



PROPANE GAS PYRAMID PATIO HEATERS 13KW

MODEL NO: **DG5, DG6**

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: 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

1. SAFETY

- ✓ **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.
- ✓ Protect the product from strong wind to prevent tilting.
- ✓ 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, refer to section 6.2.
- ✗ **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 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.

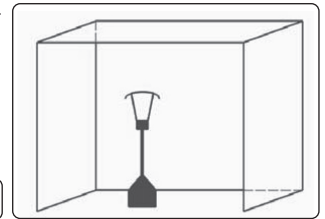


fig.1

2. INTRODUCTION

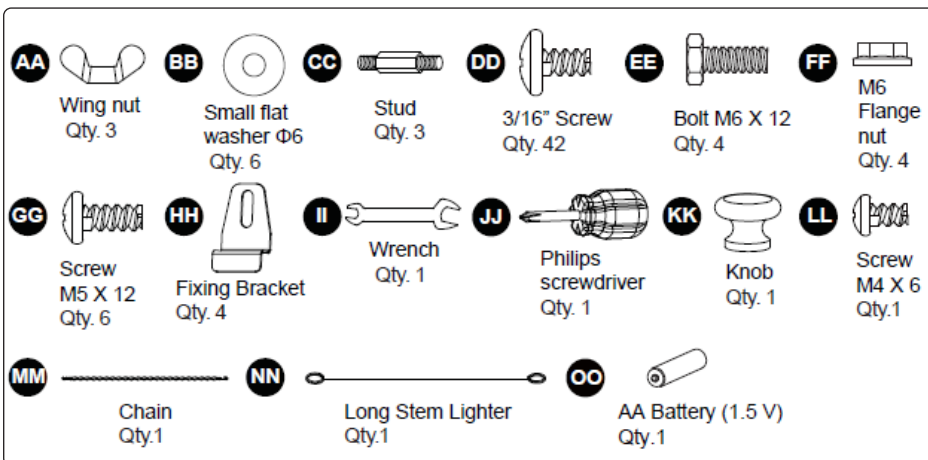
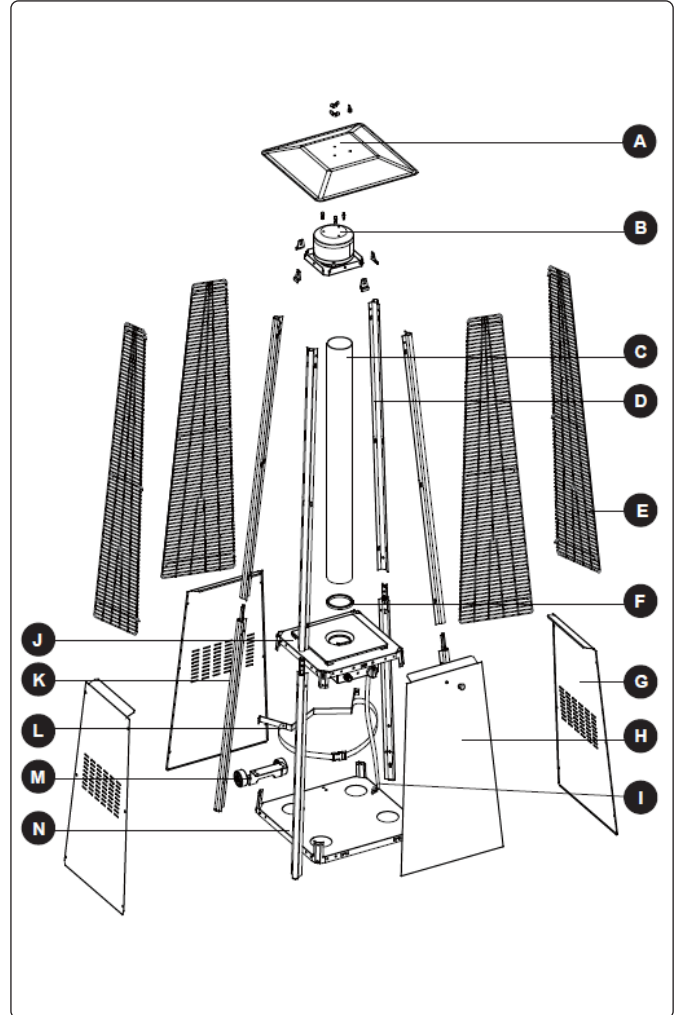
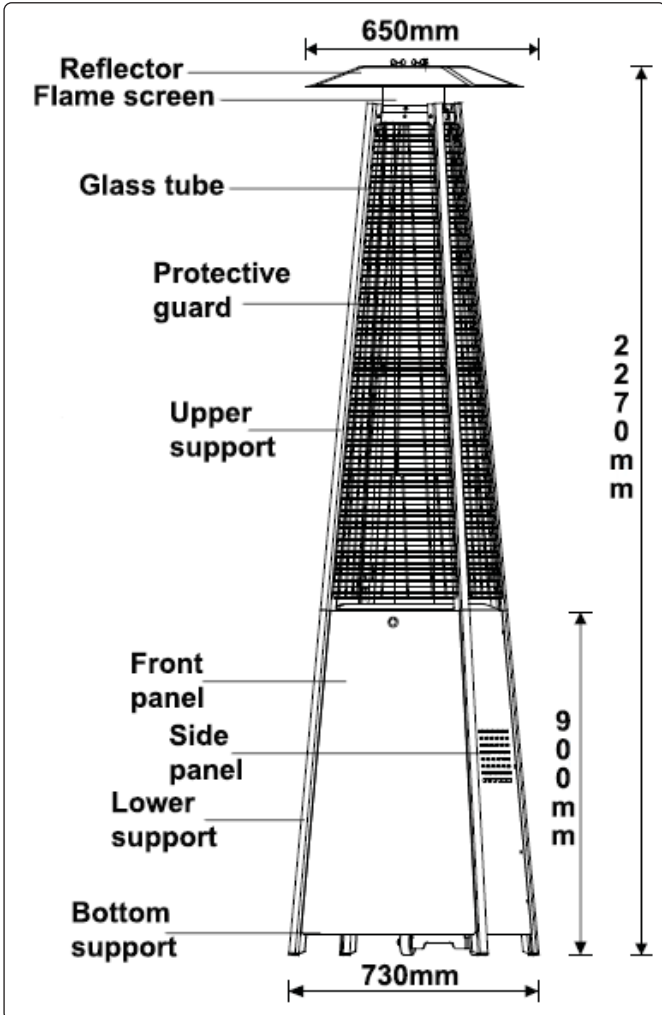
Innovative design of Gas Flame Patio Heater. Contemporary free standing patio heater ideal for both commercial and domestic settings including open workshops, boat yards, patios, forecourts, gardens and terraces. Standing at 2.2m tall, when lit the heater produces a real flame encompassed by a glass tube and heats the surrounding area. Metal reflector makes sure the 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.

