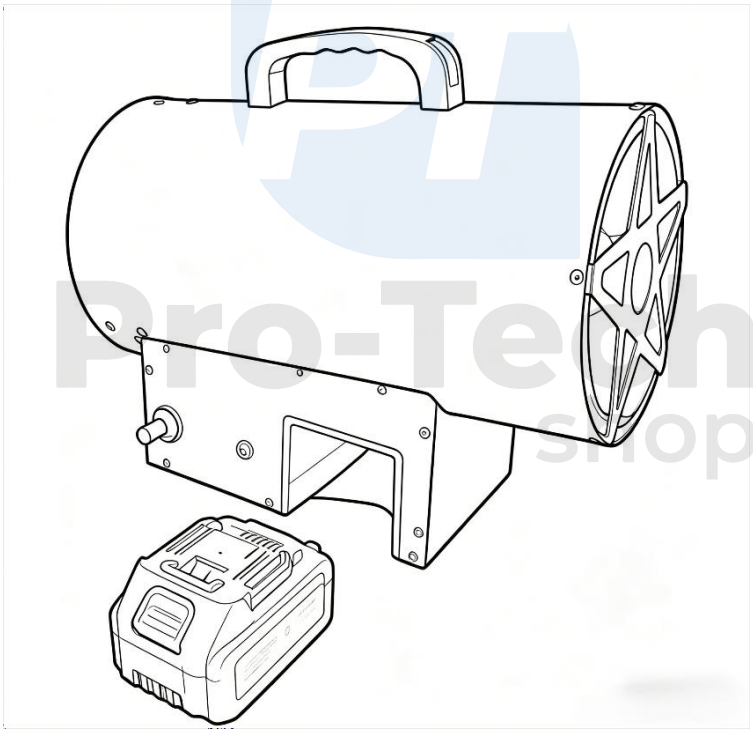
Pro-Tech TOOLS

25 kW battery-powered industrial gas heater



Instructions for use

Translation of the original instructions

WARNING!

YOUR SAFETY IS IMPORTANT FOR YOU AND THOSE AROUND YOU, SO PLEASE READ THESE INSTRUCTIONS BEFORE USING THIS HEATER.

GENERAL SAFETY WARNING:

FAILURE TO FOLLOW THE SAFETY PRECAUTIONS AND INSTRUCTIONS SUPPLIED WITH THE HEATER MAY RESULT IN DEATH, SERIOUS INJURY, LOSS OR DAMAGE TO PROPERTY DUE TO THE RISK OF FIRE, EXPLOSION, BURNS, SUFFOCATION, CARBON MONOXIDE POISONING OR ELECTRIC SHOCK.

THIS HEATER MUST ONLY BE USED OR REPAIRED BY PERSONS WHO UNDERSTAND AND FOLLOW THESE INSTRUCTIONS. IT

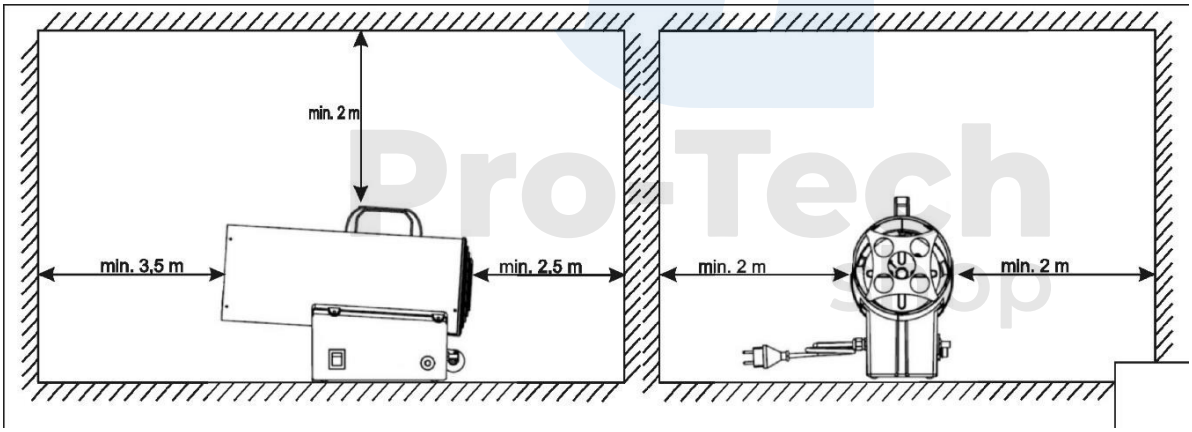
IS NOT INTENDED FOR USE IN THE HOME OR IN MOTORHOMES.

