



INSTRUCTIONS FOR:

## SPACE WARMER® PROPANE HEATER

MODEL No: **LP401**

Thank you for purchasing a Sealey product. Manufactured to a high standard, this product will, if used according to these instructions and maintained properly, 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



Warning:  
Hot Surface



Warning: Automatic  
Start-up

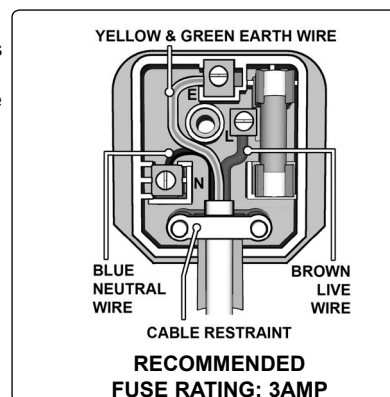
### 1. SAFETY

#### 1.1. ELECTRICAL SAFETY

- ☐ **WARNING! It is the responsibility of the owner and the operator to read, understand and comply with the following:**
- You must check all electrical products, before use, to ensure that they are safe. You must inspect power cables, plugs, sockets and any other connectors for wear or damage. You must ensure that the risk of electric shock is minimised by the installation of appropriate safety devices. A Residual Current Circuit Breaker (RCCB) should be incorporated in the main distribution board. We also recommend that a Residual Current Device (RCD) is used. It is particularly important to use an RCD with portable products that are plugged into a supply which is not protected by an RCCB. If in any doubt consult a qualified electrician. You may obtain a Residual Current Device by contacting your Sealey dealer.

**You must** also read and understand the following instructions concerning electrical safety.

- 1.1.1. The **Electricity at Work Act 1989** requires all portable electrical appliances, if used on business premises, to be tested by a qualified electrician, using a Portable Appliance Tester (PAT), at least once a year.
- 1.1.2. The **Health & Safety at Work Act 1974** makes owners of electrical appliances responsible for the safe condition of those appliances and the safety of the appliance operators. **If in any doubt about electrical safety, contact a qualified electrician.**
- 1.1.3. Ensure that the insulation on all cables and on the appliance is safe before connecting it to the power supply. See 1.1.1 and 1.1.2 and use a Portable Appliance Tester.
- 1.1.4. Ensure that cables are always protected against short circuit and overload.
- 1.1.5. Regularly inspect power supply cables and plugs for wear or damage and check all connections to ensure that none are loose.
- 1.1.6. **Important:** Ensure that the voltage marked on the appliance matches the power supply to be used and that the plug is fitted with the correct fuse - see fuse rating on right.
- 1.1.7. **DO NOT** pull or carry the appliance by the power cable.
- 1.1.8. **DO NOT** pull the plug from the socket by the cable.
- 1.1.9. **DO NOT** use worn or damaged cables, plugs or connectors. Have any faulty item repaired or replaced immediately by a qualified electrician. When an ASTA/BS approved UK 3 pin 13 amp plug is damaged, cut the cable just above the plug and **dispose of the plug safely.** Fit a new plug according to the following instructions (UK only - see diagrams on right).
- a) Connect the **GREEN/YELLOW** earth wire to the earth terminal 'E'.
- b) Connect the **BROWN** live wire to the live terminal 'L'.
- c) Connect the **BLUE** neutral wire to the neutral terminal 'N'.
- d) After wiring, check that there are no bare wires, that all wires have been connected correctly, that the cable outer insulation extends beyond the cable restraint and that the restraint is tight.
- 1.1.10. If an extension reel is used it should be fully unwound before connection. A reel with an RCD fitted is preferred since any appliance plugged into it will be protected. The cable core section is important and should be at least 1.5mm<sup>2</sup>, but to be absolutely sure that the capacity of the reel is suitable for this product and for others which may be used in the other output sockets, we recommend the use of 2.5mm<sup>2</sup> section cable.



#### 1.2. GENERAL SAFETY

- ☐ **WARNING!** Disconnect heater from mains electrical supply and gas cylinder before servicing or performing maintenance. Replace or repair damaged parts. *Use genuine parts only. Unauthorised parts may be dangerous and will invalidate the warranty.*
- ☐ **WARNING! NOT** to be used for the heating of habitable areas of domestic premises.
- ✓ Store gas cylinders in accordance with regulations applicable to such appliances.
- ✓ Ensure that nothing stands or passes in front of the heater. *Mandatory minimum distance from the heater is 2 metres at the front.*
- ✓ Only use the propane gas pressure regulator and hose assembly supplied with the heater, without alteration.
- ✓ 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.
- ☐ **WARNING!** If the smell of gas is present, isolate the gas cylinder immediately and investigate the reason before re-connecting it. Be aware that propane is heavier than air and that leakage will accumulate at floor level
- ✗ **DO NOT** use the heater if damaged. *Take immediate action to repair or replace damaged parts. Use an authorised service agent only.*
- ✗ **DO NOT** use the heater for residential use.
- ✗ **DO NOT** allow untrained persons to ignite the heater.
- ✗ **DO NOT** operate the heater without the cover.
- ✗ **DO NOT** modify the heater in any way. The heater is not designed to operate in conjunction with any form of ducting.
- ✗ **DO NOT** use a naked flame to try and ignite the heater.