3. SPECIFICATION

Model no's..... DG5, DG6
 Fuel.....Propane
 Fuel consumption.....945g/hr
 Heated area.....8m²
 Output.....13Kw
 Dimensions (W x H).....580 x 2270mm

Max. gas bottle size.....Ø325 x 700mm

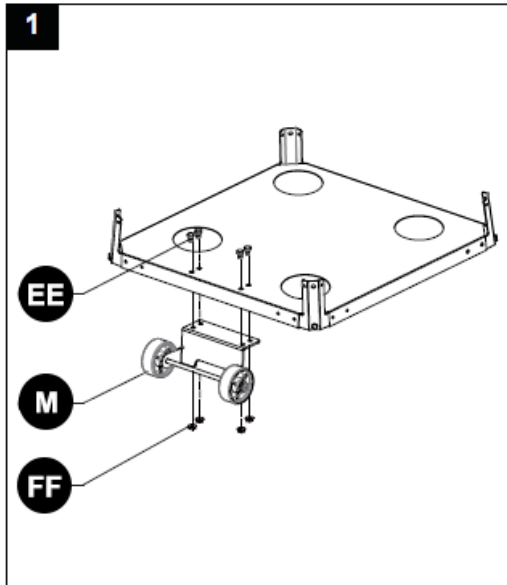
4. CONTENTS

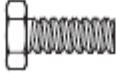

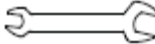


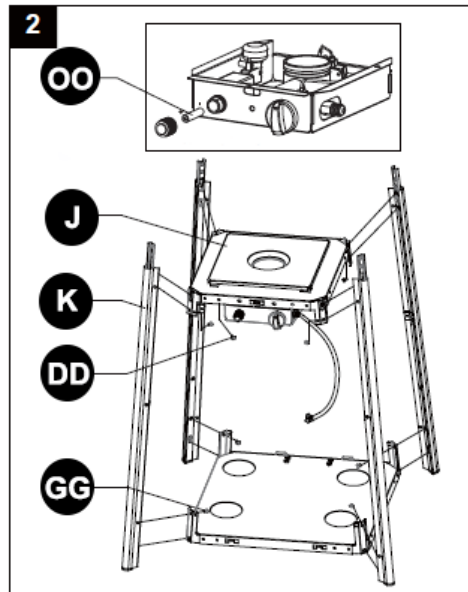
PART	DESCRIPTION	QTY.
A	Reflector	1
B	Flame screen	1
C	Glass tube	1
D	Upper support	4
E	Protective guard	4
F	Black silicone ring	1
G	Side panel	3
H	Front panel	1
I	Gas hose	1
J	Control box assembly	1
K	Lower support	4
L	Block belt	1
M	Wheel assembly	1
N	Bottom plate	1




5. ASSEMBLY

5.1. **DIAGRAM 1** Fix the wheel assembly to the bottom plate, use 4pcs bolt M6 X 12 and 4pcs flange nut M6.



- EE** Bolt M6 X 12  x 4
- FF** M6 Flange nut  x 4
- II** Wrench  x 1



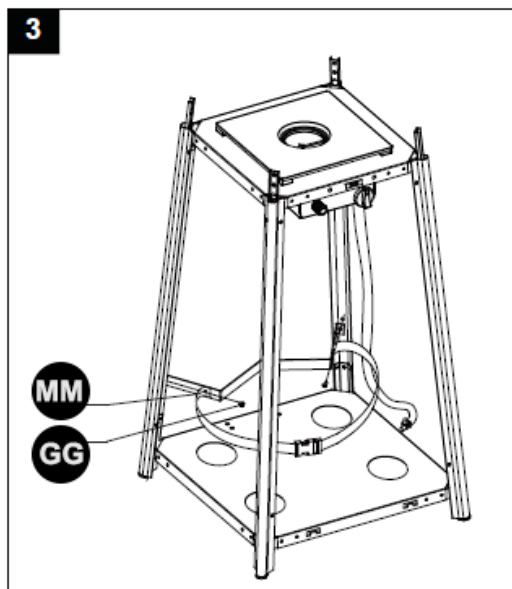
- GG** Screw M5 X 12  x 4
- DD** 3/16" Screw  x 4
- JJ** Philips screwdriver  x 1



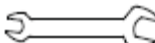
5.2. **DIAGRAM 2** Unscrew the switch button, fit battery, refit the switch button.