● Use only in well-ventilated areas and away from flammable materials
● It MUST NOT be used for heating living spaces in homes; for use in public buildings, follow national regulations.
● After use, close the gas supply at the cylinder valve.
● Before lighting the burners, ensure that the fan is working properly.
● This appliance may be used by children aged 8 years and above and by persons with reduced physical, sensory or mental capabilities, or lack of experience and knowledge, provided they are supervised or have been given instructions regarding the safe use of the appliance and understand the associated risks. Children must not play with the appliance. Cleaning and maintenance must only be carried out by an adult.

WARNING: To prevent overheating, do not cover the heater.

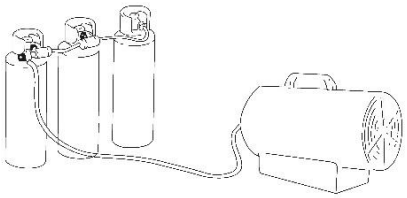
● Children under 3 years of age should be kept away unless under constant supervision.
● Children aged 3 to 8 years may only switch the appliance on and off if it is positioned or installed in the normal operating position for which it is intended, and if they have been supervised or instructed on the safe use of the appliance and understand the associated risks. Children aged 3 to 8 must not plug the appliance into a socket, adjust it, clean it or carry out maintenance.
● WARNING – some parts of this product may become very hot and cause burns. Particular attention must be paid to areas where children and vulnerable persons are present.

Safety distance



1. GENERAL INSTRUCTIONS

1.1 The heater described in this manual must only be used outdoors or in well-ventilated areas.
1.2 For every kW, ensure continuous ventilation of 25 cm^3, evenly distributed between the floor and the ceiling, with a minimum flow rate of 250 cm^3.
1.3 Gas cylinders must be used and stored in accordance with applicable regulations.
1.4 Never direct the hot air flow directly onto the cylinder.
1.5 Use only the supplied pressure regulator.
1.6 Never use the heater without the cover.
1.7 Do not exceed 100 W/m^3 of free space. The minimum room volume must be greater than 100 m^3.
1.8 Do not cover the inlet or outlet sections of the heater.
1.9 If the heater has to operate at maximum power for a long time, frost may form on the cylinder. This is caused by excessive gas consumption. For this or any other reason, the cylinder should not be heated. To prevent this, or at least minimise it, use a large cylinder or two cylinders joined together (see illustration).



1.10 Do not use the heater in cellars, basements or any room below ground level.
1.11 In the event of a fault, contact the service department.
1.12 Close the valve on the gas cylinder after use.
1.13 The gas cylinder must always be replaced in accordance with safety regulations, away from any possible source of ignition.
1.14 The gas hose must not be twisted or bent.
1.15 The heater must be placed where there is no risk of fire; the hot air outlet must be at least 3 m away from any flammable wall or ceiling and must never be directed towards the gas cylinder.
1.16 Use only the original gas hose and spare parts.
1.17 The heater described in this manual is not intended for domestic use.
1.18 If you detect or suspect a gas leak, immediately shut off the gas cylinder, switch off the heater and do not use it until it has been checked by a qualified service centre. If the heater is installed indoors, ensure good ventilation by fully opening doors and windows. Do not create sparks or open flames.

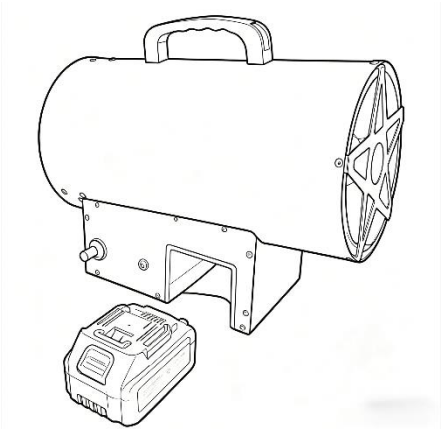
2. INSTALLATION

2.1 Connect the heater to a DC21V battery.
2.2 Connect the gas inlet hose to the pressure regulator and connect the regulator to a suitable LPG cylinder.
2.3 Open the valve on the cylinder and check that there are no gas leaks from the supply hose or fittings. It is recommended to use an approved leak detector for this operation.
2.4 NEVER USE AN OPEN FLAME NEAR THE HEATER OR THE CYLINDER.

3. INSTRUCTIONS FOR USE

PREPARATION FOR USE

1. Check the heater for any damage caused during transport.
2. Connect the hose and regulator to the LPG cylinder by turning the nut anti-clockwise onto the cylinder valve outlet and tighten it securely.
3. Open the cylinder gas valve and check all gas connections using a soapy water solution.
4. Connect the power cable to a properly earthed 220 V~, 50 Hz power supply, or insert a DC21V battery into the unit.