- x **DO NOT** use the heater near flammable, combustible or explosive materials - liquids, solids or gases.
- x **DO NOT** leave the heater unattended whilst in use.
- x **DO NOT** obstruct the air inlet and outlet sections of the heater. Keep immediate area clean and tidy.
- x **DO NOT** point the heater towards the gas cylinder.
- ✓ Keep children away from the heater.
- ✓ 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.
- ✓ When not in use for any length of time, store heater in a safe, dry, childproof location.

#### ▲ CARBON MONOXIDE (CO) RISKS

This heater will produce a very small amount of carbon monoxide as part of its normal operation. As carbon monoxide is a toxic gas, particular care must be taken to provide adequate ventilation.

**The result of inadequate ventilation could be fatal.**

Early indications of the onset of carbon monoxide poisoning include:

- Headache
- Dizziness
- Burning eyes and nasal passages
- Nausea
- Dry mouth or sore throat.

In the event of these symptoms being present, **leave the area immediately and get fresh air.**

Turn off the heater and take out of use until serviced.

**NOTE:** This appliance is not intended for persons (including children) with reduced physical, sensory or mental capabilities, or lack of experience and knowledge, unless they have been given supervision or instruction concerning use of the appliance by a person responsible for their safety. Children should be supervised to ensure that they do not play with the appliance.

## 2. INTRODUCTION

Perfect large heater for industrial use, ideal for heating large areas efficiently and quickly. Mounted on wheels with integral handle so easily moved to where heating is required. Features fully automatic electronic ignition for easy trouble free starting. Fully adjustable, thermostatically controlled heat output between 210,000Btu/hr and a maximum of 400,000Btu/hr and fuel safety cut-out in the event of overheat or power failure. Supplied with approved propane gas regulator and hose.

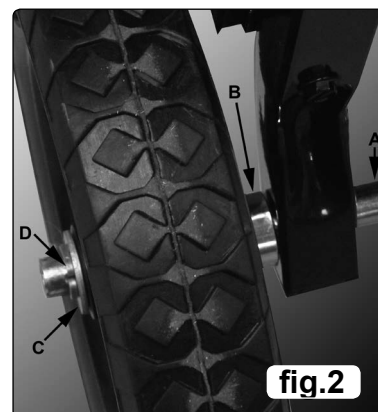
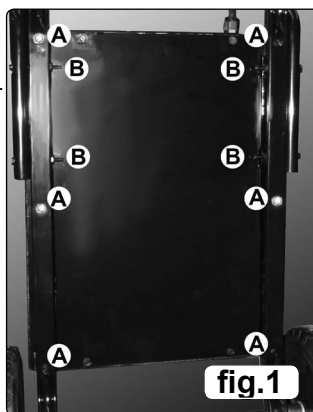
## 3. SPECIFICATION

Model No: .....	LP401
Output: .....	61.5-117kW
Output: .....	210,000-400,000Btu/hr
Airflow: .....	14000cfm
Fuel Consumption: .....	5.2-8.4kg/hr
Length: .....	995mm
Width: .....	405mm
Height: .....	620mm
Fuel: .....	Propane
Heated Area: .....	72,000ft²
Heated Area: .....	2,038mtr²
Weight: .....	24.6kg
Gas Pressure: .....	1.5bar



## 4. ASSEMBLY

- 4.1. Stand the heater carefully on end (air inlet upwards).
- 4.2. Attach the chassis to the heater using six screws (fig.1.A).
- 4.3. Attach the handle to the chassis using four screws (fig.1.B).
- 4.4. Slide the axle (fig.2.A) through the chassis locations.
- 4.5. Slide a spacer (fig.2.B) onto each end of the axle.
- 4.6. Slide a wheel over each end of the axle, followed by a washer (fig.2.C)
- 4.7. Secure the assembly by inserting a cotter pin (fig.2.D) in each end of the axle and bending the legs with pliers.



