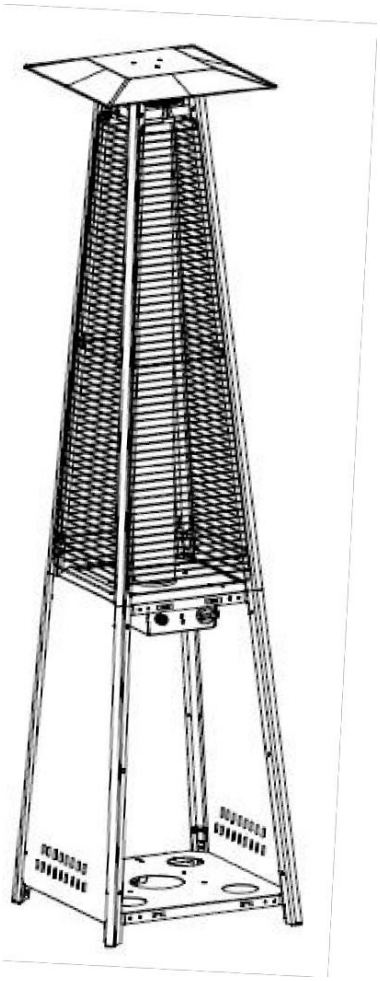
Pro-Tech GARDEN

Pro-Tech GARDEN 13kW Patio Gas Heater



Instructions for use

Translation of the original instructions

Warnings

• READ THE INSTRUCTIONS BEFORE USE.
• This appliance must be installed in accordance with applicable regulations.
• This appliance must be installed by a qualified person.
• Intended for use outdoors or in well-ventilated areas.
• This appliance must not be used for heating living spaces.
• This appliance must only be used for space heating.
• This appliance must not be used in basements or below ground level.
• This appliance does not have atmospheric sensors. It is intended exclusively for heating buildings used for animal husbandry or for outdoor use.
• This appliance requires an approved hose and regulator, as defined in the GAS REQUIREMENTS section of the manual, or consult your gas supplier.
• Do not place any objects on or near this appliance.
• Do not store chemicals, flammable materials or aerosol sprays near this appliance.
• Do not use this appliance in explosive environments, such as areas where petrol or other flammable liquids or vapours are stored.
• If you detect a smell of gas, close the gas valve immediately.
• Extinguish all open flames.
• If the smell persists, contact your gas supplier immediately.

The user assumes all risks associated with the installation and operation of the gas heater. Failure to follow the warnings and instructions in this manual may result in serious injury, death, or property damage. The supplier is not liable for the user's negligence.

In the event of strong winds, measures must be taken to prevent the appliance from tipping over. Do not connect the gas cylinder directly to the appliance without a regulator. Use only the type of gas and cylinder type specified in these instructions.

PLEASE READ THE FOLLOWING SAFETY INSTRUCTIONS CAREFULLY BEFORE USE.

• This patio heater is intended for outdoor use only.
• This outdoor heater is not intended for installation in recreational vehicles or boats.
• Do not use the heater to heat living spaces.
• Do not use the heater in basements or below ground level.
• A gas heater without an atmosphere detection device should only be used for heating buildings intended for animal husbandry or for outdoor use.
• Installation must comply with relevant national regulations.
• Installation and repairs should be carried out by a qualified service technician.
• Incorrect installation, adjustment or modification may result in personal injury or damage to property.
• Do not attempt to modify the device in any way.
• Never replace or substitute the controller with any controller other than that recommended by the manufacturer.
• Remove the transport protection before use.
• Do not store or use petrol or other flammable vapours or liquids in the heater.
• Sealing tape must be used on all threaded gas connections to prevent leaks.
• The entire gas system, hose, regulator, igniter or burner should be checked for leaks or damage before use and at least once a year by a qualified service technician.
• All leak tests should be carried out using a soapy water solution. Never use an open flame to check for leaks.
• Do not use the heater until all connections have been checked for leaks.
• If you detect a smell of gas, close the gas valve immediately.
• Do not move the heater whilst it is in operation.
• Once the heater has been switched off, do not move it until it has cooled down.
• Keep the ventilation opening in the cylinder cover clear and free of debris.
• Do not paint the radiant shield, control panel or top reflector of the casing.
• The control compartment, burner and air circulation ducts of the heater must be kept clean.
• Frequent cleaning may be necessary if required.
• When the heater is not in use, you should close the gas cylinder.
• Check the heater immediately if any of the following occur:
- The heater does not reach the desired temperature.
- The burner makes a crackling sound during operation (a slight noise is normal when the burner is off).
- You can smell gas and the burner flames are an extremely yellow colour.
• Avoid inhaling the fumes released when the heater is first used. Smoke and the smell of burning oils used in manufacturing will be present. Both the smoke and the smell will dissipate after approximately 30 minutes.
• The hose assembly must be positioned away from footpaths where people might trip over it, in an area where it will not be exposed to accidental damage.

