



PORTABLE PROPANE HEATER 8,871BTU/HR

MODEL NO: LP12

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



WARNING!
Hot surfaces



WARNING!
DO NOT cover



USE
OUTDOORS
ONLY

1. SAFETY

- WARNING!** If the information in this manual is not followed exactly, a fire or explosion may result causing property damage, personal injury or loss of life.
- * **DO NOT** store or use gasoline or other flammable vapours and liquids in the vicinity of this or any other appliance.
- ✓ Use outdoors only.
- WARNING! IF YOU SMELL GAS**
 1. **DO NOT** try to light appliance.
 2. Extinguish any open flame.
 3. Shut off gas to appliance.
- NOTE:** service must be performed by a qualified installer, service agency. This is an unvented gas-fired portable heater. It uses air (oxygen) from the area in which it is used. Adequate combustion and ventilation air must be provided.
- IMPORTANT:** Read these instructions for use carefully so as to familiarize yourself with the appliance before connecting it to its gas cartridge or gas cylinder. Keep these instructions for future reference.
- ✓ This appliance may be used with any type 200 cartridges marked 'Butane' complying with EN 417. It may be hazardous to attempt to fit other types of gas cartridges or gas cylinders.
- ✓ When operating the heater at altitudes over 2134m above sea level the heater may shut off.
- * **DO NOT USE THIS HEATER INSIDE.**
- WARNING! CARBON MONOXIDE POISONING MAY CAUSE DEATH OR INJURY**

When used without adequate combustion and ventilation air, heater may give off excessive CARBON MONOXIDE, an odourless, poisonous gas. This is an unvented gas fired heater. The heater uses air (oxygen) from the area in which the heater is used. Adequate combustion and ventilation air must be provided. Early signs of carbon monoxide poisoning resemble the flu, with headache, dizziness and/or nausea. If you have these signs, heater may not be working properly. Get fresh air at once! Have heater serviced. Some people - pregnant women, persons with heart or lung disease, anaemia, those under the influence of alcohol, those at high altitudes - are more affected by carbon monoxide than others.
- WARNING! CHECK FOR LEAKS BEFORE USE**

Every time hose or tank is connected to unit, connection must be checked for leaks in one or more ways: Apply soapy water to connection, look for bubbles, listen for hiss of escaping gas, feel for extreme cold, smell for rotten egg odour. **DO NOT** use if leaking!
- WARNING!** Any modifications to this heater or its controls can be dangerous.
- WARNING! DO NOT TAMPER WITH THE SAFETY SYSTEM!**

This heater is equipped with a safety system designed to turn off the heater if not enough fresh air is available. If heater shuts off, **DO NOT** relight until you provide fresh air. If heater keeps shutting off, have the heater serviced. Keep burner and control compartment clean.
- WARNING! FIRE OR EXPLOSION HAZARD. IF YOU SMELL GAS:**
 1. **DO NOT** attempt to light appliance.
 2. Extinguish any open flame.
 3. Disconnect fuel supply.
 4. Leave the area immediately.
 5. Allow gas to dissipate 5 minutes before relighting the appliance.
- * **DO NOT** store or use gasoline or other flammable vapours and liquids in the vicinity of this or any other appliance.
- WARNING!** Failure to follow these instructions could result in fire or explosion, which could cause property damage, personal injury, or death. **CAUTION:** some carpets or linoleum surfaces may discolour if heater is placed directly on these floor coverings.
- * **DO NOT** use needles, wires or similar cylindrical objects to clean the pilot to avoid damaging the calibrated ruby that controls the gas flow through the pilot orifice.
- * **DO NOT** use the appliance if it has damaged or worn seals.
- * **DO NOT** use an appliance which is leaking, damaged or which does not operate properly.
- ✓ Use the product away from flammable materials.
- ✓ Gas cartridge or gas cylinder shall be changed in a well-ventilated location, preferably outside, away from any sources of ignition, such as naked flames, pilots, electric fires and away from other people.
- * If there is a leak on your appliance (smell of gas), take it out side immediately into a well ventilated flame free location where the leak may be detected and stopped. If you wish to check for leaks on your appliance, do it outside. **DO NOT** try to detect leaks using a flame, use soapy water.

