

Training Manual :

ALVA Outdoor Patio Heaters



SPECIFICATIONS

Model	ALVA GHP14
Type of Gas	LPG
Operating pressure	2.8kPa
Injector size	Identification marked
Gas Consumption	870gr/hr at MAX
Heat output	9000 - 43000 BTU /13kW

SPECIFICATIONS

Model	ALVA GHP16
Type of Gas	LPG
Operating pressure	2.8kPa
Injector size	Identification marked
Gas Consumption	870gr/hr at MAX
Heat output	9000 - 43000 BTU /13kW



SPECIFICATIONS

Model	ALVA GHP10
Type of Gas	LPG
Operating pressure	2.8kPa
Injector size	Identification marked
Gas Consumption	870gr/hr at MAX
Heat output	9000 - 43000 BTU /13kW



Training Manual :

ALVA Outdoor Patio Heaters



SPECIFICATIONS

Model	ALVA GHP08
Type of Gas	LPG
Operating pressure	2.8kPa
Injector size	Identification marked
Gas Consumption	870gr/hr at MAX
Heat output	9000 - 43000 BTU / 13kW

SPECIFICATIONS

Model	ALVA GHP07
Type of Gas	LPG
Operating pressure	2.8kPa
Injector size	Identification marked
Gas Consumption	870gr/hr at MAX
Heat output	9000 - 43000 BTU / 13kW



SPECIFICATIONS

Model	ALVA GHP01
Type of Gas	LPG
Operating pressure	2.8kPa
Injector size	Identification marked
Gas Consumption	870gr/hr at MAX
Heat output	9000 - 43000 BTU / 13kW



Contact Details:

CUSTOMER CARE LINE: 086 100 (ALVA) 2582

e-mail: info@stingray.co.za



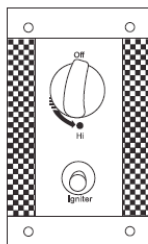
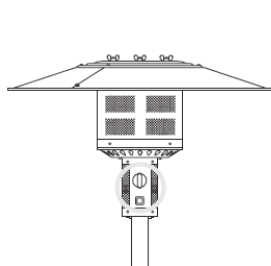
Features & Benefits Of Owning An ALVA Patio Heater:

- | | |
|---|---|
| <ul style="list-style-type: none">* LPGSASA Approved* Safe & Easy To Use* Spares Readily Available* Variable Heat Control* Instant, Powerful Heat* Economical To Run* Positive Off - Heater Can Be Switched Off At Control Knob | <ul style="list-style-type: none">* Tilt switch - If heater falls over it automatically cuts off the flow of gas* Flame Failure Safety Device That Shuts The Gas Flow Off Completely If Pilot Flame Dies |
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Patio Heater FAQ's:

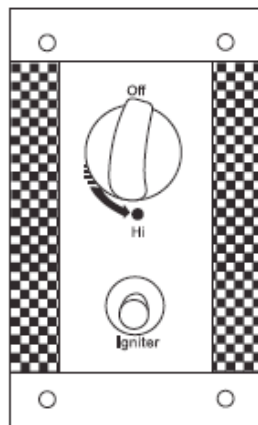
Q: What is a flame failure protection device?

A: If the pilot flame dies, the thermocouple system will cool down instantly. The sensor will close the electromagnetic valve cutting the gas flow off. This will stop the gas from flowing through the system, turning the heater off.



Q: What is a positive off switch?

A: A positive off switch enables the user to switch the appliance off without having to close the valve on the cylinder (**like a stove or BBQ**).



Q: How long is the heater supposed to burn for?

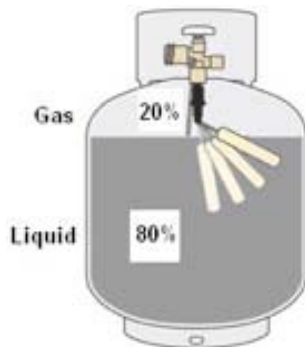
A: Refer to your instruction manual or technical data sticker on the back of your heater. It will supply the g/h (**grams per hour**) consumption. Take the weight of your gas cylinder e.g. (**9kg = 9000g**) and divide it by the g/h of your appliance. The total you get will be the maximum amount of hours the appliance will be able to burn for. (**eg. 9000g / 870g/h = 10hrs at max**)

Patio Heater FAQ's: (continued...)

