



# PORTABLE RADIANT GAS HEATERS

MODEL NO: LPH35, LPH125

Thank you for purchasing a Sealey 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 instructions



Do not cover



Warning! Hot surface

\* This product is not suitable for primary heating purposes.

## 1. SAFETY

- WARNING! NOT FOR DOMESTIC USE. DO NOT** use in basements, high rise flats or leisure vehicles such as caravans or motor caravans. If used in public buildings, refer to national regulations.
- ✓ Store gas cylinders in accordance with relevant regulations.
- ✓ Gas cylinders should only be used in a vertical position with the valve at the top. Ensure that cylinders are safe from damage or movement.
- ✓ Ensure that nothing stands or passes directly in front of the heater. Mandatory minimum distance from the heater is 1 metre.
- ✓ Use the supplied pressure regulator and hose only.
- ✓ Ensure continuous ventilation is provided to the heater operating area. A ventilation opening must run to the outside of the premises where the heater is to be operated. The opening must be 100cm<sup>2</sup> for every kW and must also be set at an equal distance from the upper and lower parts of the heater operating area.
- WARNING!** If the heater is used for prolonged periods at maximum power, ice may form on the propane cylinder. This is due to excessive evaporation. In such a case **DO NOT** use the heater to de-ice the cylinder.
- \* **DO NOT** use the heater if damaged. Take immediate action to repair or replace damaged parts. Use an authorised service agent only.
- \* **DO NOT** allow untrained persons to ignite the heater.
- \* **DO NOT** use the heater out of doors or in a wet environment.
- \* **DO NOT** operate the heater without the guard. The guard on this appliance is to prevent risk of fire or injury from burns and no part of it should be permanently removed. **IT DOES NOT GIVE FULL PROTECTION FOR YOUNG CHILDREN OR THE INFIRM.**
- \* **DO NOT** operate the heater within 2mtr of the gas cylinders(s)
- \* **DO NOT** use the heater near flammable, combustible or explosive materials - liquids, solids or gases.
- \* **DO NOT** leave the heater unattended whilst in use.
- \* **DO NOT** point the heater towards the gas cylinder.
- ✓ Keep the heater clean and in good working order.
- ✓ Ensure that the heater is correctly turned off and the gas source isolated when not in use.
- ✓ Ensure that the gas hose is safe from being trapped, kinked or twisted.
- ✓ Ensure that the heater has cooled down thoroughly before handling.
- ✓ When not in use for any length of time, store heater in a safe, dry, childproof location isolated from the cylinder.
- WARNING!** If, during use, a smell of gas is noticed; turn off the heater **IMMEDIATELY** by means of the gas bottle supply valve. **DO NOT** relight the heater until the source of the smell has been traced and rectified.
- Warning! DO NOT** use in basements or areas below ground level.

## 2. INTRODUCTION

Ideal for small to medium sized workshops, factories, warehouses and other commercial premises. Reaches maximum heat output within seconds of being turned on. Highly portable, no power supply required, just connect to gas bottle. Heavy-duty frame and steel mesh guard with durable paint finish. Fitted with a piezoelectric ignition system for trouble-free starting. Features safety thermocouple and flame failure valve. A tilt switch is fitted to LPH35. Super quiet operation, includes no moving parts. Supplied with an approved propane gas regulator and hose. Tested and certified to CE/EN standards.

## 3. SPECIFICATION

Model:	LPH35	LPH125
Output:	10.25kW	36.6kW
Output:	35,000Btu/hr	125,000Btu/hr
Fuel Consumption;	0.74kg/hr	2.6kg/hr
Length:	308mm	475mm
Width:	230mm	400mm
Height:	850mm	1090mm
Fuel:	Propane	Propane
Weight:	8.8kg	17.4kg
Regulator Type:	.37mbar	.37mbar

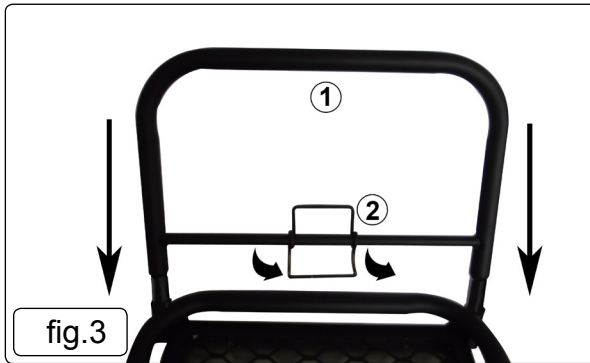
## 4. ASSEMBLY

### 4.1. LPH35: (fig.1)

- 4.1.1. Erect the handle (fig.4.1) and lock in place by rotating the spring clip over the cross member. (fig.4.2)
- 4.1.2. Deploy the wheel assembly (fig.4.3) by pulling out and locking by engaging the catch (fig.4.4).

