

**READ INSTRUCTIONS CAREFULLY: READ AND FOLLOW ALL INSTRUCTIONS.
PLACE INSTRUCTIONS IN A SAFE PLACE FOR FUTURE REFERENCE.
ONLY USE IN A WELL VENTILATED AREA**

USER MANUAL

**FOR
MOBILE GAS HEATR
(KF-001B / KF-001C)**



**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**

WARNING

1. Read the instructions before using this appliance.
2. Never attempt to light if the hose is loose or damaged in any way.
3. Do not cover the heater.
4. Never disconnect the regulator while cylinder valve or regulator is open.
5. Do not change cylinders in areas in which open fire exists.
6. Do not expose your cylinder to extreme heat.
7. Do not store any other cylinders in the room in which your heater is used.
8. Keep young children and animals away from the heater. Do not insert your finger or any other material through the front panel of the heater.
9. Do not let unauthorized persons to tamper with your heater
10. Do not place appliance under electrical socket outlets.
11. This heater must not be used without a gas cylinder fitted for stability purposes.
12. Do not cover your heater. Fabrics, clothing, hangings, net curtains, bed linens and other flammable materials may ignite if placed against the outlets of your heater.
13. In the event of leakage, the appliance should be turned off at cylinder valve and the regulator disconnected from the cylinder. Call your gas supplier immediately.
14. After use turn off the appliance at the gas container valve.
15. This appliance requires a hose and a regulator, check with your gas supplier
16. Only use in well ventilated areas.
17. Do not use in vehicles, caravans or auto caravans.
18. Do not attempt to use in high-rise flats, basements, bathrooms or bedrooms.
19. This appliance should be tested for leaks before initial use and whenever the cylinder is re-connected.
20. It is important that all gas connections have been correctly made to prevent any leakage. Do not use naked flame to test for leaks. Use soapy water.
21. Always use your cylinder always in an upright position.
22. Always close the cylinder valve when the heater is not in use.
23. When lighting your heater for the first time or after a period of time has passed since the last use, light the heater outside and burn outdoors for 15 minutes.
24. Do not use your heater while sleeping.
25. The guard on the appliance is to prevent risk of fire or injury from burns and no part of it should be permanently removed. It does not give full protection for young children or the infirm. We would recommend a fireguard to be fitted.
26. Do not move the heater and cylinder when in use.

27. Do not use it as clothes dryer.

USING ENVIRONMENT

Your heater consumes oxygen while it is in function. For that reason, adequate ventilation should be provided in rooms in which the heater is used. This ensures the removal of products of combustion and allows the entry of replacement air.

Adequate ventilation should considerably reduce the possibility of condensation occurring. The following table shows the smallest sizes of room suitable for each heat setting and the ventilation.

FOR INFRARED MODELS:

Number of radiant continuously IN USE	ROOM SIZE	VENTILATION	
		Low level	High level
1	40 cubic metres - 4m*4m*2.5	40cm ²	40cm ²
2	70 cubic metres - 7m*4m*2.5	70cm ²	70cm ²
3	105 cubic metres - 105m*4m*2.5	105cm ²	105cm ²

Packing details:

When you receive a new heater, you will find the below parts inside the carton:

- 1, one piece heater
- 2, two pieces legs
- 3, four pieces wheels
- 4, two pieces screws and one piece manual.

This heater is suitable for Floor stand and Wall mounted using.

So choose which style you want to use, and install the heater according to the procedures.