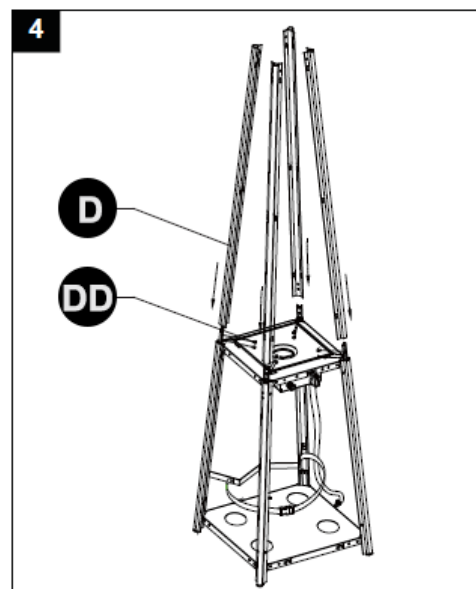
5.3. Insert the pins of the base to the holes of lower support, press to secure the pins. Use 4 x M5X12 screws to secure the lower support and base.



5.4. Insert the pins of the control box assembly to the holes of upper support, press to secure the pins. Use 4 x 3/16" screws to secure the upper support and control box assembly.

5.5. **DIAGRAM 3** Assemble the gas cylinder belt. Fix the belt to the two lower supports behind the front door, use 2 x M5 x 12 screws.



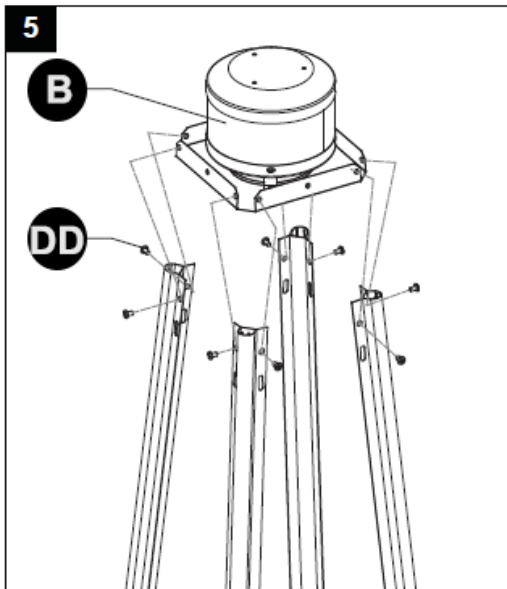
- EE** Bolt M6 X 12  x 4
- FF** M6 Flange nut  x 4
- II** Wrench  x 1


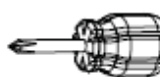


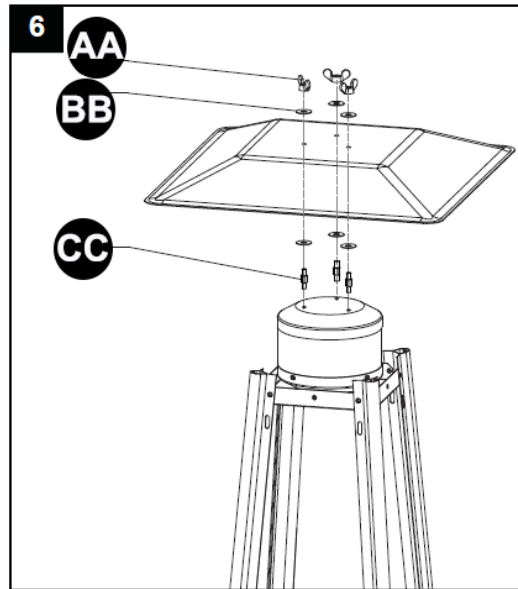
- DD** 3/16" Screw  x 8
- JJ** Philips screwdriver  x 1



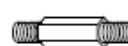
5.6. **DIAGRAM 4** Assemble the middle support. Insert the 4pcs upper support. Secure with 8 x 3/16" screws.

5.7. **DIAGRAM 5** Fix the flame screen to the upper supports. Use 8 x 3/16" screws.