• Avoid twisting flexible pipes and hoses.
• Any cover or other protective device removed for the purpose of heater maintenance must be reinstalled before the heater is started.
• Adults and children should keep away from high-temperature surfaces to avoid burns or clothing catching fire.
• Children should be kept under close supervision when near the heater.
• Clothing or other flammable materials should not be hung on the heater or placed on or near it.

Heater placement

• The heater is intended primarily for outdoor use only. Do not use it indoors or in enclosed spaces. Always ensure adequate ventilation with fresh air.
• Do not use the heater for domestic heating.
• Do not use the heater in basements below ground level.
• Always maintain a distance of 120 cm (47") from flammable materials, or at least 45 cm (18") above the heater and 60 cm (24") to the sides.
• The heater must be placed on a level and stable surface.
• Never use the heater in an explosive environment, such as areas where petrol or other flammable liquids or vapours are stored.
• To protect the heater from strong winds, secure the base firmly to the ground using screws.

Gas requirements

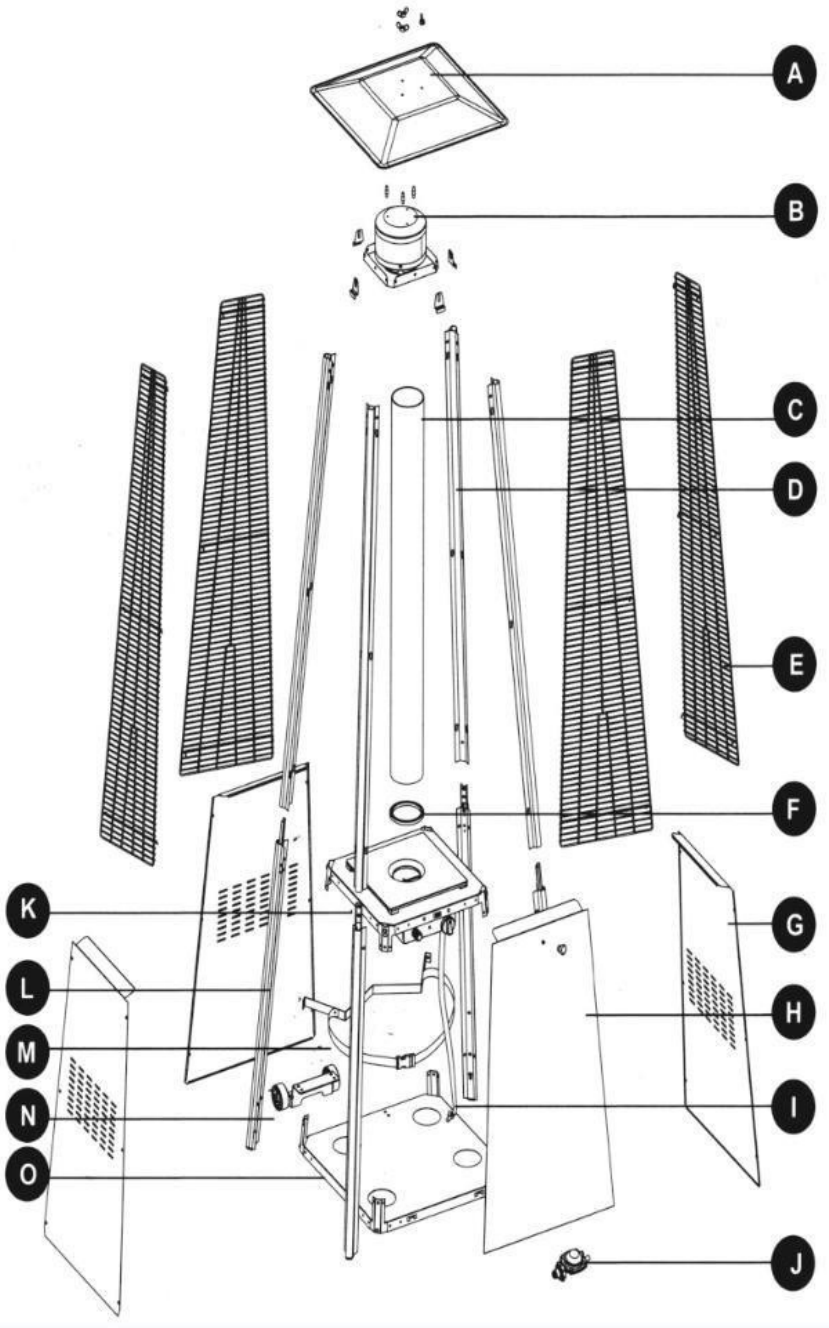
• Use only propane, butane or LPG.
• The heater is designed for use with a 10 kg cylinder. The maximum cylinder size suitable for this appliance is 30 cm x 59 cm (H). The internal dimensions of the base with support bars are 32.5 cm x 60 cm (H).
• The appliance requires an approved 60 cm gas hose and a regulator.
• The maximum inlet pressure of the regulator must not exceed 690 kPa (100 PSI).
• The regulator outlet pressure must be 28 mbar (2.8 kPa or 11" W.C.) to 50 mbar, depending on the country.
• The hose and regulator must comply with local standards.
• The installation must comply with local regulations or, if no local regulations exist, with standards for the storage and handling of liquefied petroleum gases.
• A rusted or damaged gas cylinder can be dangerous and should be checked by your gas supplier. Never use a gas cylinder with a damaged valve connection.
• The gas cylinder must be positioned to allow vapour to escape from the cylinder during use.
• Avoid twisting flexible pipes and hoses.
• Never connect an unregulated gas cylinder to the heater.
• Disconnect the gas cylinder when the heater is not in use.

