)
2. Adjust line pressure to correct working pressure, whilst fire is set to "High".

The pressure should be according to the data set out in the SPECIFICATIONS. The fireplace is factory set to work at these pressures and any significant variation could indicate a supply problem.

If the pressure is too high or too low, then check the inlet pressure, by the above procedure.



# CHECKLIST FOR GAS INSTALLER

Before calling the manufacturer, ensure that all the checkpoints below conform. Refer to the latest SANS 1539:2017 Annex A ,C & E

- Check there is gas in the gas bottle (if bottle is nearing empty change over to new bottle)
- Check that the inlet working pressure is 2.8 kPa. **If not correct:**
  - Check that the supply pipe is the correct diameter for the distance covered.
  - Check that the regulator is functioning correctly, and not "humming".
- The burner must be correctly positioned and sitting flush on the bottom plate.
- Check that the gas jet is centrally aligned with the burner venturi.
- Check for spider webs in the venturi.
- The **black** ceramic ash supplied with the Chad-O-Chef firepit must be placed **inside** the burner.
- Ensure that the number of Gas Logs placed on the firepit is correct, as supplied by Chad-O-Chef.
- DO NOT** use more Ceramic Ash or Gas Logs than recommended and supplied. (See Page 3)
- Ensure that there is adequate ventilation for the Firepit (See Page 2)

## CAUTION

Do not tamper with jets, burners or regulator settings. NEVER MODIFY OR ADAPT CHAD-O-CHEF PRODUCTS TO WORK DIFFERENTLY.

CHAD-O-CHEF products are preset and tested to function efficiently and are approved by the LPGSA.

Should a burn back occur, i.e. the jet catching alight at the entry to the burner with a noticeable loud rushing sound: Turn the gas off immediately and relight after 1 min. If condition persists, contact your gas installer.

Should a leak in the gas be detected, turn off the gas at the gas cylinder, and contact your installer immediately.

Should there be an unexplained shutdown, which could be the result of insufficient oxygen in the burner, shut off the gas supply, then wait 3-5 min before attempting to restart. If condition persists, contact your gas installer.

## WARNINGS

### **WARNING**

This Outdoor Firepit must **NEVER** be installed Indoors

### **WARNING**

### **CARBON MONOXIDE POISONING**

**CAN LEAD TO DEATH**

Carbon monoxide poisoning: Early signs of carbon monoxide poisoning resemble the flu, with headaches, dizziness or nausea. If you have these signs, the heater may not be working properly. Get fresh air at once. Have the heater serviced. Some people are more affected by carbon monoxide than others. These include pregnant women, people with heart or lung disease or anemia, those under the influence of alcohol, and those at high altitudes.

## CLEANING

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 burning of the firepit.**

The surrounding fascia may be cleaned with any good stainless steel cleaner, whilst a damp cloth should clean any other surfaces.

## SERVICING

**\*Servicing must be carried out by a qualified gas installer.**

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 are the biggest pests, because they tend to occupy the smallest of holes which will be in the burner venturi or the pilot air holes. If spiders are a problem in the home, have your fireplace serviced just before the new season begins.

### **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.
5. Inspect the Pilot and clean the airways. Check the spark gap.
6. Inspect and clean the main jet
7. Re-assemble the components.
8. Turn on the gas supply and perform a leak test.
9. Check pilot and burner for good ignition.
10. Light the fire and check pressure settings.
11. Check the safe operation of the unit.





**CHAD-O-CHEF**  
*Lifestyle products*



## Guarantee Claim Form

Chad-O-Engineering(Pty)LTD  
Reg. No: 2002/023412/07  
Vat Reg No: 4690123031

Tel: +27 11 668 1910 | Fax: 086 612 5431  
email: sales@chad-o-chef.co.za  
www.chad-o-chef.co.za

PO Box 986  
Honeydew,  
2040 South Africa  
229 Short Road, Muldersdrift 1717

The Guarantee given by Chad-O-Engineering (Pty) Ltd covers the working components, on all Chad-O-Chef Fireplaces for the period of 2 Years, covering manufacturing defects caused in the manufacturing process. This does not cover component malfunction if the product is not installed by a registered Gas Installer, or the product is modified after leaving the factory.

Chad-O-Engineering (Pty) Ltd will not be held responsible in the event of rust or fatigue of components due to incorrect cleaning of the product.

Product Name: \_\_\_\_\_

Invoice No: \_\_\_\_\_

Serial No: \_\_\_\_\_

Describe the fault:  
\_\_\_\_\_  
\_\_\_\_\_

Contact Details:  
\_\_\_\_\_  
\_\_\_\_\_

Please attach a copy of the Gas Installation certificate and email to: [services@chad-o-chef.co.za](mailto:services@chad-o-chef.co.za)