- ✓ Check that seals (between the appliance and the gas cartridge or gas cylinder) are in place and in good condition before connecting to the gas cartridge or gas cylinder.
- ✓ The appliance shall be operated on a horizontal surface.
- ✓ Check that burners are extinguished before disconnecting the gas cartridge or gas cylinder.
- ✓ Check the seals before connecting a new gas cartridge or gas cylinder to the appliance.
- ✓ Change the gas cartridge or gas cylinder outside and away from people.
- ✓ Check that the cartridge is empty before changing it (shake to hear the noise made by the liquid).
- ✗ **DO NOT** modify the appliance.
- ✗ **DO NOT** use the appliance if it is shaking or unstable.
- ✗ **DO NOT** use non-approved attachments on this heater.
- ✓ Due to high temperatures, the appliance should be located out of traffic and away from combustible materials.
- ✓ Children and adults should be alerted to the hazard of high surface temperatures and should stay away to avoid burns or clothing ignition.
- ✗ **DO NOT** leave this heater unattended while it is in operation. Keep children and pets away from the heater at all time.
- ✗ **DO NOT** place clothing or other flammable material on or near the appliance.
- ✗ **DO NOT** operate heater in any moving vehicle.
- ✓ Only disposable cylinders marked with the proper fuel type approved for the appliance can be used.
- ✓ Gas pressure at heater is regulated and fixed at 28mbar.
- ✓ The regulator in the heater must always be in place during operation.
- ✓ If the wire guard is removed for servicing, it must be replaced prior to operating the heater.
- ✓ The appliance should be inspected before each use.
- ✓ Frequent cleaning may be required.
- ✓ The control compartments, burner and circulating air passageways of the appliance must be kept clean.
- ✗ **DO NOT** use this heater if any part has been underwater. Immediately call a qualified service technician to inspect the heater and to replace any part of the control system and any gas control, which has been underwater.
- ✓ When heater is placed on the ground, make sure the ground is level and keep any objects at least 60cm from the front of the heater.
- ✓ This heater is equipped with a tip over switch that will shut the heater off if the heater tips over.
- ✗ **DO NOT** leave heater unattended or where children may cause the heater to tip over.
- ✗ **NEVER** operate the heater while sleeping!
- ☐ **WARNING! ASPHYXIATION HAZARD**
- ✗ **DO NOT** use in unventilated areas. The flow of combustion and ventilation air must not be obstructed. Proper ventilation air must be provided to support the combustion air requirements of the heater being used. Refer to the heater dataplate, or contact the factory to determine combustion air ventilation requirements of the heater. Lack of proper ventilation air will lead to improper combustion. Improper combustion can lead to carbon monoxide poisoning leading to serious injury or death. Symptoms of carbon monoxide poisoning can include headaches, dizziness and difficulty in breathing.
- ☐ **WARNING! ANY GAS ODOUR IS YOUR SIGNAL TO GO INTO IMMEDIATE ACTION!**
- Propane /gas and Butane /gas have man-made odourants added specifically for detection of fuel gas leaks. If a gas leak occurs you should be able to smell the fuel gas. Since propane / gas is heavier than air you should smell for the gas odour low to the floor.
- ✗ **DO NOT** take any action that could ignite the fuel gas. **DO NOT** operate any electrical switches. **DO NOT** pull any power supply or extension cords. **DO NOT** light matches or any other source of flame. **DO NOT** use your telephone. Get everyone out of the building and away from the area immediately. Close all gas tank or cylinder fuel supply valves, or the main fuel supply valve located at the meter if you use natural gas. Gas is heavier than air and may settle in low areas. When you have reason to suspect a gas leak, keep out of all low areas. Use your neighbour's phone and call your fuel gas supplier and your fire department. **DO NOT** re-enter the building or area. Stay out of the building and away from the area until declared safe by the firefighters and your fuel gas supplier. **FINALLY**, let the fuel gas service person and the firefighters check for escaped gas. Have them air out the building and area before you return. Properly trained service people must repair any leaks, check for further leakages, and then relight the appliance for you.
- ☐ **WARNING! ODOUR FADING - NO ODOUR DETECTED**
- Some people cannot smell well. Some people cannot smell the odour of the man-made chemical added to gas. You must determine if you can smell the odourant in these fuel gases. Learn to recognize the odour of gas. Local gas dealers will be more than happy to give you a scratch and sniff pamphlet. Use it to become familiar with the fuel gas odour. Smoking can decrease your ability to smell. Being around an odour for a period of time can affect your sensitivity to that particular odour. Odours present in animal confinement buildings can mask fuel gas odour. The odourant in gas is colourless and the intensity of its odour can fade under some circumstances. If there is an underground leak, the movement of gas through the soil can filter the odourant. Gas odour may differ in intensity at different levels. Since gas is heavier than air, there may be more odour at lower levels. Always be sensitive to the slightest gas odour. If you continue to detect any gas odour, no matter how small, treat it as a serious leak. Immediately go into action as discussed above.
- ☐ **ATTENTION - CRITICAL POINTS TO REMEMBER!**
- ✓ Gas has a distinctive odour. Learn to recognize these odours.
- ✓ Even If you are not properly trained in the service and repair of the heater, **ALWAYS** be consciously aware of the odours of gas.
- ✗ If you have not been properly trained in repair and service of gas then **DO NOT** attempt to light heater, perform service or repairs, or make any adjustments to the heater on the gas fuel system.
- ✓ A periodic sniff test around the heater or at the heater's joints; i.e. hose, connections, etc., is a good safety practice under any conditions. If you smell even a small amount of gas, **CONTACT YOUR FUEL GAS SUPPLIER IMMEDIATELY. DO NOT WAIT!**
- ✓ If there is a leak on your appliance (smell of gas), take it outside immediately into a well ventilated flame free location where the leak may be detected and stopped. If you wish to check for leaks on your appliance, do it outside. **DO NOT** try to detect leaks using a flame, use soapy water.
- ✗ **DO NOT** use the appliance if it has damaged or worn seals
- ✗ **DO NOT** use an appliance which is leaking, damaged or which does not operate properly.
- ✓ Check that seals (between the appliance and the gas cartridge or gas cylinder) are in place and in good condition before connecting to the gas cartridge or gas cylinder.
- 1.1. GENERAL INFORMATION**
- ✓ The heater is to be used outdoors, but may experience nuisance shutoffs due to certain wind conditions.
- ✓ When the heater is cold or at room temperature, it will take a few minutes for the burner tile to turn bright orange. This is normal.
- ☐ **WARNING!** If burner tile is visibly flaming, turn heater off and call a qualified service technician.
- ✓ When the unit is lit, there should be about 0.6cm border around the tile that will not turn bright orange. This is normal.