Q: Can a cylinder be overfilled?

A: Yes. Cylinders should only be filled to 80% of the cylinder capacity. This allows for gas expansion/vaporization in the remaining 20% space.

If the cylinder is filled to the top, and then warmed, the liquid will expand and the cylinder can burst open. This is very dangerous and could cause serious damage and probable injury. It should therefore be kept away from extreme heat. Over-filling also causes issues with a gas appliance not functioning correctly as liquid gas is being pumped into the regulator, blocking it up.



Q: Can I see if the cylinder is over-filled?

A: The cylinder neck contains information on the weight of the cylinder. The tare weight (**TW**) is the weight of an empty cylinder. Add the tare weight to the capacity of the cylinder (e.g. **TW – 9.2 and capacity 9 = 18.2kg**) and weigh it. If it exceeds the total weight, then your unit is over-filled. In such an instance, the cylinder must be returned to the re-filling station. Users are no longer allowed to purge the excess gas themselves.

GAS CYLINDER:

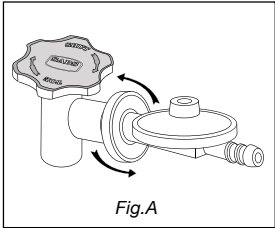
- A 9kg ALVA gas cylinder with a 5/8 inch BSP left hand thread is recommended.
- This matches the supplied regulator.
- Cylinders must be stored in an upright position, in a well ventilated and damp free area and out of reach of children.
- The cylinder must never be stored where temperatures can reach or exceed 50°C.
- DO NOT store the cylinder near open flames, pilot lights or any other sources of ignition.
- DO NOT SMOKE WHILE HANDLING THE CYLINDER.



A 9kg ALVA gas cylinder



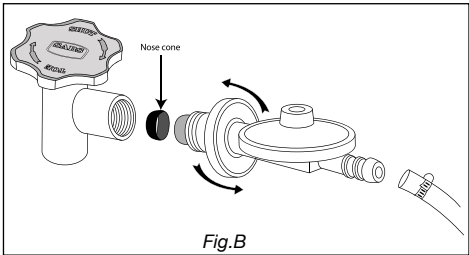
Patio Heater Set Up:



This heater makes use of an industrial cylinder (9kg cylinder recommended) with a 5/8" BSP thread; horizontal exit valve. The Bullnose regulator supplied with the heater tightens to the left hand side (anti-clockwise). **(Figure A)**

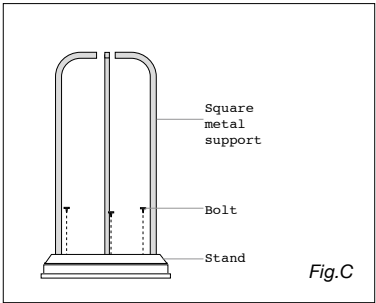
If you have bought a new gas cylinder, the cylinder needs to be purged (cleared out), before it's first use. If it is not purged of air, the heater will not work properly. This should

happen at the gas filling station when you fill up the cylinder. Always check this with your gas supplier.

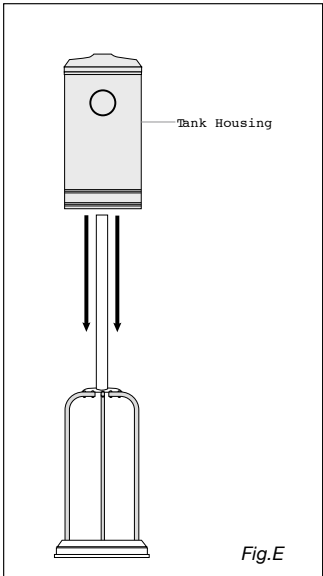
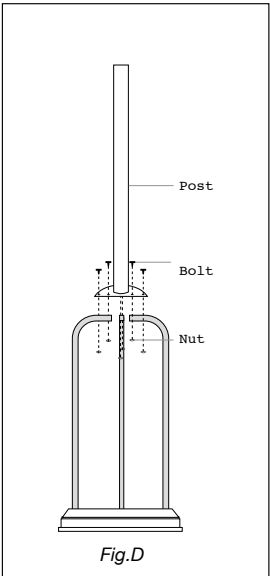


