

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

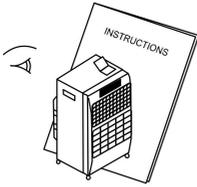
# **USER MANUAL**

**FOR  
BLUE FLAME HEATER  
(with Thermostat)  
(KF-B006-TP)**

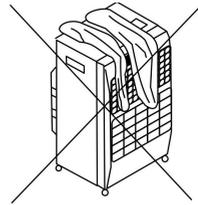


**WARNING: IF THE INFORMATION IN THIS MANUAL IS NOT FOLLOWED EXACTLY. A FIRE OR  
EXPLOSION MAY RESULT CAUSING PROPERTY DAMAGE. PERSONAL  
INJURY OR LOSS OF LIFE**

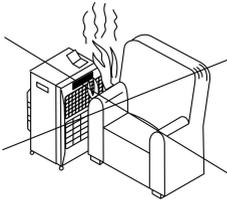
## SAFETY PRECAUTIONS



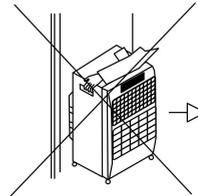
1. Always use heater in accordance with instructions supplied with each heater. Keep instructions in a safe place.



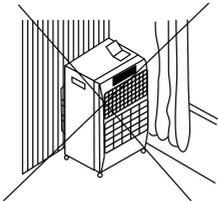
2. DO NOT place clothes or other materials on the heater. This could cause a fire risk and/or affect the efficiency of the appliance.



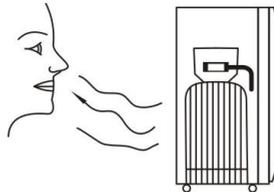
3. DO NOT position heater close furniture.



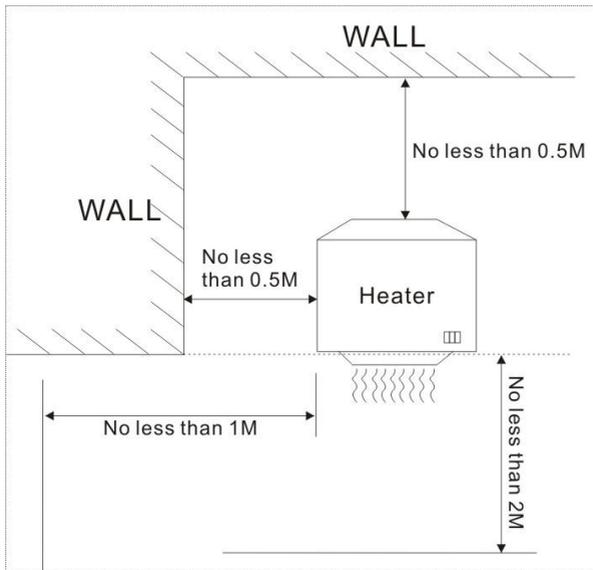
4. DO NOT move heater from room to room when lit.



5. DO NOT position heater close to walls, furniture, net curtains, bed linen or any other inflammable materials as this could result in the risk of fire. The following minimum distances should be respected; 100cm from side, 200 cm from front. ALWAYS face heater towards center of room. The heater should be positioned on a level surface at all times.



6. If a leak is suspected, turn the gas off at the cylinder. DO NOT disconnect the regulator. Check all connections. Slowly turn the gas on and brush the connections with soapy water or liquid detergents a gas leak will form bubbles. If a leak is found, turn the gas off. DO NOT use the heater again until it has been checked by a competent person in accordance with the Gas Safety (installations and use) Regulations 1998



### 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 BLUE FLAME HEATER MODELS:

Number of radiant continuously IN USE	ROOM SIZE	VENTILATION	
		Low level	High level
1	40 cubic metres - 4m*4m*2.5	40cm <sup>2</sup>	40cm <sup>2</sup>
2	70 cubic metres - 7m*4m*2.5	70cm <sup>2</sup>	70cm <sup>2</sup>
3	105 cubic metres - 10.5m*4m*2.5	105cm <sup>2</sup>	105cm <sup>2</sup>

1. This appliance requires a hose and a regulator.
2. Only use in well ventilated areas.
3. Do not use in vehicles, caravans or auto caravans.
4. Do not attempt to use in high-rise flats, basements, bathrooms or bedrooms.
5. This appliance should be tested for leaks before initial use and whenever the cylinder is re-connected.
6. 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.
7. Always use your cylinder always in an upright position.
  8. Always turn off the regulator control when the heater is not in use.
  9. 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.
  10. Do not use your heater while sleeping.
  11. Do not use your heater in high-rise flats.
  12. Do not use your heater in basements, bathrooms or bedrooms.
  13. This appliance requires a hose and a regulator, check with your gas supplier for the correct type according to the cylinder being used and any regulations at the time.
  14. 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.
  15. For the Pusher Igniter unit, it need to be installed a AAA battery

## FAULT FINDING CHART

	<b>Problem</b>	<b>Problem Causes</b>	<b>What To Do</b>
<b>Technical problems</b>	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	Battery no power	Change a AAA battery
		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	
<b>general problem</b>	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**

**CONSTRUCTION AND FUNCTION**



- 1. gas control knob
- 2. Ignitor and
- 3. Thermostat
- 4. Guard
- 5. Pilot and ignition system
- 6. Rear cover