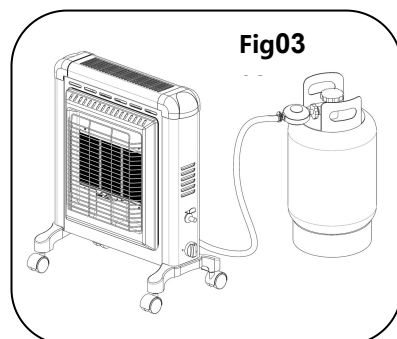
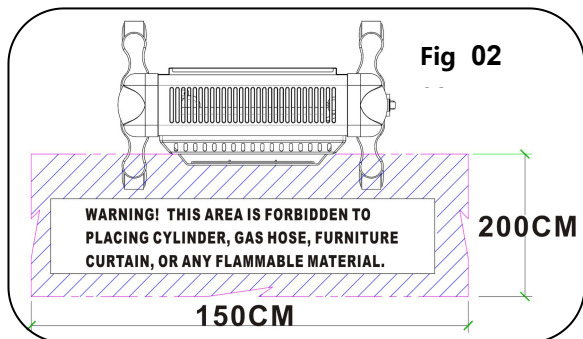
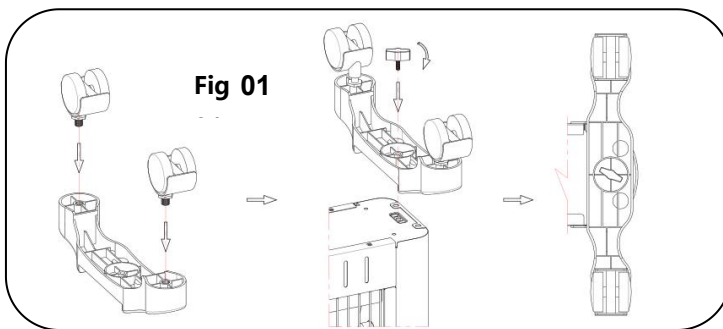
A. Floor Stand Installation Procedures

- 1), install the legs and wheels according to the pictures **Fig01**

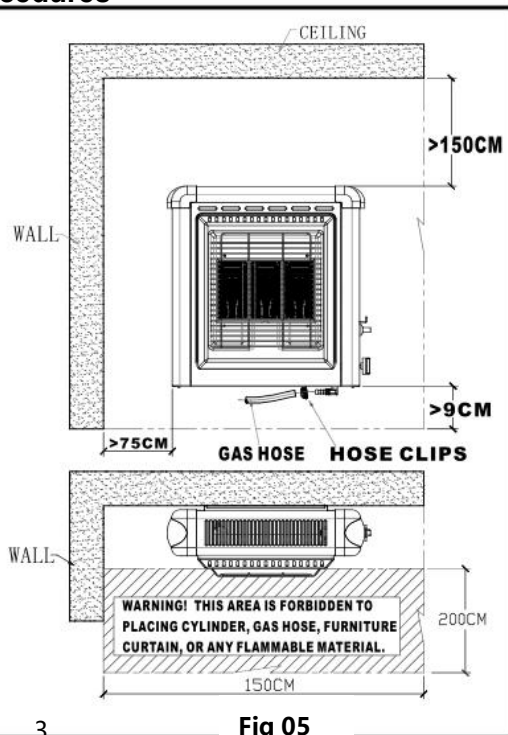
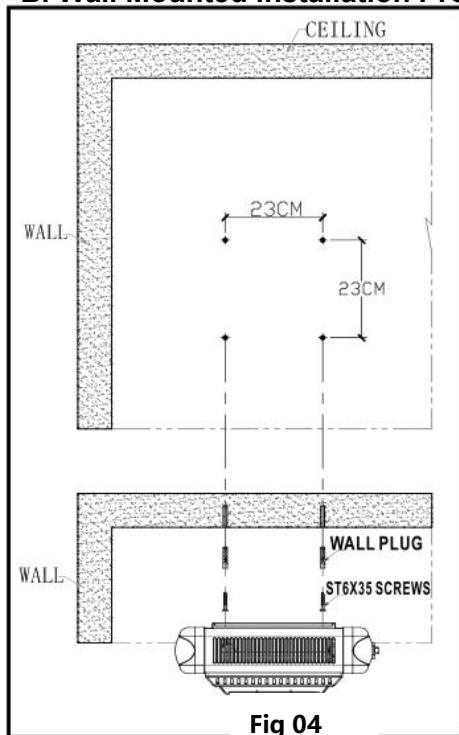
Push the wheels to legs first, then put the heater upside down, and install the legs to the heater by turning the screws through the leg to heater before using.

- 2), Connect the Hose, regulator and cylinder. **See: Page 4 .**

- 3), Place the cylinder at the back side of the heater. **Fig 03**



B. Wall Mounted Installation Procedures



HOW TO INSTALL THE HEATER

For convenience and efficiency, install the heater:

- Where there is easy access for operation, inspection, and service.
- In the coldest part of the room.