1. Advise customers to be sure that this is the product they need before opening and removing the heater from the packaging.
2. Assemble the unit.
3. Check if the nose cone is present, secure and in good condition. **(Figure B)**

4. Place the 3 post brackets into position on the base. Use three M8 x 16mm bolts to join the post brackets to the stand. **(Figure C)**
5. Place the post on top of the 3 post brackets. Use six M6 x 35mm bolts and nuts to connect the post to three post brackets. Tighten the bolts and nuts. **(Figure D)**
6. Place the tank housing on the stand. (Figure E)

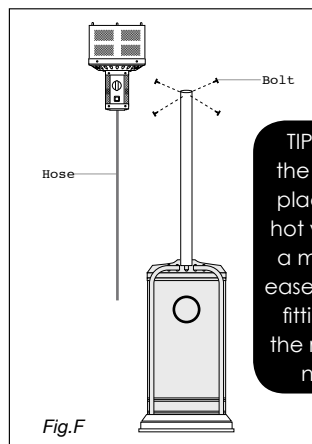


7. Take the burner head with the hose already attached and feed the hose through the post. Fix the completed burner unit to the post using four M6 x 10mm bolts; ensure the "Heater Operation Label" faces the same way as the gas controls.

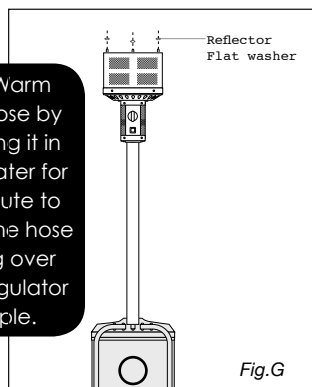


Heater Set Up (Contd.):

7. Attach the supplied regulator to the hose end. **(Figure F)**

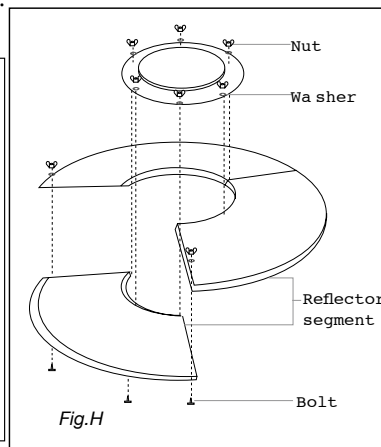


8. Tighten all loose nuts and bolts. Place a 8mm washer on each reflector support bolt. **(Figure G)**



TIP: Warm the hose by placing it in hot water for a minute to ease the hose fitting over the regulator nipple.

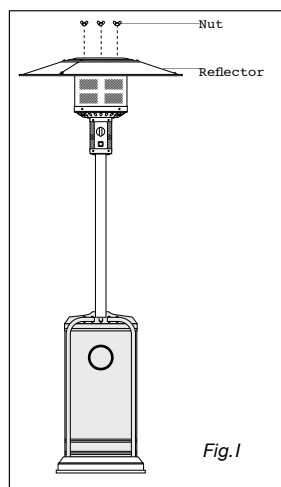
9. Assemble the 4 piece reflector according to **Figure H**.