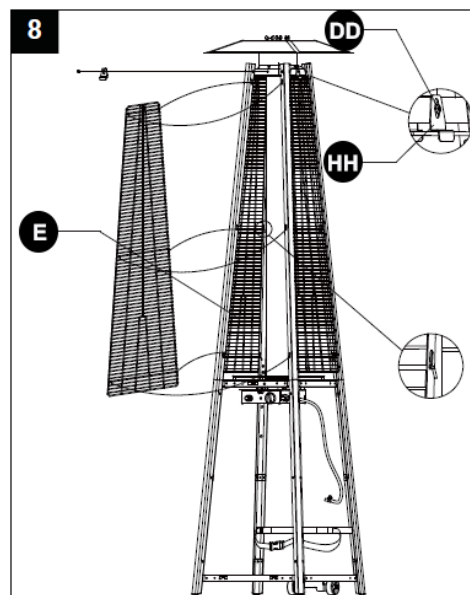
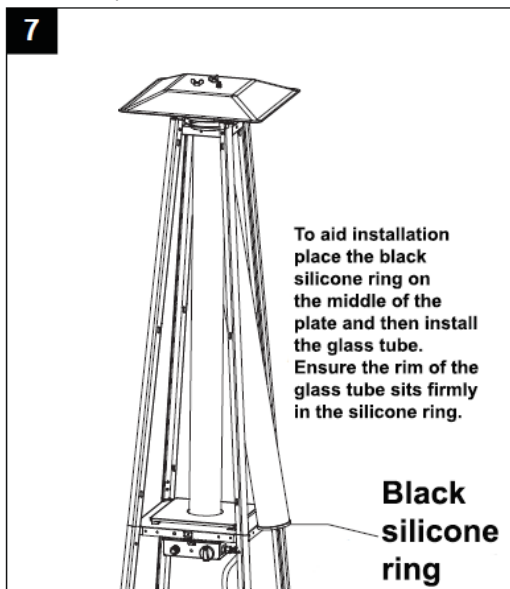
- DD** 3/16" Screw  x 8
- JJ** Philips screwdriver  x 1






- AA** Wing nut  x 3
- BB** Washer $\Phi 6$  x 6
- CC** Stud  x 3

5.8. **DIAGRAM 6** Fix the reflector onto the flame screen. Screw the 3 studs onto the top of the flame screen. Place 3x $\Phi 6$ mm washers on top of the stud. Place the reflector onto the stud and secure with 3 x $\Phi 6$ mm washers and 3 x wing nuts.

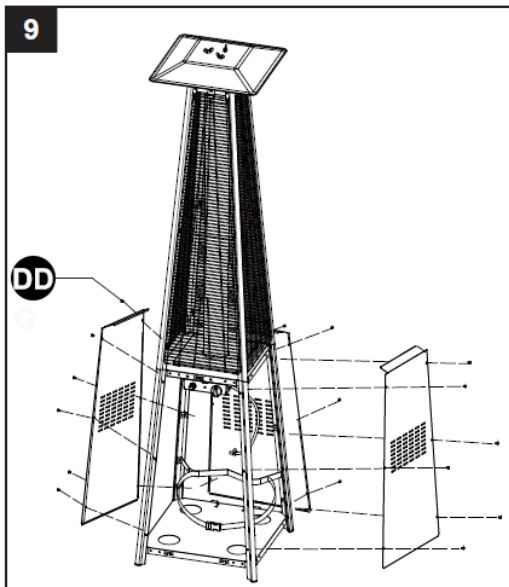
5.9. **DIAGRAM 7** Carefully install the glass tube by lifting it up and inserting through the centre hole in the upper plate. Ensure the black silicone ring is attached to the lower edge of the glass tube as illustrated. Slide the glass tube through the hole of the lower plate cover and onto the middle plate. Check and ensure that the glass tube is positioned properly and is completely covering the centre hole of the middle plate.


