

***RADIANT HEATER***

## RADIANT HEATER

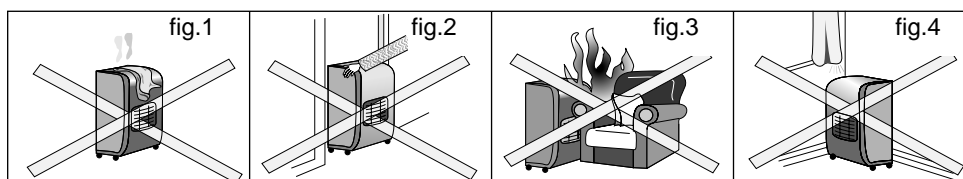
### Technical Data

Type	Category	Maximum Input		Low Input		Gas pressure
see rating label		KW	g/h	KW	g/h	
		4.20	305	1.50	109	

This appliance is designed to operate with Butane, propane or mix LPG at nominal pressure: 28 ÷ 30 mbar. For a correct gas combustion the required air quantity is 8,4 m<sup>3</sup>/h.

### WARNINGS

- ALWAYS use heater in accordance with instructions. Read the instructions book carefully and keep it in a safe place.
- This appliance requires a rubber tube and a pressure regulator in accordance with the law in force. If not supplied check with your gas supplier.
- Use ONLY in a well ventilated area.
- This appliance MUST NOT be used in basements, high rise flats, bathrooms or bedrooms and in rooms having volume less than 15 m<sup>3</sup> (30 m<sup>3</sup> in living rooms).
- This appliance emits the combustion residues in the room in which is used.
- DO NOT place clothes or other materials on the heater, as apart from the danger of fire their presence could affect the efficient working of the appliance (fig. 1).
- DO NOT move heater from room to room when it is lit (fig. 2).
- DO NOT position heater alongside a wall or near curtains or arm-chairs etc. (fig. 3 - 4).
- ALWAYS face heater towards centre of room. Special care should be taken if the heater is on



a surface where it can move or twist on its wheels or castors if knocked by a child or dog, etc.

- Minimum Clearance : 200 mm from sides, 1500 mm from front.
- Be sure installation is complying to local standard.

### Safety devices

The heater you have purchased is fitted with safety devices which come on in the event of malfunctioning while the appliance is in use. If the pilot light (placed opposite the burner) accidentally goes out, or if the room is not sufficiently ventilated, the safety device will block the gas flow, causing the heater to go off.

### Gas leakages

If a leak is suspected, turn off gas at the gas bottle, open the window and air the room. DO NOT disconnect the pressure regulator. Extinguish all naked lights. Slowly turn the gas on and brush the connections with soapy water or liquid detergent - a gas leak will form bubbles. If a leak is found, turn the gas off and inform your Dealer. DO NOT use the heater again until it has been inspected by your Dealer.  
NEVER USE MATCHES TO FIND LEAKS.

## GENERAL SAFETY INSTRUCTIONS - Gas bottle

Gas Bottle with 9 kg of maximum capacity can be installed. Changing of gas bottle must not be carried out in the presence of a naked flame. Use the gas bottle always in upright position. **MAKE SURE** the black neoprene "O -Ring Seal is in place on the regulator bullnose. Regularly examine, and if unduly compressed or damaged, replace. Support regulator with one hand while aligning the regulator bullnose (threaded part) with the threaded gas outlet on cylinder valve. Screw regulator handwheel **ANTICLOCKWISE** (LEFT HAND THREAD) into gas outlet. Tighten regulator handwheel as tight as possible by hand only. **DO NOT USE TOOLS OR LEVERS TO TIGHTEN.** When connecting the regulator to the gas cylinder, avoid undue twisting of the flexible hose. To place the bottle in position, remove the rear panel which faces the inside during transport, by unfastening the screws; then put the bottle in position and replace the panel. **PLACE** the cylinder in the heater cabinet so that the cylinder valve is facing into the compartment. Take care to ensure that it is positioned in such a way that the flexible hose does not come into contact with the metal panels of the heater, and avoid twisting of the flexible hose. **OPEN** cylinder valve by turning handwheel **ANTICLOCKWISE**. Now refer to the lighting instruction on the heater itself. Please read carefully and follow the instructions. Do not turn the bottle upside down to use completely its content.

## Pressure regulators, rubber tubes and clips

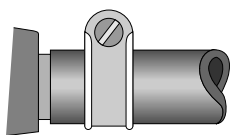


fig. 5

**CHECK** that tubing is completely over the nozzles at each end of the tubing and that it is held firmly in place by tube clips (See fig.5). Check the expiry date and state of the rubber tube regularly. If it is past its expiry date or has been damaged, replace it with one which complies with the current regulations. When connecting the pressure regulator to the gas bottle avoid undue twisting of the flexible tubing.

This heater must be used with an approved Low Pressure Regulator which complies with SAB S1237. The regulator is required to reduce the pressure of the gas in the cylinder from about 700 kPa to about 28 mbar to operate the radiant - the heating panels).

## Ventilation

### USE ONLY IN A WELL VENTILATED ROOM

Adequate ventilation must be provided in rooms in which the heater is used. This ensures removal of the products of combustion and allows the entry of replacement air.

