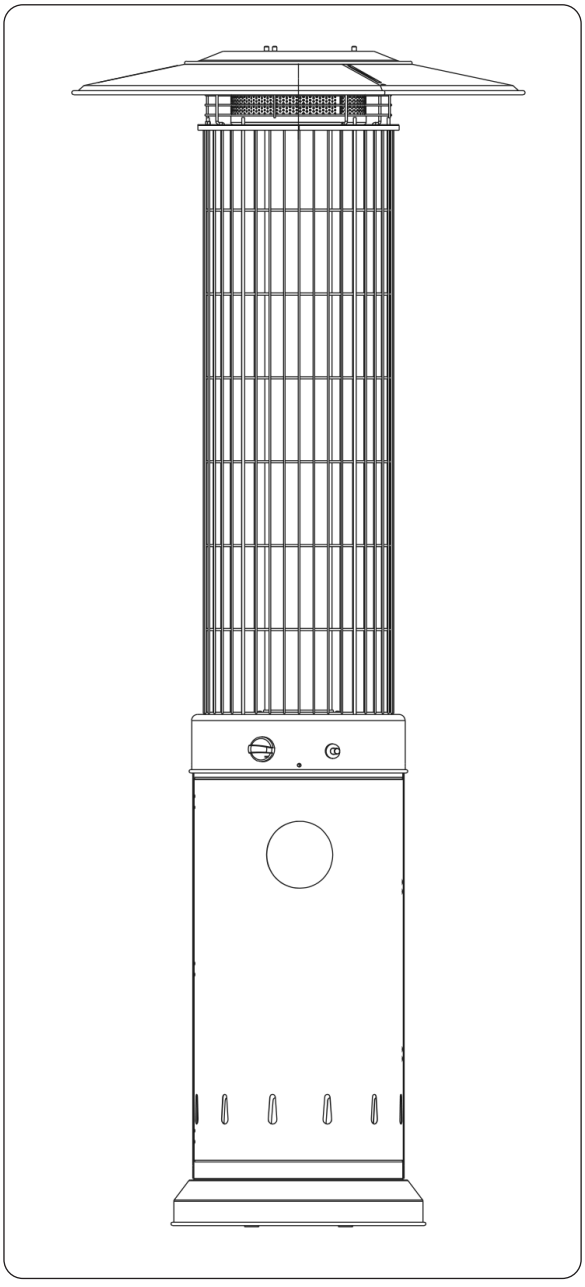
Dellonda Freestanding Gas Patio Heater for Commercial & Domestic Use 13kW, Black



Model No. DG124

Thank you for purchasing a Dellonda product. Manufactured to a high standard, this product will, if used according to these instructions, and properly maintained, give you years of trouble free performance.

Important Information

Please read these instructions carefully. Note the safe operational requirements, warnings & cautions. Use the product correctly and with care for the purpose for which it is intended. Failure to do so may cause damage and/or personal injury and will invalidate the warranty. Keep these instructions safe for future use.

Refer to instruction manual

Wear protective gloves

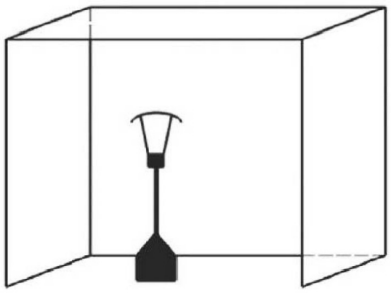


Fig. 1

About the Product

Innovative design of gas flame spiral style patio heater. Contemporary freestanding patio heater ideal for both commercial and domestic settings including restaurant and pub gardens, open workshops, boat yards, patios, forecourts and terraces. Standing at 2.1m tall, when lit the heater produces a real flame encompassed by a glass tube and heats the surrounding area. Metal reflector makes sure heat is directed downwards and outwards. Variable heat output controls make it fully adjustable. Features a fully enclosed gas cylinder chamber and safety tip-over switch. Supplied with regulator and hose assembly for use with propane patio gas bottles. Some assembly is required. For outdoor use only.