- ✓ When operating the heater for the first time, the top area of the reflector may discolour. This is normal.
 - ✓ The protective grill on the front of this heater is coated with a special high temperature resistant paint. When the heater is used for the first time, the grill may give off noticeable smoke or fumes. This is normal and will not occur during subsequent uses.
 - ✓ When operating the heater at altitudes over 2134m above sea level, the unit may not burn as bright as in lower altitudes. This is normal. At higher altitudes, the heater may shut-off. If this happens, provide fresh air, wait 5 minutes and re-light. Due to local atmospheric conditions heater may not relight.
 - ✓ Operating time will be approximately 3 to 6 hours on a one 453g cylinder and 48 to 110 hours on a 9kgs cylinder (based on "HI" and "LO" settings).
 - ✓ Due to the properties of gas, runtime can be significantly reduced when operating continuously at temperatures below 6°C. Use of a 9kgs tank is recommended in these conditions.
 - ✓ When moving heater when lit or bumping heater setting it down, the tip over switch may shut off heater. If this happens, re-light.
 - ✓ Due to natural operation of small tanks, condensation may build up on tank and drip on surface under heater.
- CAUTION:** flaring may occur during warm up or if the appliance is moved.

2. INTRODUCTION

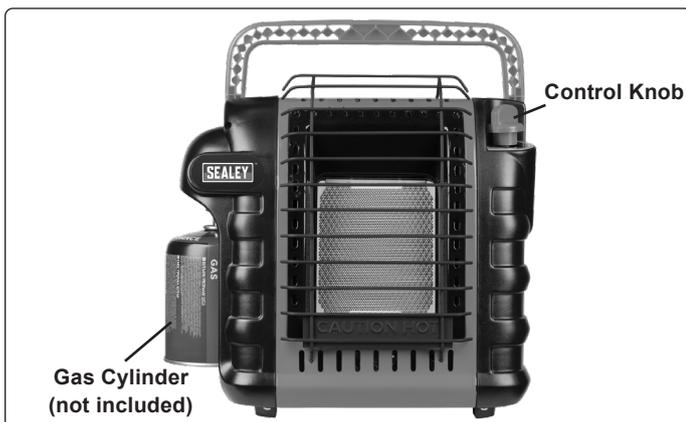
Portable propane heater delivers 4,750 to 8,871Btu/hr heat for spaces up to 20m². Intuitive controls with piezo ignition. Long lasting heat with up to 5 hours runtime on low or 2.5 hours on high using a standard 500g cylinder (not included). Equipped with automatic low oxygen shut-off (ODS) and tip-over protection for safe operation in enclosed spaces. Weighing only 3.6kg making it easily portable. Provides silent, odour-free heating for job sites, patios and outdoor activities such as camping and fishing.