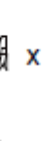


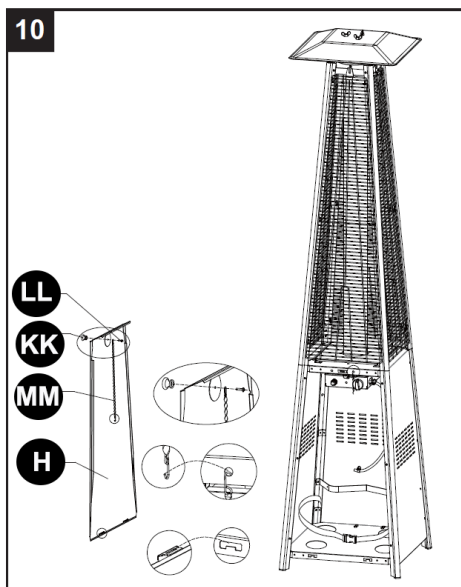
5.10. **DIAGRAM 8** Assemble the protective guard. Fit the protective guards, push the hooks into the slots in the upper supports and let them slide down to secure. Fix the 4 brackets to retain them in place.



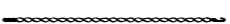
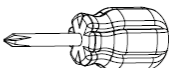
- DD** 3/16" Screw  x 4
- JJ** Philips screwdriver  x 1
- HH** Fixing Bracket  x 4

5.11. **DIAGRAM 9** Attach the 3 side panels to the heater using 18 x 3/16" screw. **Note: DO NOT** fit the front panel at this stage.



- DD** 3/16" Screw  x 8
- JJ** Philips screwdriver  x 1



- KK** Knob  x 1
- LL** Screw M4 X 6  x 1
- MM** Chain  x 1
- JJ** Philips screwdriver  x 1

5.12. **DIAGRAM 10**

Fit knob to door and chain to the rear of the door. Use M4 x 6 screw. Fix the other end of chain onto the hole on the control box assembly. Locate the hooks on the bottom edge of the door into the cut outs on the bottom plate and push the door into position.

5.13. **DIAGRAM 11 (REGULATOR ARRANGEMENT)**

Attach worm drive clip loosely to end of the gas hose. Lightly wet regulator output stem with water and push gas hose fully onto stem i.e. push gas hose hard up to shoulder of output stem where it meets the regulator body. Fully tighten the worm drive clip to ensure a leak-proof joint.

Check that the regulator is closed and the tap is in the off position i.e. horizontal.

Remove the seal cap from the cylinder automatic valve and connect regulator to the gas cylinder by pushing regulator down vertically and firmly onto the cylinder valve. Confirm full and secure engagement of regulator to the cylinder valve.

- WARNING!** Ensure full engagement of hose to regulator and control unit.
- WARNING!** Check that the worm drive clips at both ends of the gas hose are fully tightened.
- WARNING!** Arrange the gas hose and regulator to ensure the hose does not come into contact with any high temperature surfaces as it may melt and cause a fire. After the cylinder is placed inside the heater, tightly secure the cylinder with the belt.

NOTE: See section 6 for Leak Check procedure.



6. LEAK CHECK

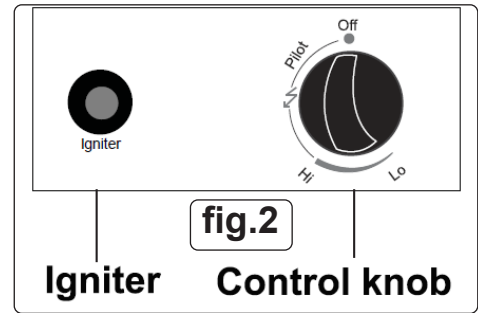
- ❑ **WARNING!** A leak test must be performed:
 - before first use
 - annually
 - each time a cylinder is changed
 - or if any part of the gas system has been replaced.
- ❑ **WARNING!** Never use an open flame to check for gas leaks. Make sure there are no sparks or open flames in the area whilst checking for leaks.