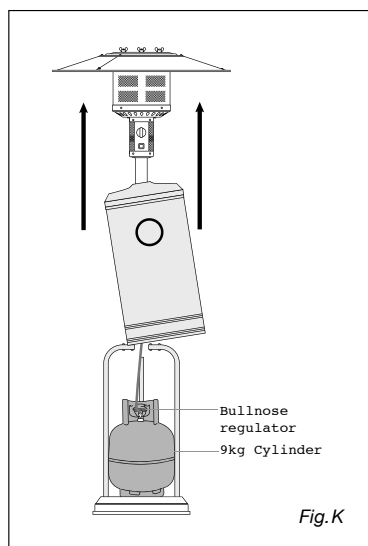
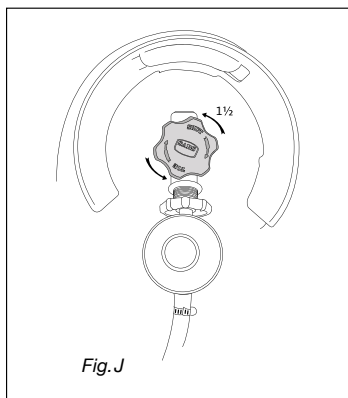
9. Fasten the reflector with three washers and three M8 x 8mm castle nuts. **(Figure I)**

10.

Lift up the tank housing and rest it on the post plate. Screw the regulator into the cylinder valve. **DO NOT** use a tool to tighten the regulator; it is to be hand-tightened only. Open the cylinder valve $1\frac{1}{2}$ turns to the left (**anti-clockwise**). **(Figure J)** Put LPG gas tank on the stand. **(Figure K)**

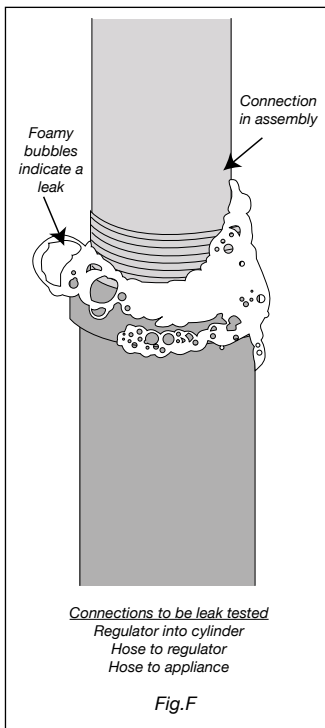


11. Perform the leak test.



Leak Test:

The leak test must be carried out in a well-ventilated area, free from any flames or other sources of ignition.



1. With the cylinder connected to the heater. Open the cylinder valve.
2. Brush the connections (heater to cylinder) with a solution of equal parts soap and water (make sure it's foamy).
3. A stream of bubbles forming indicates a gas leak. (See Fig.F)
4. If bubbles appear, turn the cylinder valve OFF (clockwise) and disconnect the heater from the gas cylinder.
5. Tighten the connection and retry the leak test.
6. If you are unsure or if you cannot tighten the connection, place the cylinder outside in a cool, well-ventilated area and contact ALVA on 086 100 (ALVA) 2582.
7. A leak between the heater and cylinder can lead to a high pressure fire, which is very dangerous and can result in extensive injury or even death.



Using Your Patio Heater:



1. Check all the connections prior to each use.
2. Turn the gas control knob to the OFF position.
3. Open the gas cylinder valve 1½ turns (anti-clockwise).
4. Gently push in the control knob on the heater and turn it to the HI position.
5. Keeping the control knob pushed in, press the igniter button. The burner will light. Keep the knob depressed for another 10 seconds to allow the flame failure safety device to activate.
6. Once the burner burns with a steady flame, select your required heat setting.
7. When lighting the heater the first time, you may have to keep the control knob depressed a little longer to allow any air in the system to clear.
8. If the heater does not ignite the first time, wait for 5 minutes and repeat the lighting instructions. If you still experience ignition problems, contact 086 100 ALVA (2582) for assistance.

This heater must be turned off using the control knob first and only then closing the cylinder valve.

