

OPERATING INSTRUCTIONS

FUJIKA

COMBINED USE
KEROSENE SPACE HEATER
AND COOKING STOVE

PATENTED MODEL
KSP-231
KSP-229

Hi PET



FEATURES :

1. The fuel tank is double, guaranteeing non-leakage of fuel, even though it is turned over while burning.
2. The glass fibre wick which is incorporated in this heater is highly heatresistant and durable.
3. The upper reflector which sends heat downward ensures warmth of your legs and feet.
4. Safety is also ensured by means of the finely designed guard frame.
5. The chimney which is in stainless steel is highly durable.

USERS ARE REQUESTED TO OBSERVE THE FOLLOWING :

1. Fill this heater with white lighting kerosene. No other fuel should be fed into this heater.
2. Fuel is to be stored in a safe place.
3. This heater should not be used in a narrow space or near inflamables.
4. This heater should not be subjected to drafts.
5. This heater is to be used on a horizontal level.
6. Care should be taken not to spill oil. If it should be spilt, wipe it out.
7. Before you fill oil, or before it is moved to another place, do not fail to extinguish this heater.
8. Burn the wick idle once in every 20-30 days. (How to burn the wick idle is described in this instruction manual.)
9. When you evacuate your room or before you go to bed, make sure the fire is out.
10. Ventilate from time to time the room in which this heater is used.
11. Fuel will not leak, even though this heater is turned over, but it is of course better not to be upset. If it should be turned over, put it upright without losing self-control.

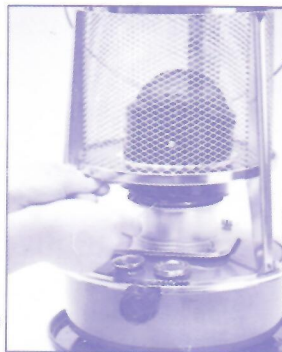
NOTICE : USE ONLY BEST QUALITY LIGHTING KEROSENE

TO FEED OIL :

1. Remove the filler cap.
2. Fill fuel until the fuel indicator points to "F".
3. Do not fail to stop up the filler hole with the cap.
4. Before you feed oil, extinguish the heater.

TO IGNITE :

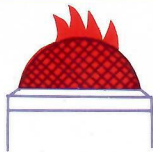
1. When you are going to use the heater for the first time, you will feed oil and wait about ten minutes until the wick is soaked with fuel.
2. To ignite, you will:—
 - a. Lift the wick by turning the wick-adjust-handle knob clockwise.
 - b. Tilt the chimney by pinching the chimney knob.
 - c. Light the wick with a match at its two or three spots.
 - d. Turn the chimney horizontally using the chimney knob, thereby setting the chimney properly on the burner.



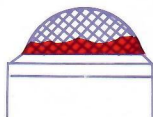
TO ADJUST COMBUSTION :



If the wire net on top of the chimney is brightly red-heated, the combustion is all right.



If flames flare up over the wire net, it is because the wick is too high.



If the wire net is dark, it is because the wick is too low or fuel is short.

TO EXTINGUISH :

1. Turn the wick-adjust-handle knob counter-clockwise slowly until it stops. The wick will be lowered to the bottom and the fire will be out in 3-5 minutes.
2. Make sure the fire has been extinguished.
3. Never fail to extinguish the fire before you move the heater to another place, before you evacuate the room in which the heater is used.

TO TAKE CARE OF WICK :

1. The wick which is in glass fibre need not have its top scissored off from time to time.
2. But when it is used for a long time, a tar-like substance is deposited on its top, affecting the sucking up of fuel and the wick's vertical movement. To remove this tar-like substance, you will burn the wick idle as follows : Do not fill oil to the heater, even after the fuel indicator has pointed to "0"—continue to burn it until the fire dies down. By this time the tar-like substance on the top of the wick will have been consumed, resulting in better sucking up of oil and smoother movement of the wick.
3. You need not worry about the wick being destroyed by the above burning idle, as it is in glass fibre.
4. You will practise this idle burning of the wick once in 20 to 30 days.

TO EXCHANGE WICKS :

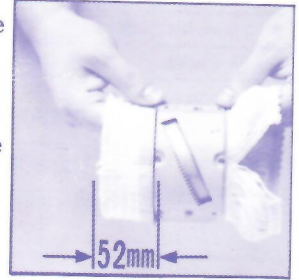
1. Remove the guard frame by screwing off the three fixing nuts.
2. Remove the chimney.
3. Pull off the wick cover by screwing off the four fixing nuts.
4. Loosen the wick-adjust-handle nut on the wick-adjust-handle by turning it counter-clockwise and pull the wick-adjust-handle towards you.



5. Pull up the wick holder together with the wick.
6. Clean the wick guide, burner cover etc.
7. Remove the old wick from the wick holder.



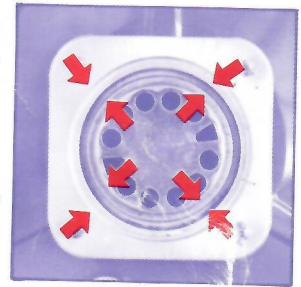
8. Insert a new wick inside the wick holder and let the wick stuck by the pricks inside the wick holder: The top of the wick should be evenly exposed by above the top of the wick holder.
9. The wick holder lined with a wick is then to be applied down the wick guide.



10. Get the wick holder in gear with the tip of the wick-adjust-handle.
11. Turn the wick-adjust-handle knob clockwise and lift the wick fully. If the top of the wick is not evenly exposed, scissor it even.