WARNING: Never install the heater in these places:

- In a bathroom.
- In a bedroom
- In a recreational vehicle .
- Where curtains, furniture, clothing, or other flammable objects are less than 200CM from the front, 150CM from the top, or 75CM from the sides of the heater.
- As a fireplace insert
- In high-traffic areas
- In windy or drafty areas
- Do not place the heater facing to the cylinder, always place the cylinder at the back side of the heater, and keep at least 50mm from the heater.

WARNING: Heater must be mounted to maintain

the minimum clearances shown in **Fig 05**. If possible, provide greater clearances from the floor, ceiling, and joining walls.

FASTENING HEATER TO WALL

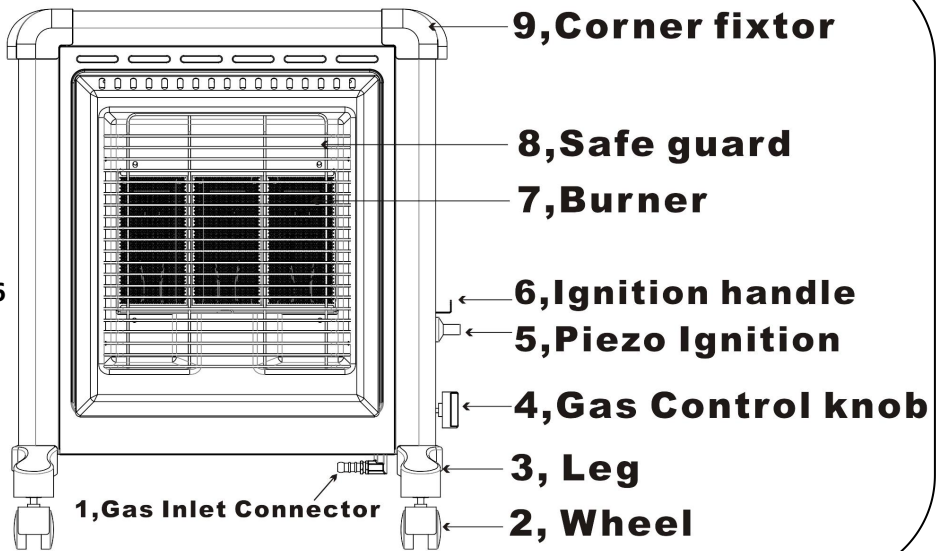
1. Mark the heater locations on the wall where heater will be located. Make sure heater is level.

WARNING: Maintain minimum clearances shown in **Fig 05**. If you can, provide greater clearances from the floor and joining wall.

2. Mark screw locations on wall (see **Fig 07**).
3. Drill holes at marked locations
4. Insert wall plug into hole. Tap wall plug flush to wall.
5. Drive the screws into the wall plug, and keep screws at 7mm out from the wall.
6. Make sure the screws are firmly fastened to wall.
7. Hang the heater brackets onto the screws. And make sure that the heater is firmly installation.

CONSTRUCTION AND FUNCTION

Fig 06



1. Gas inlet connector
2. Wheel
3. Leg
4. Gas control knob
5. Piezo Ignition
6. Ignition handle
7. Burner
8. Safety Guard
9. Corner fixtor
10. Wall Mounted Bracket

10



Fig 07

CONNECTING THE CYLINDER

- (a) Place the gas filled cylinder into the back of the heater
- (b) Clip on the gas regulator to the gas cylinder (fit for 15kg gas cylinder)
- (c) Turn the regulator on.
- (d) Where the regulator is not supplied please contact your gas dealer to advise of correct type for the gas cylinder being used.
- (e) To avoid twisting the hose, please make sure to connect the hose with regulator and heater smoothly
- (f) The length of hose not less than 50cm, PVC or Rubber type, comply with BS3212-Class 2/EN1763-1-Class 3 / EN16436-1:2014+A3:2020
- (g) **IMPORTANT TEST FOR LEAKS:**

This must be carried out in a well-ventilated area, free from naked flames and any other sources of ignition. With the regulator connected to the cylinder turn on the regulator control. Brush all hose connections, pipe connections to the valve and gas cylinder valve with a 50:50 solution of detergent and water. A stream of bubbles forming indicates a leak. If a leak is found turn off at the regulator and disconnect the regulator from the bottle and remove the gas cylinder outdoors or to a well ventilated area. Contact your gas supplier for assistance. **DO NOT USE THE HEATER.**