### 4.2. LPH125: (fig.2)

- 4.2.1. Attach the wheel assembly to the frame. Ensure that the angle of the bracket points upwards as in fig.5.
- 4.2.2. Push the handle (fig.3.1) into the open ends of the frame.
- 4.2.3. Lock in place by rotating the spring clip (fig.3.2) until it locks over the cross member.



## 5. INSTALLATION

**Note:** If too small a small gas cylinder is used, the heater may not operate at maximum efficiency. It is recommended to use two or more cylinders linked in parallel, to achieve maximum continuous efficiency. In this circumstance the advice of your gas supplier should be sought.

### 5.1. Connections

- 5.1.1. Check heater and gas cylinder to ensure that they are both in good condition. If not, stop and contact your supplier immediately.
- 5.1.2. Site the heater and gas cylinder in the location to be heated, taking the safety warnings in section 1 into consideration.

- **WARNING!** Before attempting to connect the heater to the gas bottle, ensure that there are no sources of ignition in the vicinity and that the area is well ventilated

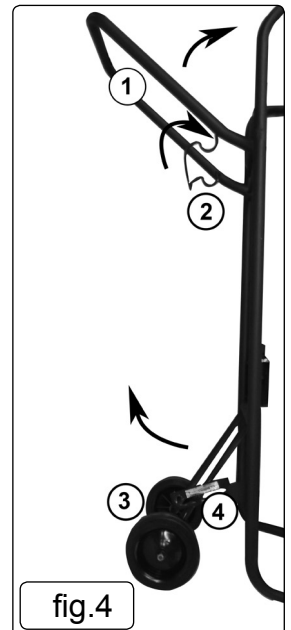
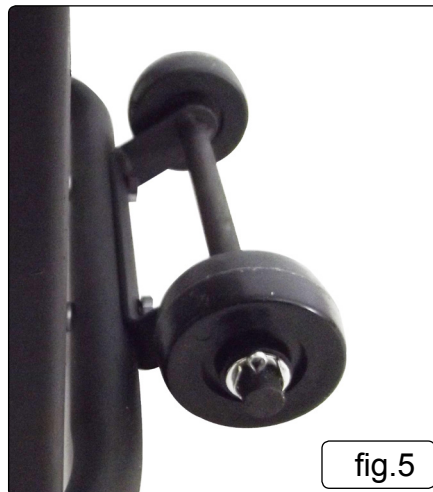
- 5.1.3. Connect the gas supply hose to the pressure regulator, and connect the regulator to the gas cylinder.

**Note:** Propane cylinders are fitted with left hand threads.

- 5.1.4. Connect the other end of the supply hose to the heater (fig 6.1. or 8.1.). Ensure all connections are tight. **DO NOT** use PTFE tape.

- 5.1.5. Open the tap of the gas cylinder gradually. Check hose and all fittings for gas leaks.

- **WARNING: DO NOT USE A NAKED FLAME TO CHECK FOR LEAKS!** Use a proprietary leak detector spray.



## 6. OPERATION - LPH35

- 6.1. Ensure that the installation is gas-tight, ensuring all the provisions of section 5 have been met.

- **WARNING! STAY WELL BEHIND THE BURNER ASSEMBLY WHEN IGNITING**

- 6.2. Press the thermocouple override button (fig 6.2.) in. This will release gas to enable ignition.

- 6.3. Press the igniter button (6.3) repeatedly.

- 6.4. Once lit, keep the override button depressed for about 1 minute. Slowly release the button and the burner will stay alight.

**Note:** On first use and after connecting a fresh gas cylinder, hold the override button in for an extra amount of time allowing air to be purged from the delivery pipe. Keep clicking the igniter button until the gas ignites.

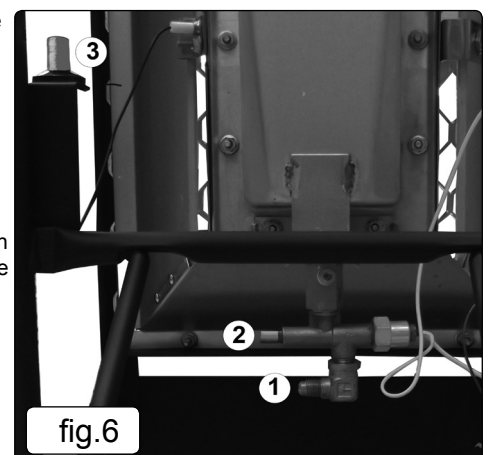
- 6.5. To extinguish the heater: screw down the cylinder tap.

- 6.6. The pressure regulator is factory set and no adjustment is possible. **DO NOT** replace with anything but the correct valve for this heater.

- 6.7. The LPH35 is fitted with a tilt switch that will shut off the gas supply in the event of the heater being knocked over or subjected to extreme vibration. This switch will reset automatically when the heater is returned to the correct position.