12. Put the wick cover on the burner— in doing this, the gap between the wick cover and the wick guide should be made even. Otherwise the vertical movement of the wick will be hard.
13. To guarantee a fine combustion of this heater, it is essential for you to use a genuine "FUJIKA" wick for heater Model "New Pet".

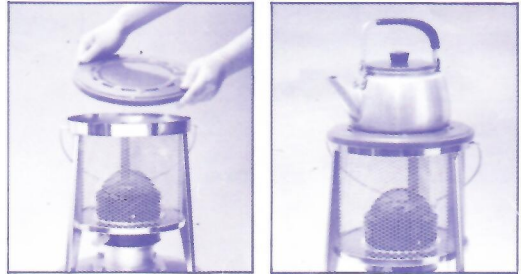


CAUTIONS FOR ASSEMBLERS:

1. In case you consider water or dirt to exist in the fuel tank of the heater, you will remove them by turning the tank upside down and then wash it using pure white lighting kerosene.
2. In fitting the wick-adjust-handle, mind not to fasten the wick-adjust-handle nut too tightly.
3. The burner flame rubber packing stuck on the bottom of the burner cover should never be removed.
4. After assembling the heater, you will test it in a safe place, before you use it actually.

A KETTLE HOLDER HAS BEEN INCORPORATED INTO THE HEATER:

(Patents have already been applied for with world wide Authorities.)
This new device enables the heater to be used as a room heater and a cooking stove all the year round. (Remove the top-plate, and you can use the heater as a cooking stove as well.)



CAUTIONS IN USING

1. The heater should be used on a horizontal level.
2. The heater should not be subjected to drafts.
3. The heater should not be used near inflammables.
4. The room in which the heater is used should have sufficient ventilation.
5. Users are requested to pay special attention to children while the heater is being used.

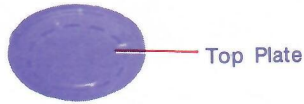
NOTES IN STORING OFF SEASON:

1. Disassemble and clean the heater before storing away.
2. The wick should be kept apart from the wick holder and the fuel tank.
3. The heater should be stored in an airy space with less humidity.

SPECIFICATIONS

Brand & Model: "FUJIKI" Brand Kerosene Space Heater Model "New Pet"
System: Lamp-wick system
Type: Radiation, red-heated, round type
Net Weight: KSP-229 4.8kgs / KSP-231 5.3kgs
Capacity of Tank: KSP-229 4.4litres / KSP-231 5.3litres
Wick used: Incombustible, glass fibre wick, 2.6 ± 0.2 mm thick, 95 ± 2 mm inside diameter, 170 ± 5 mm long
Fuel consumed: 0.2~0.25 litre per hour
Calory: 1,900~2,200 kcal per hour
Fuel to be used: White lighting kerosene No. 1

COMPONENT PARTS



Top Plate



Hanger

Kettle Holder

Upper Ring

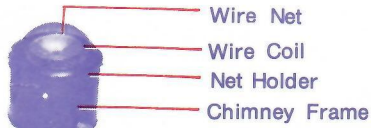
Guard Net

Stay

Middle Reflector

Bottom Ring

Guard Frame



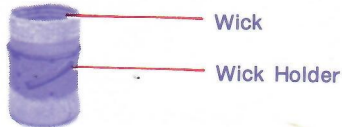
Wire Net

Wire Coil

Net Holder

Chimney Frame

Chimney Assembly



Wick

Wick Holder

Wick Cover



Wick Cover Fixing Nuts



Guard Frame Fixing Nuts



Fuel Indicator



Filler Cap



Filler Cap Packing



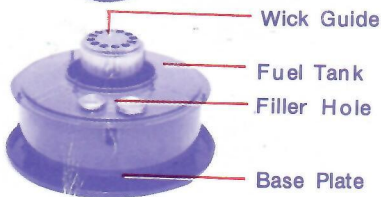
Wick-Adjust-Handle Knob



Wick-Adjust-Handle Nut



Burner Flame Rubber Packing



Wick Guide

Fuel Tank

Filler Hole

Base Plate

TROUBLES CAUSES AND MEASURES

Simple troubles causes and measures are listed up in the following table. Check each item and find out the applicable measures corresponding to the defect items and cause items concerned.

Defects Causes	Ignition is hard or impossible	Smells bad	Takes much time until perfect combustion after ignition	Produces much soot	Burns with red flame	Burns with red flame partly	Excessive consumption of fuel	Knob rough turn	Lifting and lowering of wick is hard or impossible	Takes much time for extinction	Red burning of nichrome net is uneven	Abnormal noise	Ignition is hard or impossible	Defects Measures
Wick is holding water	●				●		●							Dry or replace wick
Wick level is too high		●		●	●					●				Lower wick as specified
Wick level is too low	●	●									●			Raise wick as specified
Wick level is uneven					●	●				●	●			Trim wick
Chimney assembly Unstable		●		●	●	●					●			Stabilize or replace combustion cylinder
Wick winding Mechanism tight in operation								●	●					Slightly Loosen cap nut or replace packing
Engagement between handle gear and rack is unsatisfactory									●					Disassemble and correct engagement
No fuel or shortage of fuel	●	●									●			Supply kerosene
Carbon is deposited in wick	●	●	●					●	●		●			Clean up wick by no-fuel burning
Wick is damaged due to miss-fitting								●	●					Replace wick
Wick guide tube & wick holding cylinder is not concentric				●	●	●		●	●	●	●	●		Correct to make them concentric
Water content is mixed in fuel	●		●									●		Clean up inside of tank and replace fuel
Bad fuel		●		●	●									Replace with good fuel
Fuel is spilt		●												Wipe off with cloth
Tightening of wing nut depressing wick holding tube is uneven								●	●	●	●			Make it even to make a concentric circle