- (h) After leak testing is satisfactorily carried out close the back door of the heater. It may be necessary to move the heater slightly to allow the regulator and hose to fit in the back without kinking the hose
- (i) Need to regular checking and if necessary replacement the hose

HOW TO CHANGE A CYLINDER

- 1) Unplug the heater before take out the cylinder.
- 2) Turn off at the regulator and allow the heater to cool fully before removing and replacing the cylinder. Do not attempt to replace the cylinder whilst the heater is still running.
- 3) Cylinders must be replaced in a flame free environment.
- 4) Do not smoke while changing the cylinder.
- 5) When you need to replace your empty cylinder, turn the gas off at the valve or regulator of the cylinder and take the empty cylinder out of the heater.
- 6) Remove the regulator from the empty cylinder.

- 7) Following the steps described under “connecting the cylinder” , connect a new cylinder

OPERATION GUIDE

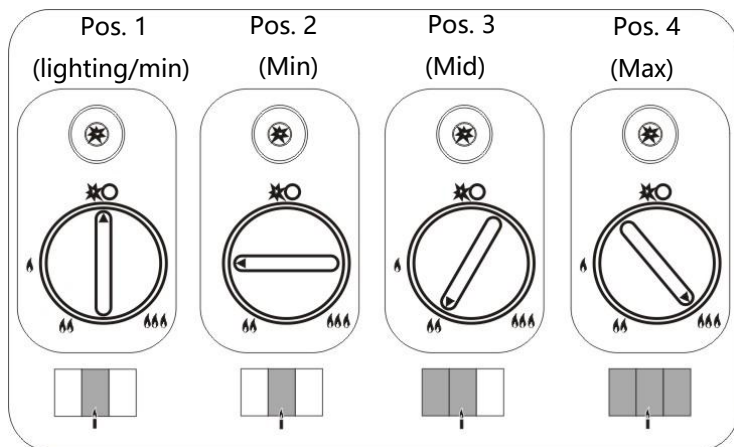


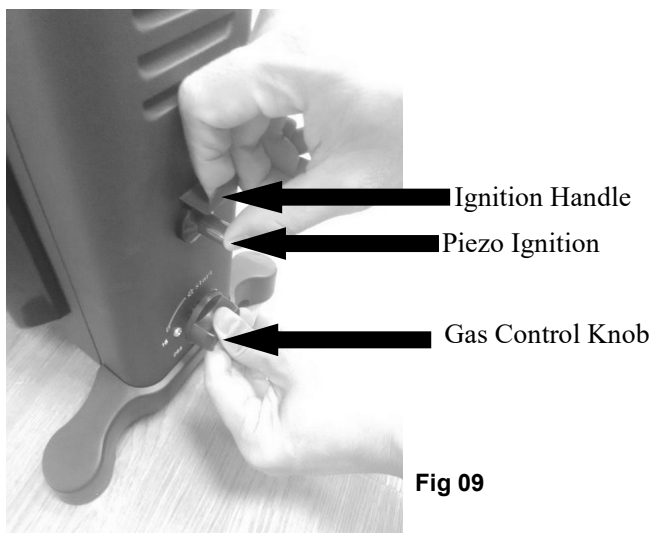
Fig 08

LIGHTNG INSTUCTION, see Fig 08

- A. The heater has three settings. Lighting/Min(Pos.1), Minimum (Pos.2); Medium (Pos.3) and Maximum (Pos.4)
- B. Place the gas filled cylinder into the back of the heater.
- C. Clip on the gas regulator to the gas cylinder.
- D. Turn on the gas regulator.

1. LIGHTING (please see the picture Fig 09)

Press the control button for 10 seconds at the Position 1, at the same time press the Piezo igniter key to lit with thumb finger of right hand, Continue this procedure until pilot ignites, approximately after 20 seconds leave Gas control Knob. At this stage if the pilot is alight, If the pilot flame goes out please repeat this procedure. and then turn the knob from Pos.1. to medium or Maximum power setting,



2. HEAT SETTINGS

To change from minimum to maximum gently press control button and turn it to position 4.