Leak test

WARNING: Never carry out a leak test whilst smoking.

The gas connections on the heater are leak-tested before leaving the factory. A full leak test must be carried out at the installation site, as the heater may have been mishandled during transport or subjected to excessive pressure. The heater must be checked with a full cylinder.
1. Ensure that the safety relief valve is in the OFF position.
2. Prepare a soapy solution using one part liquid detergent and one part water.
You can apply the soapy solution using a spray bottle, brush or cloth to all gas connections. If there is a leak, soap bubbles will appear.
3. Turn on the gas supply.
4. If a leak is detected, turn off the gas supply. Tighten any loose fittings, then turn the gas supply back on and check again. If bubbles continue to appear, contact your gas supplier and ask for assistance.

Product description



A Reflector

B Top plate assembly

C Glass tube

D Top support

E Protective cover

F Black rubber ring

G Side panel

H Front panel

I Gas hose (not included; the buyer must purchase this separately)

J Gas regulator (not included; the buyer must purchase this separately)

K Control panel kit

L Bottom support

M Gas cylinder stand with fixed beam, including fixed rope strap

N Set of wheels

O Base plate

A. Design and features

- Portable patio/garden heater with tank
- High-temperature resistant glass tube
- Heat radiation from the reflector
- Control knob with electric pulse ignition
- Tilt switch automatically switches off the heater if the appliance is accidentally knocked over

B. Technical specifications

Model: HT-H-2001
Heat output: 13 kW (946 g/h)
Category: I3B/P, I3+
Gas type: G30/G31 (LPG)
Operating pressure: 28–30/37 mbar

Ignition instructions:
Check and ensure that there is an AAA battery in the ignition chamber. The positive (+) side of the battery must face outwards.

FOR OUTDOOR USE ONLY
After use, close the valve on the gas cylinder or regulator. Using this appliance in enclosed spaces can be dangerous and is PROHIBITED. Read the instructions before using this appliance. The appliance must be installed in accordance with the instructions and local regulations. Intended for use outdoors and in well-ventilated areas. A well-ventilated area must have at least 25% open area. The area is the sum of the wall areas.
This appliance requires a regulator as defined in the GAS REQUIREMENTS, or consult your gas supplier.

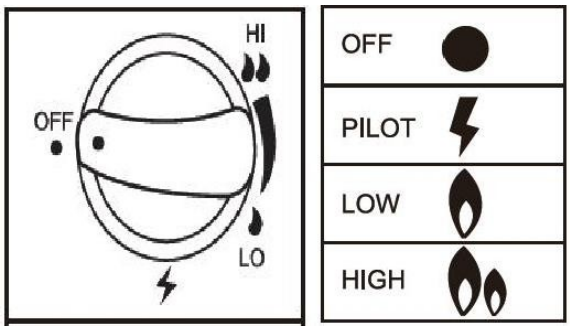
Operation

Ignition

1. Unscrew the ignition button on the burner and check that a battery is inserted. If there is no battery in the ignition button, insert it into the slot in the ignition button.
2. Ensure that the ignition control is turned to the “OFF” position. Connect the propane cylinder and slowly open the cylinder valve by turning the knob anticlockwise.
3. Press and turn the ignition control to the “pilot” position; hold it down for 1 minute.
4. Press the ignition button whilst still holding the control knob down to create a spark.
5. Check that the pilot flame is visible through the glass tube. If so, turn the control knob to the ‘LOW’ position.
6. For maximum flame height and heat output, turn the control knob to the “HIGH” position.