- **SPECIFICATION**
- **Model no:** **DG124**
- Fuel consumption: 945g/hr
- Fuel: ..... Propane
- Hearted area: 8m²
- Output: 13kW
- Dimensions (W x H): ..... 810 x 2110mm
- Maximum gas bottle size (W x H): ..... Ø325 x 690mm

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Model No. DG124

SPECIFICATION	
Appliance Category:	I3 + (28-30/37)
Gas Type:	Propane
Gas Pressure:	37mbar
Outlet Pressure Regulator:	37mbar
Total Heat Input:	13kW (945g/hr)
Country of Destination:	AT, BE, BG, HR, CY, CZ, DK, EE, FI, FR, DE, GR, HU, IS, IE, IT, LV, LI, LT, LU, MT, NO, PL, PT, RO, SK, SI, ES, SE, CH, TR, GB, NL
Nett Weight:	18kg

UK CA CE 0063

S/N:

www.dellonda.co.uk

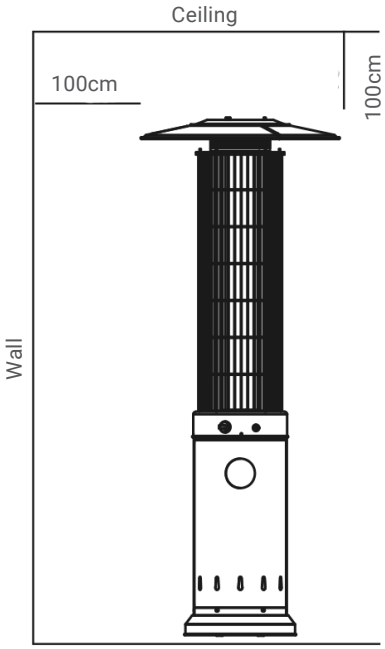
Safety Instructions

- Read the installation, operating and maintenance instructions thoroughly before installing or using this equipment.
- If there is a smell of gas: shut off the gas to the appliance, extinguish any open flames. If odour continues contact gas supplier.
- **DO NOT** store or use petrol or other flammable substances inside the housing of the heater.
- **DO NOT** store or use petrol or other flammable liquids or gases in the vicinity of the heater.
- **DO NOT** store a gas cylinder that is not connected for use in the vicinity of this or any other appliance.
- **WARNING**! **DO NOT** use indoors. For use outdoors or in amply ventilated areas.
- An amply ventilated area is one that has a minimum of 25% of the surface area open, see fig.1. (The surface area is the sum of the wall surface.)
- **WARNING**! Not intended to be installed in recreational vehicles and/or boats.
- **WARNING**! Improper installation, adjustment, alteration, service or maintenance can cause injury or property damage.
- Installation and repair must be carried out by a qualified person.
- **DO NOT** attempt to alter in any way.
- This product must be installed and the gas cylinder stored in accordance with the local regulations in force.
- **DO NOT** obstruct the ventilation holes of the cylinder housing.
- **DO NOT** move/transport the appliance when in operation. Shut off the gas cylinder at the regulator before moving.
- **DO NOT** move/transport the heater until it has cooled down.
- Use only the type of gas and the type of cylinder specified by the manufacturer.
- The **LP** cylinder used with the patio heater must meet the following size requirements: Diameter 31.8cm x height 58cm, 15kg maximum capacity.
- In case of violent wind precautions must be taken against tilting of the appliance.
- Only use on level ground, capable of supporting the weight of the heater and the gas cylinder.
- **DO NOT** connect the gas cylinder directly to the appliance without a regulator. Use only the type of gas specified in the instructions.
- The whole gas system (hose, regulator, pilot or burner) should be inspected for leaks or damage before use and at least annually, by a suitably qualified person.
- All leak testing should be done with an appropriate gas leak detection/soap solution. Never use an open flame to check for leaks.
- **DO NOT** use the heater until all connections have been leak tested.