## **1, CONNECTING THE CYLINDER**

- 1) Place the gas filled cylinder into the back of the heater,
- 2) and fix the back cover to the back side of the heater by tightening the screws.
- 3) Clip on the gas regulator to the gas cylinder
- 4) Turn the regulator on.
- 5) Where the regulator is not supplied please contact your gas dealer to advise of correct type for the gas cylinder being used.
- 6) **IMPORTANT TEST FOR LEAKS:**

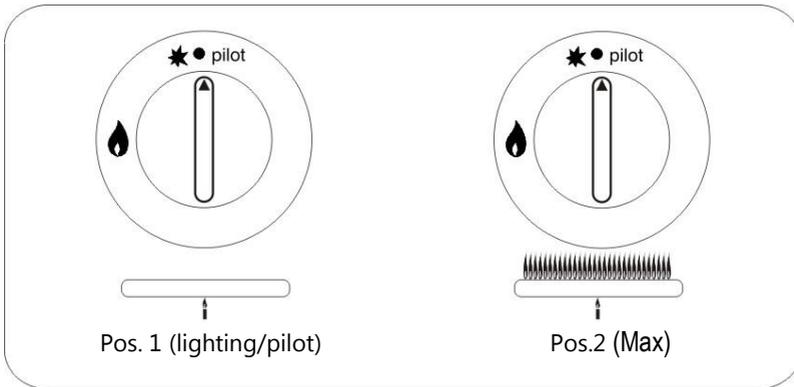
This must be carried out in a well-ventilated area, free from naked flames and any other sources of ignition. With the regulator connected to the cylinder turn on the regulator control. Brush all hose connections, pipe connections to the valve and gas cylinder valve with a 50:50 solution of detergent 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.**

6. 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

## **2, HOW TO CHANGE A CYLINDER**

- (a) 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.
- (b) Cylinders must be replaced in a flame free environment.
- (c) Do not smoke while changing the cylinder.
- (d) 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.
- (e) Remove the regulator from the empty cylinder.
- (f) Following the steps described under "connecting the cylinder", connect a new cylinder.

### 3, OPERATION GUIDE



#### 1) LIGHTNG INSTUCTION

- a) The heater has two settings. Lighting/Pilot(Pos.1) and Max (Pos.2)
- b) Place the gas filled cylinder into the back of the heater. and Fix the back cover by tightening the screws.
- c) Clip on the gas regulator to the gas cylinder.
- d) Turn on the gas regulator.

#### 2) LIGHTING

- a) Press the control button for 30-60 seconds at the Position 1, at the same time press the Igniter key to lit with thumb finger of left hand, Continue this procedure until pilot ignites, approximately after 20 seconds leave control button. At this stage if the pilot is aight, If the pilot flame goes out please repeat this procedure. and then turn the knob to Pos.2. to Max power setting,

#### 3) HEAT SETTINGS

- a) The thermostat temperature adjusting range is between 7 - 32 °C.
- b) Turn the small thermostat knob anticlockwise to position from "—" to "+" to set temperature. When the room has reached the desired temperature(4°C higher than the setting temperature), the burner will go off automatically, the pilot will keep lighting all the time, and while the room drop approx. 4°C lower than the setting temperature, the burner will restart automatically. In this way, the appliance will automatically maintain the set temperature by cycling.
- c) In the event of "burn back" turn off and try again. Should it happen a second time, return the unit to the dealer.

d) Temperature Setting:



#### 4) TURN OFF THE HEATER

- a) **Turn off heater at cylinder valve. NOTE:** 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.

#### 4, WARNING

1. Read the instructions before using this appliance.
2. Use an appropriate regulator, ask your supplier to get one.
3. Never attempt to light if the hose is loose or damaged in any way.
4. Do not press the ignition button for more than 40 seconds.
5. Never disconnect the regulator while cylinder valve or regulator is open.
6. Do not change cylinders in areas in which open fire exists.
7. Do not expose your cylinder to extreme heat.
8. Do not store any other cylinders in the room in which your heater is used.
9. Do not insert your finger or any other material through the front panel of the heater.
10. Leave at least 1 meter distance between your heater and the other heat source.
11. Do not let unauthorized persons to tamper with your heater.
12. Do not place appliance under electrical socket outlets.
13. Do not use the heater in bathrooms, shower of swimming pool, or leisure vehicles such as caravans or auto caravans.
14. This heater must not be used without a gas cylinder fitted for stability purposes.
15. 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.
16. In the event of leakage, the appliance should be turned off at the regulator

switch-on valve and the regulator disconnected from the cylinder.

17. After use turn off the appliance at the gas container valve.

18. Only use in a well ventilated area.

## **5, 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.

## **6, 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.

## **7, 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.

## Technical data:

Manufacturer	KINGFER INDUSTRIAL CO., LTD.					
Model	KF-B006-TP					
Product name	Blue Flame Heater (With Thermostat)					
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	28-30
Injector's diameter (mm)	0.98		0.98	0.85	0.98	0.91
Destination countries	BE, CH, CY, CZ, ES, FR, GB, GR, IE, IT, LT, PT, SI, SK, TR		BG, BG, CY, CZ, DK, EE, FI, FR, GB,GR, HR, HU, IT, LT, MT, NL, NO, RO, SE, SI, SK, TR	AT, CH, CY,DE, FR, SK,	BE, CH, CZ, ES, FR, GB, GR, HR, IE, IT, LT, NL, PL, PT, SI, SK	PL
Heat input (Hs) KW(g/h)	3.8KW (280g/h)					
Ignition	Pilot burner ignition					