**Note:** Some paint discolouration will occur during use: this is to be expected.

- **WARNING!** Remember that the heater will stay hot for a considerable time after being extinguished. **DO NOT** attempt to move until cooled thoroughly.



## 7. OPERATION - LPH125

- 7.1. Ensure that the installation is gas-tight, ensuring all the provisions of section 5 have been met.
- 7.2. Open the shutter on side of the burner chamber to reveal the pilot flame window (fig.7).
- 7.3. Turn the control knob (fig.8.2.) anticlockwise to the 'pilot' position and push in.
- 7.4. Press the igniter button repeatedly until the pilot flame is seen to be lit within the burner chamber.
- 7.5. Keep the control knob depressed until the pilot flame is stable, then release and turn the knob anticlockwise until 'on' is uppermost: the burner will now ignite and settle to a steady flame.
- 7.6. Close the shutter over the pilot flame window to guard the pilot flame from draughts.

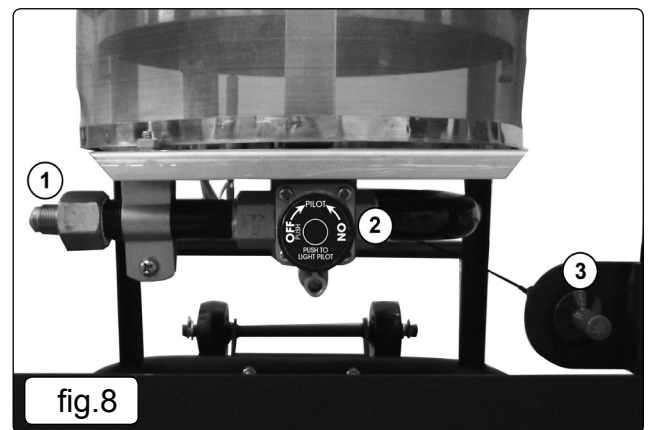
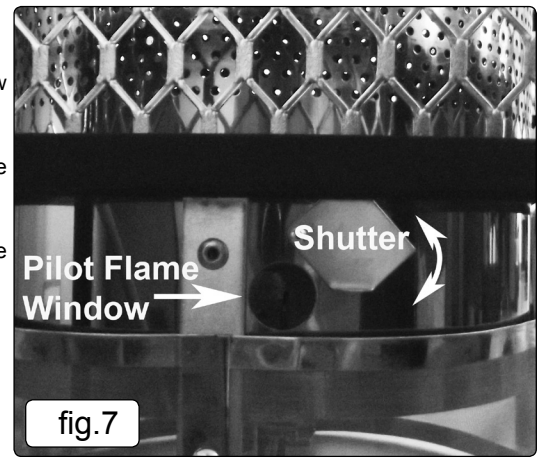
**Note:** On first use and after connecting a fresh gas cylinder, hold the control knob in for an extra amount of time, allowing air to be purged from the delivery pipe. Keep clicking the igniter button until the gas ignites.

### 7.7. To turn off:

- 7.7.1. If turning off for a short period: turn the control knob to the 'pilot' position; the main burner will extinguish leaving the pilot flame
- 7.7.2. To turn off fully: turn the control knob to the 'pilot' position then press in for about  $\frac{1}{4}$  of its travel when it can be turned clockwise to the 'off' position. Both the main burner and pilot light will be extinguished.
- 7.7.3. Screw down the tap on the gas cylinder.
- 7.7.4. The pressure regulator is factory set and no adjustment is possible. **DO NOT** replace with anything but the correct valve for this heater.

**Note:** Some paint discolouration will occur during use: this is to be expected.

- WARNING!** Remember that the heater will stay hot for a considerable time after being extinguished. **DO NOT** attempt to move until cooled thoroughly.



## 8. MAINTENANCE

- WARNING! DO NOT** undertake any cleaning or maintenance whilst the heater is connected to the gas supply. Ensure that the heater has cooled thoroughly before working on it.
- 8.1. The heater should be cleaned at least annually; more often if being used in dusty conditions.
  - 8.2. To clean the heater, use a damp cloth to remove dust; a household cleaner may be used for more stubborn marking.
  - 8.3. To clean the reflector on the LPH35, remove the grille by taking the four securing screws out. Ensure that the grille is replaced before further use.
  - 8.4. The most effective way to clean the interior is to blow out with compressed air. The gas jet should be cleaned by blowing air into it in the opposite direction from the gas flow.
  - 8.5. Inspect the heater, hose and regulator before each use, checking gas connections with a proprietary leak detector spray. This will show a gas leak as bubbles forming on the connection. Alternatively, a weak mixture of liquid soap and water can be used.
  - 8.6. If any damage to the gas hose is seen, the hose should be replaced by one of the same specification.
  - 8.7. Similarly, the gas regulator may only be replaced by an identical 37mbar unit.



### 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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