- Turn off the gas immediately if a gas smell is detected. Turn cylinder valve **OFF**. If the leak is at the hose/regulator connection tighten the connection and perform another leak test. If bubbles continue appearing contact your supplier. If the leak is at the regulator/cylinder connection disconnect from cylinder, reconnect and perform another leak check. If soap bubbles are still seen, cylinder valve is defective. Return cylinder to its place of purchase.
- Keep the ventilation opening of the cylinder enclosure free and clear of debris.
- **DO NOT** paint the radiant screen, control panel or top canopy reflector.
- Control compartment, burner and circulation air passageways of the heater must be kept clean.
- Turn off gas whilst not in use.
- **LP** regulator/hose assembly must be a protected from accidental damage.
- Any guard removed for servicing/maintenance must be replaced before operation.
- Keeps adults and children away from the high temperature surfaces, to avoid burns and ignition of clothing.
- Children should be carefully supervised when they are in the vicinity of the heater.
- **DO NOT** hang clothing or other flammable materials on the heater or place them near the heater.

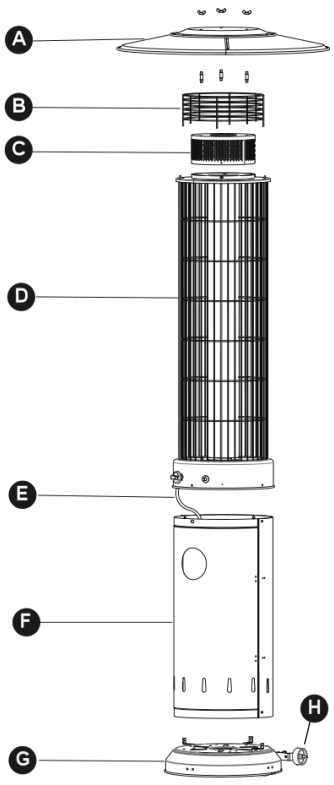
Heater Stand and Location

- The heater is primarily for outdoor use only. Always ensure that adequate fresh air ventilation is provided.
- Always maintain proper clearance to non protected combustible materials i.e. top 100cm and sides 100cm minimum.
- Heater must be placed on level firm ground.
- Never operate heater in an explosive atmosphere like in areas where gasoline or other flammable liquids or vapours are stored.
- To protect heater from strong wind, anchor the base securely to the ground with screws.
- **Gas Requirements**
- This heater is primarily designed to be used with propane gas.
- Butane gas may also be used with the appropriate regulator however butane freezes at zero degrees so will not be ideal to be used during cold temperatures.
- A dented, rusted or damaged cylinder may be hazardous and should be checked by your gas supplier before being used with this heater.
- Never connect an unregulated cylinder to the heater.

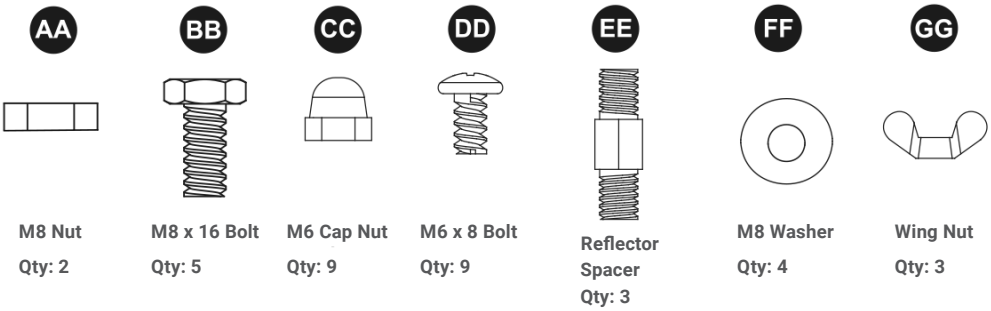


Contents

PART	DESCRIPTION	QTY
A	Reflector	1
B	Protective Guard	1
C	Top Mesh	1
D	Burner Assembly	1
E	Regulator and Hose	1
F	Cylinder Housing	1
G	Base	1
H	Wheel Assembly	1