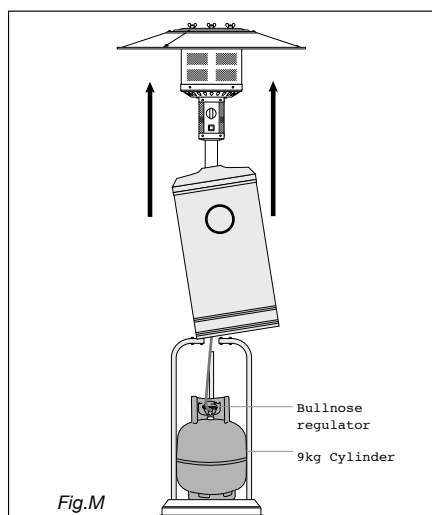
This heater has a positive OFF valve. Use the control knob to turn it OFF before closing the cylinder valve.

Changing The Cylinder:

Make sure your cylinder valve is closed (by turning it clockwise). Allow the heater to fully cool before replacing the cylinder. Lift up the tank housing and tilting it so that the tank housing support holds the tank housing up, exposing the cylinder fully. Allowing you to access and replace the cylinder. (Figure M) Remove and replace the cylinder.

ALWAYS check that the regulator-sealing washer (nose cone) is intact and in place before reattaching the regulator to a cylinder.

DO NOT attempt to remove the regulator while the heater is on or if the cylinder valve is not closed.



Maintenance:

- a) Always make sure the heater is OFF and cool, with the cylinder valve closed, before conducting any maintenance.
- b) Your heater should be checked once a year by a qualified technician. If faults are suspected or detected, stop using the heater and contact ALVA.
- c) Clean the exterior and storage area of your heater when required to remove dust.
- d) DO NOT use abrasive products to clean the heater; these may damage the paint work.
- e) Check the burner and remove any debris, dirt, spider webs or wasp nests from the burner ports by using compressed air or a pipe cleaner.
- f) DO NOT clean the burner with water or tamper with the jets.
If a jet is blocked it must be replaced with an original manufacturer marked jet.
- g) Replace parts and allow the heater to dry properly before storing.
- h) If the gas control or ignitor is exposed to water or gets wet, dry it properly before attempting to light the heater. You might have to replace the parts if the heater does not ignite.
- i) The airflow must not be obstructed. Keep the controls and burner passage clean.
- j) Clean with a soft brush or blow clean with compressed air.
- k) Your heater should be checked once a year by a qualified technician.
Take special care to retighten any fixtures or nuts and bolts that have come loose.

Signs of a blockage:

- 1. Gas odour with extreme yellow tipping of the flame
- 2. Heater does not reach the desired temperature
- 3. Heater glow is excessively uneven
- 4. Heater making popping sounds
- 5. Heater 'Flashes back' in burner tube

Important Safety Information:

- For outdoor use only.
- For use with Liquefied Petroleum Gas only.
- DO NOT use within 1m of any flammable surfaces.
- Always turn OFF the gas supply at the cylinder after use.
- DO NOT store flammable materials or other cylinders near the heater.



12 Month Peace Of Mind Repair Warranty:

- ALVA Patio Heaters are warranted to the original purchaser to be free of defects in workmanship and materials for a period of 12 months from the date of purchase.
- The retailer, distributor, or manufacturer will not be liable for incidental or consequential damage, or loss as a result of the installation and/or operation of this product.
- These patio heaters are manufactured from power coated mild steel. If it is not cared for and maintained correctly corrosion can and will occur. This is considered normal wear and tear and is not warranted.
- Modifying or tampering with any part of the BBQ is illegal and unsafe and will void your warranty.

The BBQ should be serviced annually by a competent registered person.

How Our Service Dept. Attends To Calls Logged:

- If a customer contacts our call centre they will speak to one of our highly trained customer service staff, who will troubleshoot their problem over the phone with them.
- If they are unable to successfully solve the problem telephonically, the customers details are taken and a highly trained ALVA technician is despatched to their premises.
- If the problem is covered under the warranty for that product, then there is no cost to the client for the callout and repair work.
- If the problem is not covered under the product warranty, then the customer is liable for the cost of labour and parts.

Contact Details:

ALVA: 086 100 (ALVA) 2582

OR email: info@stingray.co.za