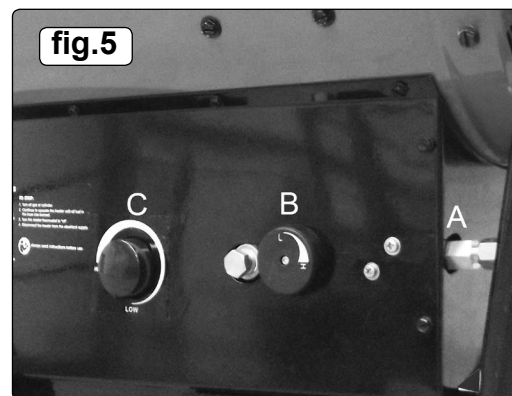
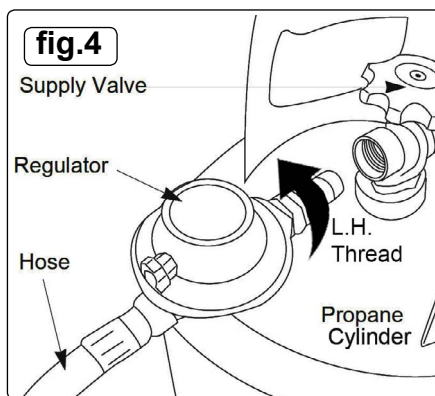
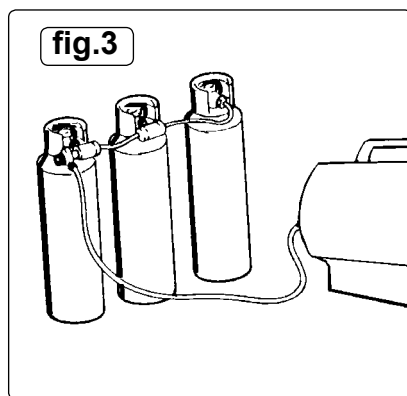
## 5. INSTALLATION

**Note:** If 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 (fig.3). If in any doubt, consult the gas supplier for advice.

### 5.1. Connections

- 5.1.1. Check heater and gas cylinder(s) to ensure that they are 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. Gas cylinders must only be used when standing vertically, with the outlet upwards.
- 5.1.3. Connect the heater to an electrical supply outlet, ensuring that the machine is correctly earthed. *See safety instructions.*
- 5.1.4. Connect the gas supply hose to the pressure regulator, and connect the regulator to the gas cylinder (fig.4).  
**Note:** The regulator connects to the cylinder with a left hand thread.
- 5.1.5. Connect the other end of the gas supply hose to the heater's gas inlet connector (fig.5.A). Ensure all connections are tight.
- 5.1.6. Open the tap of the gas cylinder gradually, checking hose and all fittings for gas leaks. Close gas tap if a leak is suspected

☐ **WARNING! DO NOT USE A NAKED FLAME!** To check for leaks, we recommend the use of a foamy soap solution for leak tracing.



## 6. OPERATION

### 6.1. Starting

- 6.1.1. Open the supply valve on the cylinder(s) slowly. Opening too rapidly may shut the excess flow valve on the cylinder. If this does happen, close the supply valve and re-open more slowly. The excess flow valve is a safety feature to stop the flow of gas in case of a major leak in the hose.
- 6.1.2. Set the thermostat (fig.5.C) to 'High'. The heater will ignite automatically.
- 6.1.3. The heat output can be regulated by turning the heat output valve (fig.5.B).
- 6.1.4. Set the required ambient temperature by means of the thermostat. When the target temperature is reached, the heater will switch off and will re-ignite when the temperature drops below that set.

### 6.2. Shutting Down.

- 6.2.1. Firstly, close the valve on the propane cylinder(s).
- 6.2.2. If not already running, start the machine as in 6.1.2.
- 6.2.3. Let the machine run until the flame extinguishes, signifying the gas has bled away.
- 6.2.4. Turn the thermostat to 'Off'.
- 6.2.5. Disconnect the heater from the mains electric supply.

### 6.3. If the heater shuts down automatically owing to a safety issue:

- 6.3.1. Close the supply valve.
- 6.3.2. Disconnect from the mains.
- 6.3.3. Wait for a minimum of 5 minutes.
- 6.3.4. Restart as in section 6.1.

## 7. MAINTENANCE

- 7.1. Inspect the heater, its electrical and gas connections before each use.
  - 7.1.1. If any component causes concern, replace before use.
- 7.2. Have the heater inspected and serviced by a competent person on a regular basis to ensure safe and efficient performance.

### **⚠ WARNING Regarding Air Contaminants.**

*Air contaminants taken into the heater will damage the unit, cause health problems and safety issues.*

*Example: Body shop filler dust and overspray dust will clog the burner diffuser, contaminate the combustion chamber and damage the internal parts of the heater. If contaminants are present the heater must be supplied with clean air.*

**Please note that any parts damaged by filler dust or overspray dust will not be covered by warranty. Additionally a cleaning charge will be made for any heaters damaged by filler dust or overspray dust.**

## 8. STORAGE

- 8.1. When taking the heater out of use, disconnect from its cylinder(s) and remove them to secure outdoor storage in accordance with local regulations.
  - 8.1.1. Store the heater in a safe, dry, childproof location.

### **Environmental 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, dispose of it according to local regulations.**



#### **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.**

**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 will be required for any claim.



**Sole UK Distributor, Sealey Group,**  
Kempson Way, Suffolk Business Park,  
Bury St. Edmunds, Suffolk,  
IP32 7AR



01284 757500



01284 703534



[www.sealey.co.uk](http://www.sealey.co.uk)



[sales@sealey.co.uk](mailto:sales@sealey.co.uk)