Hardware Contents



M8 Nut
Qty: 2

M8 x 16 Bolt
Qty: 5

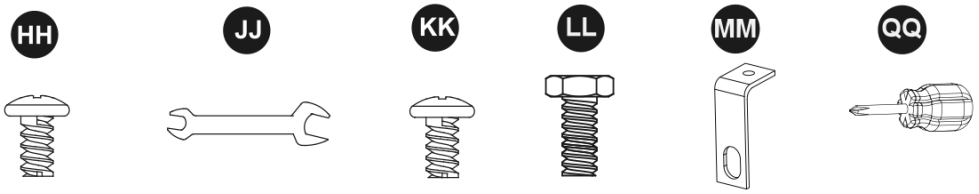
M6 Cap Nut
Qty: 9

M6 x 8 Bolt
Qty: 9

Reflector Spacer
Qty: 3

M8 Washer
Qty: 4

Wing Nut
Qty: 3



M6 x 10 Bolt
Qty: 4

Spanner
Qty: 1

3/16" Screw
Qty: 4

M6 x 10 Hex Bolt
Qty: 3

Connector Bracket
Qty: 3

Crosshead Screwdriver
Qty: 1

Assembly

- It is recommended that you connect the gas regulator hose to the regulator and the control valve within the burner unit (D) prior to assembling the unit, be careful not to damage or dislodge components in the control unit.

To assist connecting the regulator, carefully place the rubber hose into an insulated cup of boiling hot water (Fig.2). This allows the rubber hose to expand, ensure the hose clip is slid over the hose and then push the open hose end fully onto the gas regulator inlet.

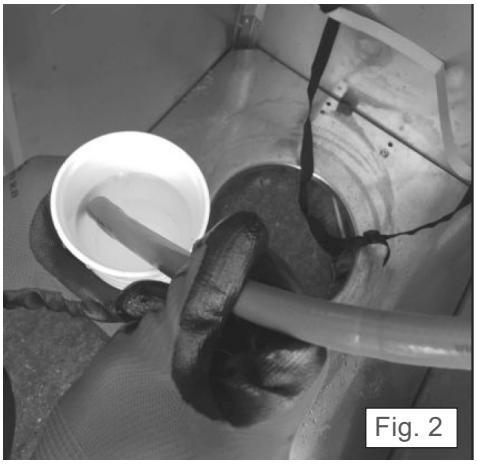


Fig. 2

After connecting the regulator, slide the hose clip back to near the end of the hose and tighten with a screwdriver (Fig.3).

NOTE: Ensure you leak test this joint as directed in section 'Leak Test' after assembly is complete and when you first connect the gas bottle.


Fig. 3

Now connect the open hose end to the control valve within the burner assembly (D), again carefully place the rubber hose end into an insulated cup of boiling hot water (Fig.2). This allows the rubber hose to expand, ensure the hose clip is slid over the hose and then push the open hose end fully onto the gas inlet on the control unit as shown in Fig. 4.

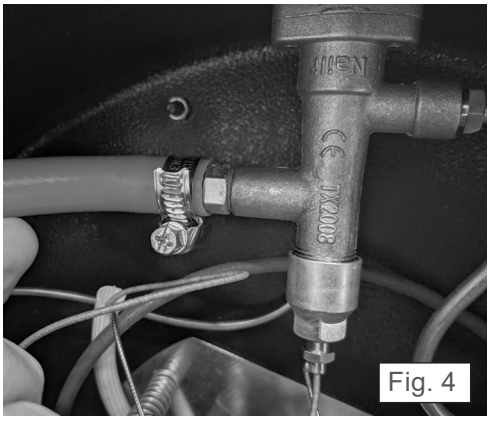


Fig. 4

After connecting the hose into the control valve in the burner assembly (D) slide the hose clip back to near the end of the hose and tighten with a screwdriver (Fig.3).

NOTE: Ensure you leak test this joint as directed in section 'Leak Test' after assembly is complete and when you first connect the gas bottle.