Switching off

1. Press and turn the ignition control knob clockwise to the “OFF” position.
2. Close the valve on the propane cylinder to cut off the gas supply, and disconnect the propane cylinder. WARNING: Failure to strictly follow the ignition instructions may result in a fire or explosion, which could cause property damage, personal injury, or death.



WARNING:

Before use, check the entire gas system, hose, regulator, pilot flame or burner for damage.

1. Check the hose assembly for signs of excessive chafing, cuts or wear. Suspicious areas should be tested for leaks. If the hose is leaking, it must be replaced with a new one that complies with local standards.
2. Avoid twisting flexible pipes and hoses.
3. Ensure that the ventilation openings in the cylinder cover, control compartment, burner and heater air circulation ducts are clear and free of debris. If you find debris, clean the openings using a strong pipe cleaner or compressed air.
4. Always keep a dry chemical fire extinguisher to hand.
5. For safety reasons, always wait 5 minutes after switching off completely before reigniting a hot heater.

WARNING:
Once the heater has been switched off, do not move it or cover it with a protective cover until the temperature has dropped.

Replacing the gas cylinder

1. Close the gas cylinder valve.
2. Disconnect the regulator from the cylinder following the instructions supplied with the regulator.
3. Replace the cylinder.
4. If there is no flame, remove the plug or sealing cap from the cylinder valve.
5. Before connecting the regulator, check that the seal is present and in good condition.
6. Carry out a leak test using soapy water.

WARNING:
1. The cylinder must be replaced in an area free from open flames.
2. Ensure that all taps on the appliance are in the closed position.

Storage

• Always close the gas cylinder valve after use or in the event of a fault.
• If the heater is not going to be used for a long time, remove the pressure regulator and the hose connection.
• Store the cylinder outdoors in a well-ventilated area out of the reach of children.
• Storing the heater indoors is only permitted if the cylinder is disconnected and removed from the heater.
• Check the gas valve for leaks and damage. If you suspect damage, have it replaced by your gas supplier.
• Never store a liquid gas cylinder underground or in poorly ventilated areas.

Cleaning and maintenance

• Wipe powder-coated surfaces with a soft, damp cloth and soapy water. Do not clean the heater with flammable or corrosive cleaning agents.
• Remove dirt, cobwebs and insect nests from the ventilation openings of the cylinder cover, the control compartment, the burner and the heater's air circulation ducts using a durable pipe cleaner or compressed air to ensure the appliance is clean and safe to use. Never clean the openings or other passages with toothpicks or other objects that may break and block the openings.
• If carbon deposits build up, remove the reflector and flame guard and clean them with soapy water. Do not paint the flame guard, control panel or reflector.
• When the heater is not in use, cover the burner with the supplied protective cover. Wait until the heater has cooled down before covering it.
• In environments with salty air, such as near the sea, corrosion occurs more quickly than usual. Check regularly for signs of corrosion and repair them immediately if necessary.

WARNING:

1. Do not carry out maintenance after switching off the heater until the temperature has dropped.
2. Do not expose the igniter, controls and parts under the burner to water. If any of these parts come into contact with water, do not use the appliance until it has been checked or repaired by a qualified service technician.

General safety warnings

• Install at least one smoke detector on every floor of your home.
• Always keep at least one working ABC dry powder fire extinguisher in your home.
• Keep areas around heat sources free of paper and rubbish.
• Store paints, solvents and flammable liquids away from all sources of heat and ignition.
• Draw up an escape plan in the event of a fire before one occurs. Ensure that every member of the household understands this plan and is able to carry it out in an emergency.
• If your clothes catch fire, do not run. Immediately lie down on the ground and roll around to extinguish the flames.

First aid for burns

EYES

Seek medical attention IMMEDIATELY. Do not put any ointments or liquids into the eye.

OTHER AREAS

• If the burn does not heal within 24 hours, or is larger than the palm of your hand, consult a doctor.
• In serious cases, call an ambulance or a doctor immediately.
• If possible, rinse the affected area under cold water (not ice or ice-cold water) for 10–15 minutes, provided the skin is intact. Cut away and carefully remove any clothing covering the burnt area, without pulling it across the burns. Leave clothing that is stuck to the burns in place. Do not apply any creams or ointments to the burnt area.
• If the victim has burns to their hands or wrists, remove any jewellery (rings, watches, etc.) if possible without causing further injury, and place it in a bag. This will prevent the need to cut the jewellery off, as burns usually cause swelling.
• Do not pierce any blisters. Cover the burn with a light gauze dressing.
• If the blisters burst, apply a light antibiotic ointment and bandage as described above.