3. SPECIFICATION

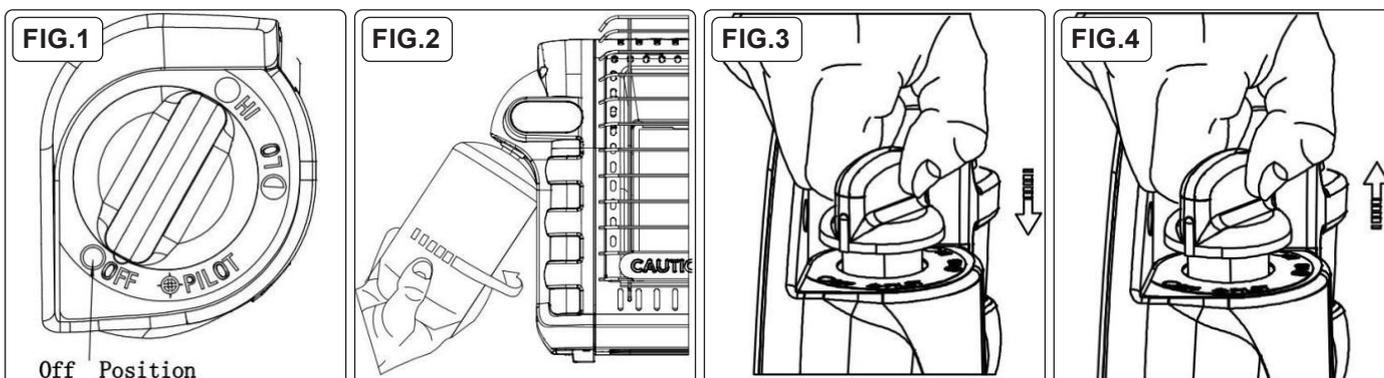
Model No:.....LP12
 Fuel Consumption:..... 86g/hr on low, 168/hr on high
 Fuel:.....Butane-Propane mixture
 Heated Area:.....20m²
 Nett Weight:..... 3.6kg
 Output:..... 4,750 to 8,871Btu/hr (1.4/2.6kW)
 Running Time (hrs):5hrs on Low, 2.5hrs on High
 Category: Direct Pressure

Clearance to Combustibles:.....
 Top:..... 76cm
 Front:..... 61cm
 Side:..... 15cm
 Rear:..... 0cm

4. CONTENTS



5. OPERATION



5.1. FITTING/CHANGING GAS CYLINDER

CAUTION: accessible parts may become very hot. Keep young children away from the appliance. Allow the appliance to cool before moving and/or storing.

- ✓ Always attach or detach cylinder outdoors away from flames, other ignition sources, and only when heater is cool to touch. Never smoke when attaching or removing propane cylinder or making remote connections!
- ✓ The Gas cylinder used must be constructed and marked in accordance with the specifications for gas cylinders of the Europe Department of transportation.
- ✓ Use only VAPOUR WITHDRAWAL propane supply. If there is any question about vapour withdrawal, ask your gas dealer.
- ✓ Use only disposable gas cylinders that mate with correct valve connection.

- ✓ Heater and attached cylinder must be in an upright position during operation.
 - ✓ **IMPORTANT:** The heater must not be exposed to flammable vapours or liquids during lighting.
 - ✓ Check that seals (between the appliance and the gas cartridge or gas cylinder) are in place and in good condition before connecting to the gas cartridge or gas cylinder.
- Ensure Control Knob is in "OFF" position (fig.1). Swivel regulator outward for easy tank installation. Screw disposable gas supply cylinder clockwise (from bottom) into portable heater until hand-tight (fig.2). Rotate the gas cylinder counter-clockwise to remove it. Check cylinder connection for leaks with soapy water at the threaded connection under the domed plastic cover where the cylinder screws into the regulator. **DO NOT** use any exposed flame to check for leaks. **DO NOT** over-tighten.



5.2. LIGHTING INSTRUCTIONS

Turn Control Knob counter-clockwise to "PILOT" position and depress to light (fig.1 & 3). If heater does not light, hold down for approximately 30 seconds; release and depress again. Repeat until pilot lights. After pilot lights, hold down for 30-60 seconds and then release knob. Knob should return to fully extended position (fig.4) To operate heater slightly depress knob and gently turn to lock in the "HI" position to light burner tile. Leave on "HI" position until burner tile turns bright orange. After burner tile has turned bright orange, adjust heat output by turning Control Knob to desired position ("LO" or "HI" setting).

5.3. SHUTDOWN

To shut off heater, slightly push down and turn Control Knob clockwise to "OFF" position (fig.1).

- ✗ **DO NOT** operate, store or remove cylinder near flammable items or ignition sources.
- IMPORTANT:** gas cylinders must be disconnected from heater when not in use.
- **WARNING!** After turning heater off, wire guard will remain hot. Allow to thoroughly cool before storing.