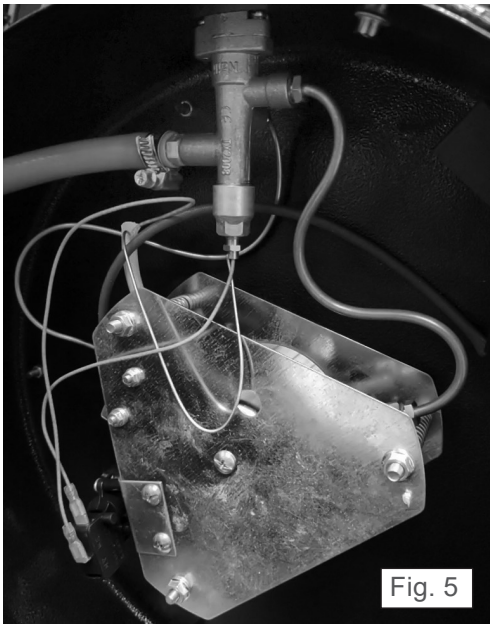


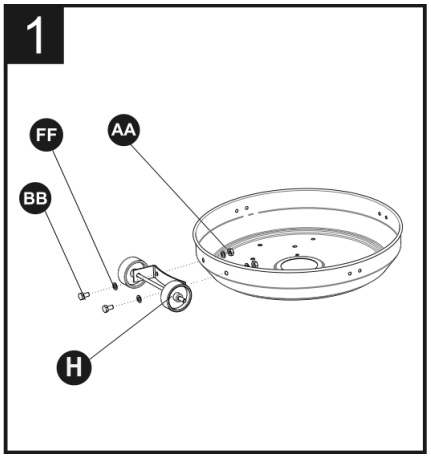
Fig. 5

- Attach the wheel assembly (H) to base. Line up the holes in the wheel bracket with corresponding holes in base, insert M8 x 16mm (**BB**) through holes, add the M8 washer (**FF**) and M8 nut (**AA**) and finger tighten. Ensure the wheel assembly is parallel to the base and fully tighten the bolts.

AA M8 Flange nut x 2

BB Bolt M8X16 x 2

FF Washer X 4

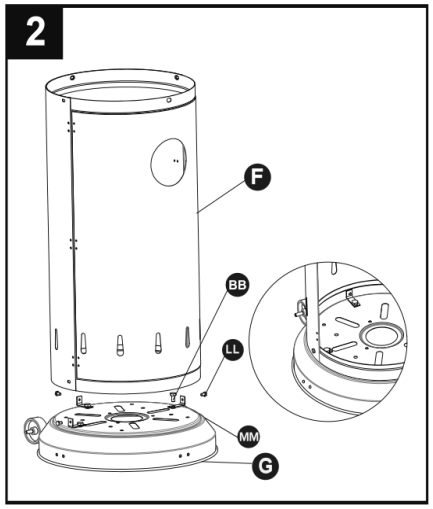


- Use the connector bracket (**MM**) and the M6 x 10 bolt (**LL**) to connect the cylinder housing (F) to the base (G) and secure with bolt M8 x 16 bolt (**BB**).

BB Bolt M8X16  x 3

LL Bolt M6 x 10  x3

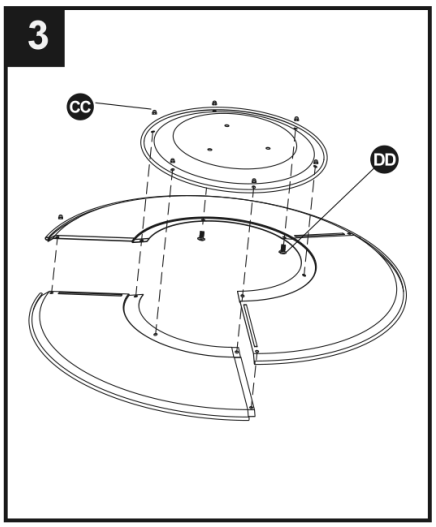
MM Connection part  x 3



- Remove the protective film from the reflector sections, Using the M6 bolts (**DD**) from the underside pass them through the reflector sections and loosely spin in the cap nuts (**CC**).
- Note: To help with the assembly it is advised that you only loosely spin the nuts on until the reflector is fully assembled, then fully tighten the bolts.

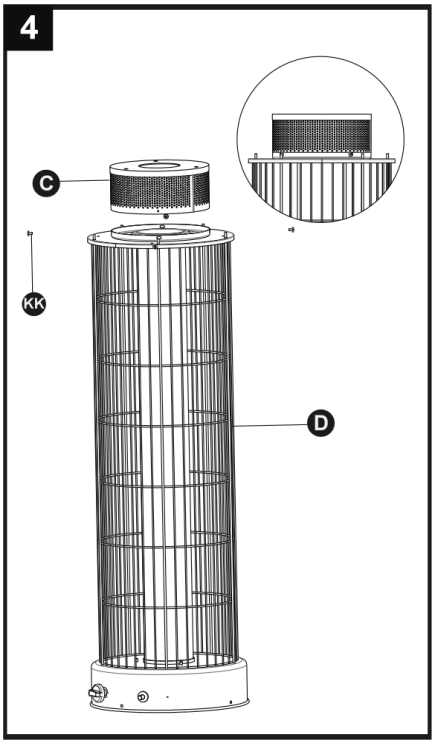
CC Cap nuts M6  x 9

DD Bolt M6 x  x 9



- Use the 3/16” screws (**KK**) to connect the Top Mesh (C) and burner assembly (D)