The following table shows the smallest size of room suitable for each heat setting and the dimensions of the aperture which must be provided equally divided between high and low level, according with the maximum, medium or minimum power.

Room Size	Room Aperture
42 m <sup>3</sup>	105 cm <sup>2</sup>





## Safety guard

The guard is to prevent risk of fire and no part of it should be permanently removed.

**It does not give full protection for young children or the infirm.**

## OPERATING INSTRUCTIONS

### Lighting the heater

1. Turn on the gas at the gas bottle tap.
2. FROM "●" POSITION, fully depress the control knob for 10 seconds and turn to  (Small Flame) position. (If pilot flame does not ignite return to starting position and repeat). Continue to fully depress the knob for a further 20 seconds to allow the thermocouple probe to heat up then turn the knob to select the desired setting as follows:
  - .... (Small Flame) Low Input
  -  (Medium Flame) Medium Input,
  - .... (Big Flame) Maximum Input,

### Auxiliary ignition

Should piezoelectric starter fail to work, repeat operation on control knob and use a match to light pilot flame.

### Turning off the heater

Turn off the gas bottle tap. The heater will be totally "OFF" only if the tap at the gas bottle is turned off.

### Important

When the operating knob is left at the end of the starting time (see rating plate), this must move up about 5 mm and return to his starting height. If this does not happen, shut the gas valve and contact your aftersales service centre. Do not let the item work with the operating knob pressed downwards by force.

## VENTILATED RADIANT HEATER

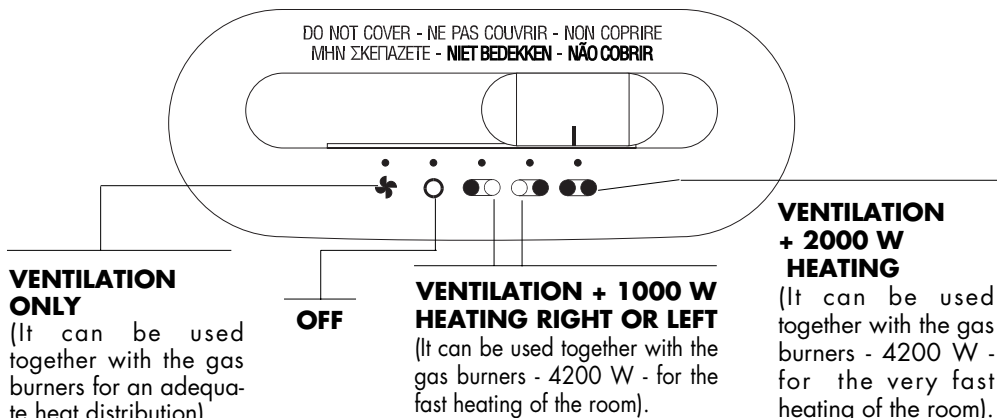
### Electrical connection

- Before using the appliance check that your supply voltage is the same as that shown on the rating label of the unit.
- Connect your heater to earth provided socket only, having a capacity of at least 10/16 A.
- THIS APPLIANCE COMPLIES WITH THE EEC DIRECTIVE 89/336, relating to electro-magnetic compatibility.

### OPERATION AND USE

Fully insert plug into socket-outlet and switch on the fan heater following the instructions below.

Before switching on the gas burner, read carefully the relevant operating instructions.



**IMPORTANT**

DO NOT cover the appliance when in operation, this could cause a dangerous rise of the temperature of the fan heater with consequent risk of fire.

**Important notes**

- Your heater must always be earthed: warranty does not cover damages caused by non-observance of this warning.
- Do not use your heater close to wash-basin, bath-tub, shower, swimming pool.
- Do not lay the cable on the hot unit.
- Use the appliance only standing on the floor.
- The heater must always operate in upright position.
- Do not cover either the hot air output or input grid on the top of the unit during service.
- Replacement of the power cable must be carried out by qualified personnel. Always use original spare parts supplied by the manufacturer.
- The heater must not be located immediately below a fixed socket outlet.
- Never direct the fan heater's air flow towards furniture, curtains, spray cans and inflammable material.
- Do not install the appliance in a room which might contain gas, oil or sulphur, or near sources of heat.
- After an extended period when the heater is not in use check the "O"-Ring Seal before lighting up the heater. Replace the "O" Ring Seal if cracked or broken.
- Do not use the appliance in the mountains at high altitudes.
- **DIARISE: During March/April of each year check the "O" Ring Seal.**

**MAINTENANCE**

Wipe your appliance with a soft damp cloth and only when it is switched off, cold and unplugged. Do not use solvents or abrasives detergents.

Check that there is no dust blocking the air inlet or outlet grids. Clean using a vacuum cleaner. When not in use remove plug from socket and store cable as shown in Fig. 6. When not in use the heater should be covered and stored in a dust-free place. Refer any major maintenance to your Local Authorised Dealer. Major servicing should be carried out every 2 - 3 years. If in doubt refer to your nearest authorised dealer.

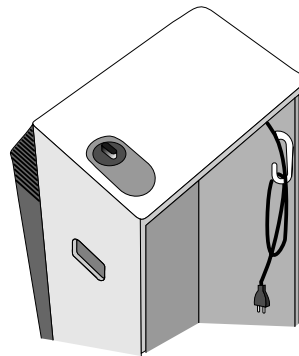


Fig. 6