To change from maximum to medium gently press control button and turn it to position 3.

3. TURN OFF THE HEATER

Turn off the heater by the close the cylinder valve, and turn knob to “Lighting” position(Pos.1)

Warning: The heater can be turned off at the cylinder valve ONLY.

If the heater is not used for a period of time, disconnect the regulator from the cylinder and replace any valve protection plug or cover.

STORAGE

1. Disconnect cylinder.
2. Store cylinder in a well-ventilated area away from combustible material. Storage preferable be in an outhouse but must not be in a basement or high-rise flat.
3. The heater should be covered in a dry, dust-free area in its original packaging.

CLEANING

1. Use a damp soapy wrung cloth clean the exterior and cylinder storage area of your heater.
2. Make sure that no water gets onto the burners or pilot/light area. Wipe the heater dry before use.
3. Don't use abrasive cleaners as they may damage the quality paint finish.

MAINTENANCE

1. Check flexible tubing between regulator and heater regularly and replace if perished, worn or damaged. In any case replace tubing taking into consideration the expiration date.
2. It is recommended that the heater be serviced every year by a competent person in accordance with the Gas Safety (installations and use) Regulations 1998.
3. If any parts need replacing, they should be replaced only with the correct parts supplied by the original manufacturer.

FAULT FINDING CHART

Technical problems	Problem	Problem Causes	What To Do
	Smell of gas	Regulator & hose connection loose	Use soap form for leakage control, check all connection system replace defected parts
		Valve & pipe connection loose	
		Pipe broken	
		Missing piece of ceramic fireclay	Inspect perimeter of each plaque and locate place where some fireclay has been displaced. Repair with PYRUMA and leave to set for Approx. 48 hours.
	Inefficient combustion on ceramic burner	Dirty gas inlets	Please clear injectors with Air
	If there is no ignition	Defective Spark - Plug	Check cable of ignitor, & replace defected ignitor if necessary
		Defective ignitor cable	Check spark – plug and connections, & replace defected ignitor if necessary
	Burner flame has extinguish during operation	Run out of gas	Change the gas bottle
		Thermal element has not been warm enough	Try restarting
Wing or draught has extinguished the flame		Put the appliance out of reach of wind and draught, let it cool down for a couple of minutes and try to restart it	
Faulty thermocouple		Replace the faulty thermocouple	
Faulty magnetic valve		Replace the magnetic valve	
general problem	Heater is not remain alight when pressure is released from ignition button	Wrong power setting at first process	Turn the control knob at “ START” Position and press for 10 seconds, whilst press the Piezo igniter key to lit
	Heater could not be turned on	Did not connect the gas regulator to gas cylinder	Connect heater to the gas cylinder and ensure there is not smell, then follow the Instruction to turn on the heater
		Gas cylinder control is closed	Please turn on the gas cylinder control

REPAIRS SHOULD ONLY BE CARRIED OUT BY A COMPETENT PERSON IN ACCORDANCE WITH THE GAS SAFETY (INSTALLATIONS AND USE) REGULATIONS 1998

Technical Data:

Model	KF-001B, KF-001C					
Product name	Gas Heater					
Standard	EN 449-2002+A1-2007					
Appliance category	I3+		I3B/P(30)	I3B/P(50)	I3P	I3B/P(37)
Type of gas	G30	G31	G30		G31	G30
Gas Pressure (mbar)	28-30	37	30	50	37	37
Injector' s diameter(mm)	0.58		0.58	0.51	0.58	0.54
Destination countries	BE, CH, CY, CZ, ES, FR, GB, GR,IE, IT, LT,LU, LV, PT, SI, SK, TR		BE, BG, CY, CZ, DK, EE, FI, FR, GB, GR, HR, HU, IT, LT, MT, NL, NO, RO, SE, SI, SK, TR	AT, CH, DE, SK, LU,	BE, CH, CZ, ES, FR, GB, GR, HR, IE, IT, LT, NL, PL, PT, SI, SK	PL
Heat input (Hs) KW(g/h)	4.2KW (305g/h)					
Ignition	Pilot burner ignition					

Manufacturer:

Broilfire BV.

Add: Gildenweg 2a - 7021 BR Zelhem Holland; Tel: 0315 340 099 (Between 9.30 am und 15.30 pm)

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