6.1. Remove all sources of ignition.

6.2. Turn all burner controls to the off position. Turn gas regulator on. Brush a half and half solution of liquid soap and water onto all joints and connections shown below (regulator, hose, manifolds and valves.)

6.3. Bubbles will indicate a gas leak. Tighten or loosen the loose joint or have the part replaced with a recommended genuine part. Have the patio heater inspection by a certified gas installer.

6.4. If the leak can not be stopped **SHUT OFF THE GAS SUPPLY IMMEDIATELY**, disconnect it and have the patio heater inspected by a certified gas installer or dealer. **DO NOT** use the patio heater until the leak has been corrected.



7. OPERATION

7.1. TO TURN ON THE HEATER

7.1.1. Open the gas regulator valve fully.

7.1.2. Press and turn the variable control knob to the **PILOT** position (anticlockwise 90°).

7.1.3. Press down the control knob for 60 seconds. Whilst holding down the control knob press the igniter button several times until the pilot flame lights. Release the control knob after the pilot flame lights.

Note: If a new cylinder has been fitted allow at least one minute for air in the gas pipeline to purge out through the pilot hole.

When lighting the pilot flame make sure that the control knob is pressed down continuously, whilst pressing the igniter button. The control knob can be released after the pilot flame lights. If the pilot flame does not light repeat step 7.1.3.

7.1.4. After the pilot flame lights turn the control knob to its maximum position and leave it there for 5 minutes or more before turning the control knob to the desired temperature position.

- ❑ **WARNING!** Check that the glass is **NOT** broken before operation.

7.2. TO TURN OFF THE HEATER

7.2.1. Turn the control valve to the PILOT position.

7.2.2. Press and turn the control knob to the OFF position. Turn off the gas cylinder completely.

8. STORAGE

8.1. Always close the gas valve at the gas cylinder and remove the regulator from the cylinder.

8.2. Check the gas valve for damage. If damage is suspected have it inspected by a gas dealer.

8.3. Store in a childproof, dry area with adequate air ventilation. Never store a liquid gas cylinder in a cellar or below ground level.

9. MAINTENANCE

9.1. CLEANING

9.1.1. Wipe surfaces with a moist, soft rag. **DO NOT** clean with aggressive or combustible cleaners.

9.1.2. Remove debris from the burner to keep it safe for use.

9.1.3. Cover the heater with a protective cover when the heater is not in use, (Sealey model no: DG7 not supplied).

10. TROUBLESHOOTING

Problem	Probable cause	Solution
Pilot will not light	Gas valve may be off	Turn gas valve on
	Cylinder empty	Renew cylinder
	Opening blocked	Clean or replace opening
	Air in supply system	Purge air from lines
	Loose connections	Check all fittings
Pilot will not stay on	Debris around pilot	Clear dirty area
	Loose connections	Tighten connections
	Thermocouple bad	Replace thermocouple
	Gas leak in line	Check connections
	Lack of fuel pressure	Cylinder nearly empty, refill cylinder
Burner will not light	Pressure is low	Cylinder nearly empty, refill cylinder
	Opening blocked	Remove and clean
	Control not on	Turn valve to on
	Thermocouple bad	Replace thermocouple
	Pilot light assembly bent	Place pilot light properly
	Not in correct location	Position properly and retry



WEEE REGULATIONS

Dispose of this product at the end of its working life in compliance with the EU Directive on Waste Electrical and Electronic Equipment (WEEE). When the product is no longer required, it must be disposed of in an environmentally protective way. Contact your local solid waste authority for recycling information.



ENVIRONMENT PROTECTION

Recycle unwanted materials instead of disposing of them as waste. All tools, accessories and packaging should be sorted, taken to a recycling centre and disposed of in a manner which is compatible with the environment. When the product becomes completely unserviceable and requires disposal, drain any fluids (if applicable) into approved containers and dispose of the product and fluids according to local regulations.

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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