Insert the DC21V battery into the heater

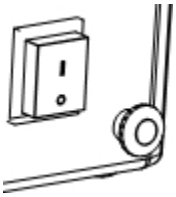
3.1 IGNITION

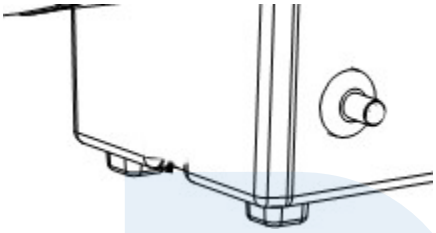
SWITCHING ON / Manual switch-on

a. Switch the main switch to position I and check that the fan is running correctly.



b. Press the gas valve button and ignite the flame by repeatedly pressing the piezo igniter. (Fig.)





c. Once the flame is lit, hold the valve button down for approximately 10 seconds. If the heater stops after releasing the valve button, wait one minute and repeat the start-up procedure, holding the valve button down for longer.

d. Adjust the gas supply pressure to the desired heat output by turning the regulator knob anticlockwise to increase the pressure, or clockwise to decrease the pressure.

WARNING

If ignition is difficult or irregular, before repeating the ignition procedure, ensure that the fan is not blocked and that the air inlet and outlet are not obstructed.

3.2 SWITCHING OFF

To switch off the heater, close the valve on the gas cylinder. Leave the fan running until the flame goes out, then switch the fan switch to the O position.

3.3 AIR CONDITIONING

a. The heater can also be used as a fan.
b. In this case, disconnect the gas supply hose and connect the heater's plug to a suitable power source, or insert a DC21V battery into the heater.
c. Set the fan switch to the I position.

WARNING ABOUT ODOUR DISAPPEARANCE

WARNING

Risk of suffocation

1. Do not use the heater to heat living spaces.
2. Do not use in unventilated areas.
3. The flow of combustion and ventilation air must not be restricted.
4. A sufficient supply of ventilation air must be ensured to meet the combustion air requirements of the heater in use.
5. A lack of proper air supply will result in incomplete combustion.
6. Improper combustion can lead to carbon monoxide poisoning, which can cause serious injury or death. Symptoms of carbon monoxide poisoning include headaches, dizziness and difficulty breathing.

THE SMELL OF FUEL GAS

LPG and natural gas contain artificial odourants added specifically to detect fuel gas leaks.

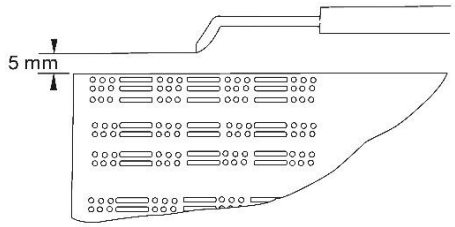
Pro-Tech shop

If a gas leak occurs, you should smell the odour of the fuel gas. As propane (LPG) is heavier than air, you should smell the gas near the floor. ANY SMELL OF GAS IS A SIGN TO TAKE IMMEDIATE ACTION!

1. Do not take any action that could ignite the fuel gas. Do not operate any electrical switches. Do not pull out any power cables or extension leads. Do not light matches or any other source of flame. Do not use the telephone.
2. Evacuate everyone from the building and the surrounding area immediately.
3. Close all valves supplying propane (LP) from the tank or cylinder, or the main fuel supply valve located on the meter if you are using natural gas.
4. Propane (LP) is heavier than air and can accumulate in low-lying areas. Do not enter low-lying areas.
5. Use a neighbour's telephone to call your gas supplier and the fire brigade. Do not return to the building or the area.
6. Stay outside the building and move away from the area until the fire brigade and your gas supplier have declared it safe.
7. FINALLY, have a service engineer and the fire brigade check for gas leaks. Let them ventilate the building and the area before you return. Properly trained service technicians must repair any leaks, check for further leaks, and then reignite the appliance for you.

4. MAINTENANCE

4.1. Repairs or maintenance must only be carried out by qualified personnel.
4.2. The appliance must be inspected by a qualified technician at least once a year.
4.3. Check the condition of the gas hose and gas regulator regularly; if replacement is necessary, use only original spare parts.
4.4. Before carrying out any maintenance on the heater, disconnect it from both the gas supply and the mains electricity supply.
4.5. If the appliance has not been used for a long time, we recommend that a technician carries out a general inspection before use. It is important to check the following:
4.5.1. Check the condition of the gas supply hose regularly and, if it needs replacing, use only genuine spare parts.
4.5.2. Check the position of the ignition electrode (see fig.).



4.5.3. Check the connections of the safety thermostat and thermocouple: they must always be clean and free of dust. If necessary, clean the fan blade and the interior of the heater with compressed air.

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Technical specifications

Product code: PT41980
Model: GH-15D
Power: 25 kW
Alternating current (AC): 220–240 V/50 Hz
Direct current (DC): 21 V
Fuel consumption: 0.73 kg/h
Operating gas pressure: 0.3 bar