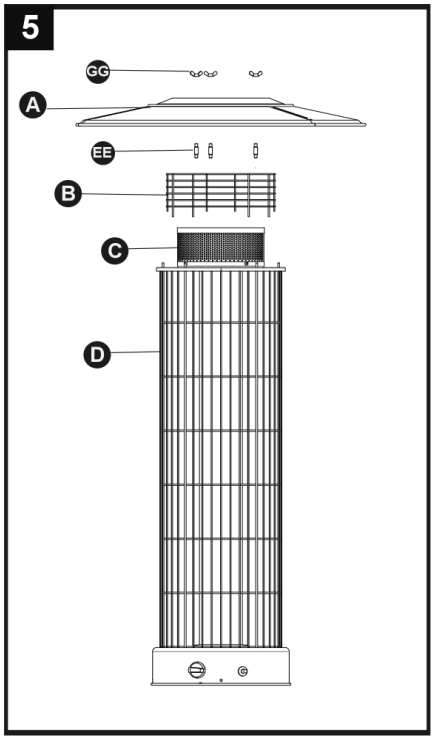
KK Screws 3/16"  x 4



- First locate the protective guard (B) into the top of the burner assembly (D), then connect the reflector assembly (A) to top mesh (C) with the reflector spacers (**EE**) and wing nuts (**GG**).

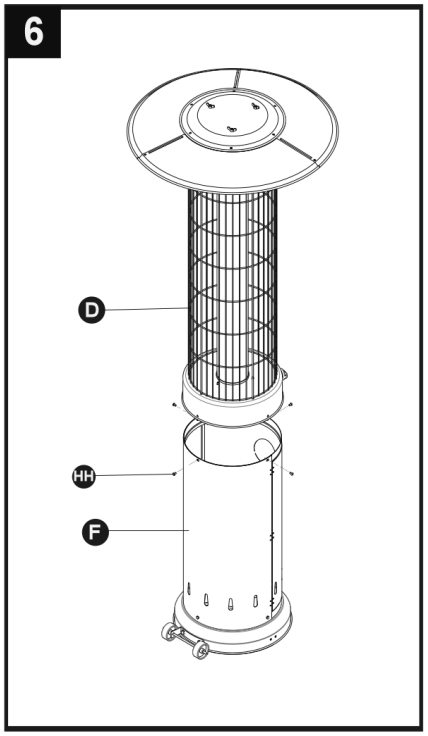
EE Reflector spacer x 3

GG Wing nut x3



- Connect the assembled upper section (based around Burner (D)) and the Cylinder Housing (F) with M6 x 10 bolts (**HH**).

HH Bolt M6 x 10 x 4



- The ignition switch must have a **AAA** battery (supplied) inserted into it. Unscrew the collar of the switch and insert a battery then re screw the switch head into place (Fig.6).

Fig. 6

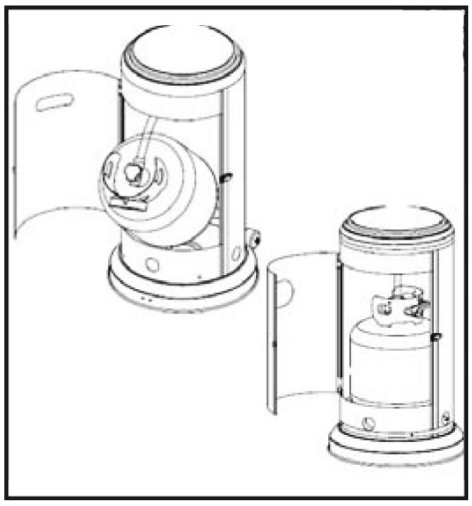
- Unscrew the button collar until it comes away from the unit. (Fig. 6.1).