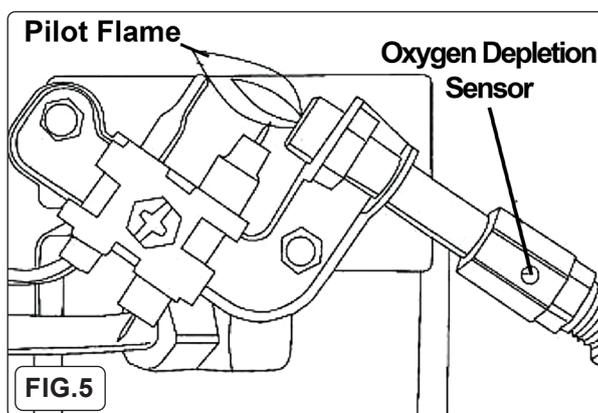
6. MAINTENANCE

- ✗ **DO NOT** modify the appliance.
- ✓ Any repairs must be performed by specialised personnel and using original replacement parts.
- ✓ Always keep the heater area clear and free from combustible materials, gasoline and other flammable vapours and liquids.
- ✓ Keep the vent areas (slots in the bottom and top of the heater) clear at all times.

IMPORTANT: The heater and its surroundings should be kept clean and free of dust.

6.1. CHECKING THE PILOT FLAME

- 6.1.1. Visually inspect the pilot flame and burner periodically during use. The pilot flame should be blue in colour (not yellow) and will extend to the thermocouple. The flame will surround the thermocouple just below the tip, see fig.5.
- 6.1.2. A slight yellow flame may occur where the pilot flame and main burner flame meet. The burner should be bright orange (with a slight blue colour around the border, a red-orange haze that is visible on the ceramic tile is acceptable) and without a noticeable flame.
- 6.1.3. A blue flame that rolls out at the top of the ceramic tile indicates an accumulation of dust, lint or spider webs inside the housing assembly and main burner assembly. If the pilot is yellow or the burner has a noticeable flame, cleaning may be required. It is necessary to periodically check the burner orifice and burner venturi to make sure that they are clear of things such as insect nests and spider webs that may accumulate over time. A clogged tube can lead to a fire.
- ✗ **DO NOT** use needles, wires or similar cylindrical objects to clean the pilot to avoid damaging the calibrated ruby that controls the gas flow through the pilot orifice. Clean with a soft cloth.



6.2. OFFSEASON & STORAGE

- 6.2.1. If the heater is put into storage, make sure to disconnect the (LP) gas cylinder.
- 6.2.2. When the LP gas cylinder is not disconnected from the heater, the heater and cylinder must be located outdoors, in a well-ventilated space, out of the reach of children, and must not be stored in a building, garage, or any other enclosed area.
- 6.2.3. Storage of the heater indoors is permissible only if the cylinder is disconnected and removed from the heater. Cylinders must be stored outdoors, in a well-ventilated space, out of the reach of children, and must not be stored in a building, garage, or any other enclosed area.

7. TROUBLESHOOTING

For additional assistance or information, please call an authorised service centre. Any repairs must be performed by specialised personnel and using original replacement parts.

PROBLEM	POSSIBLE CAUSE	SOLUTION
Spark electrode does not produce spark.	Spark electrode broken.	Replace ODs (Oxygen Depletion sensor).
	Igniter wire may not be attached to spark electrode.	Attach igniter wire.
	Igniter wire damaged.	Replace igniter wire.
	Piezo igniter is defective.	Replace gas valve assembly.
Spark electrode produces spark but pilot does not light.	No gas to heater.	Connect hose to heater and turn on valve at remote cylinder.
	Pilot is blocked with foreign debris.	Clean pilot. See maintenance section.

Pilot flame does not stay lit when knob is released.	Improper pilot lighting.	Make sure that the control knob is completely depressed in the "PILOT" position and held long enough to purge air from lines and to heat up thermocouple once the pilot flame appears.
	Pilot flame not surrounding thermocouple.	Clean pilot - see maintenance.
	Pilot assembly is defective.	Replace pilot assembly.
	Tip switch wires are disconnected.	Connect tip switch wires (check off switch and off switch wiring).
Main burner does not ignite.	Main burner orifice is blocked.	Clean burner - see maintenance.
Heater keeps shutting OFF during normal operation.	Pilot is blocked.	Clean pilot - see maintenance.
	Tip over switch activated from bumping heater.	Relight.
	Regulator defective.	Replace regulator.
	Internal contamination.	Replace control valve and Regulator.



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.



REGISTER YOUR PURCHASE HERE

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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