Fig. 6.1

- Slide in a **AAA** battery (supplied) and re-screw the button into position. (Fig. 6.2).


Fig. 6.2

- Attach the gas regulator to the gas cylinder by positioning the regulator over the gas bottle top, press down firmly until the regulator engages and locks on the gas cylinder.
- Ensure the gas hose is not kinked, damaged, crushed or routed in a way that it comes into contact with any hot surfaces.



Gas Requirements

- Use LPG, propane and Patio gas.
- Maximum inlet pressure of propane regulator must not exceed 100psi.
- The pressure regulator and hose assembly to be used must conform to local standards codes.
- The installation must conform to local codes, or in the absence of codes, with the standard for storage and handling of liquid petroleum gases.
- Dented, rusted or damaged propane tank may be hazardous and should be checked by your cylinder supplier.
- Never use a propane tank with a damaged valve connection.
- The propane cylinder must be arranged to provide for vapour withdrawal from the operating cylinder.
- Never connect an unregulated propane cylinder to the heater.

Leak Test

- **Gas connections on the heater are leak tested at the point of manufacture prior to shipment, A complete gas tightness check must be performed at the installation site due to the possibility of mishandling in shipment or excessive pressure being applied to the heater**
- The heater should be leak tested with a full cylinder of gas.
- Make sure the safety control valve is in the **OFF** position.
- Make a soap solution of one part detergent and one part water, this solution can be applied with a spray bottle brush or rag.
- Apply the soap solution to the areas shown in the illustrations (Fig.7 & Fig.8)
- Soap bubbles will appear in the case of a leak.
- Leakage test points, see images across Fig.7 and Fig.8.
- Turn the gas supply **ON**.
- In the case of a leak turn the gas supply **OFF** immediately. Tighten any leaking fittings, turn the gas supply on and re-check. Contact your supplier for assistance if the bubbles continue to appear.
- **Never leak test while smoking.**

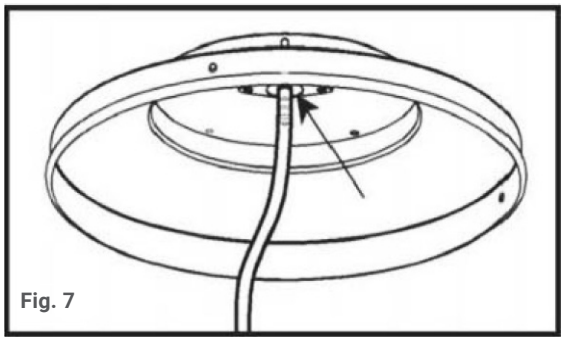


Fig. 7

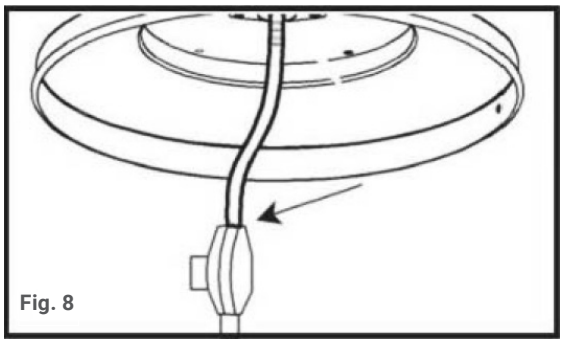


Fig. 8

Fuel Gas Odour

- Bottled gas will have an added odour specifically to help in the detection of leaks. If a leak occurs you should be able to smell the gas, As propane gas is heavier than air the smell will be more intense lower to the ground level.
- **Act immediately if you smell gas**
- **DO NOT** take any action that could ignite the fuel gas, do not operate any electrical switches. Do not disconnect or connect any power supplies or extension cables.
- Evacuate the area immediately.
- Contact the emergency services and gas supplier.

Operation

To turn the heater ON :

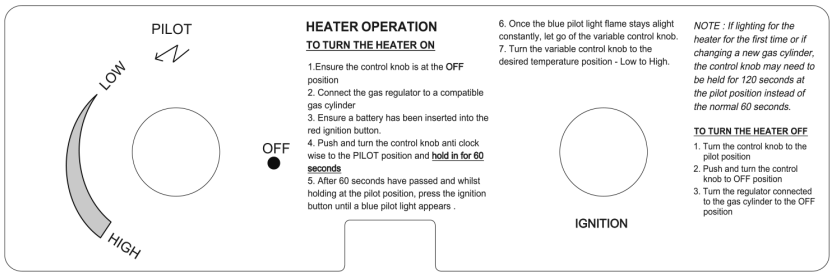
- 1) Turn the valve on the gas supply cylinder to the ON position.
- 2) Push the control knob in and turn it to the "pilot ϟ " position.
- 3) Press the "igniter ϟ " button several times to light the burner. Hold it for 30 seconds.

Note:

- The Igniter requires a **AAA** battery (supplied) to work, (see assembly section for detail)
- If a new gas cylinder has been connected, allow at least one minute for the air in the gas pipeline to purge out through the pilot hole.
- When lighting the pilot flame make sure that the variable control knob is continuously pressed in whilst trying to ignite, the variable control knob can be released when the pilot flame lights.
- The pilot light can be seen at the base of the glass column at the side of the gas burner (Fig. 9).
- If the pilot light fails to light or goes out, repeat step 3 (above)
- A 5 minute shut off is required before relighting.

To turn the heater OFF :

- 1) Turn the variable control knob to the "pilot ϟ " position.
- 2) Push the control knob in and turn it to the OFF position.
- 3) Turn the regulator connected to the gas bottle to the OFF position



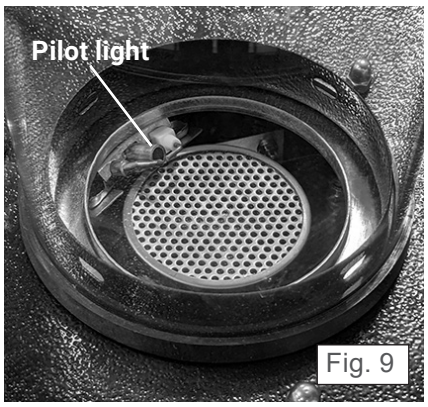


Fig. 9

Storage

- Always disconnect the gas regulator valve from the bottle when not in use.
- Always inspect and test components prior to re using any damage or deterioration of parts and hoses should be inspected and replaced by a qualified person where required.
- Always store Liquid gas cylinders and products in dry well ventilated areas, never store underground or in enclosed spaces.

Cleaning and Care

- Wipe down all painted areas with a moist cloth, avoid using strong chemicals and detergents and do not clean with products that are combustible or corrosive.
- Remove debris from the burner to keep it clean and safe for use.

Troubleshooting

PROBLEMS	PROBABLE CAUSES	SOLUTIONS
Pilot will not light	No Gas coming through to pilot	Turn the gas valve ON
	Cylinder fuel empty	Refill the LPG cylinder
	Opening blocked	Clean or Replace opening
	Air in the system	Purge air from the lines
	Loose connection	Check all fittings
Pilot will not stay on	Debris around pilot	Clean away any dirt
	Loose connections	Tighten connections
	Bad thermocouple	Replace thermocouple
	Gas leak in line	Check connections
	Lack of fuel pressure	Cylinder near empty (Refill LPG cylinder)
Burner will not light	Pressure is low	Cylinder near empty (Refill LPG cylinder)
	Opening blocked	Remove and clean
	Control not on	Turn valve to ON
	Thermocouple bad	Replace thermocouple
	Pilot light assembly bent	Place pilot properly
	Not in correct location	Position properly and retry

Environment Protection and Waste Protection and Electrical Equipment Regulations (WEEE)

Recycle unwanted packaging materials. When this product is no longer required, or has reached the end of it's useful life, please dispose of it in an environmentally friendly way. Drain any fluids (if applicable) into approved containers, in accordance with local waste regulations. It is our policy to continually improve products and we reserve the right to alter data, specifications and parts without prior notice. No liability is accepted for incorrect use of this product. Guarantee is 12 months from purchase date, proof of which is required for any claim.

Note: It is our policy to continually improve products and as such we reserve the right to alter data, specifications and component parts without prior notice.
Important: No Liability is accepted for incorrect use of this product.
Warranty: Guarantee is 12 months from purchase date, proof of which is required for any claim.

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