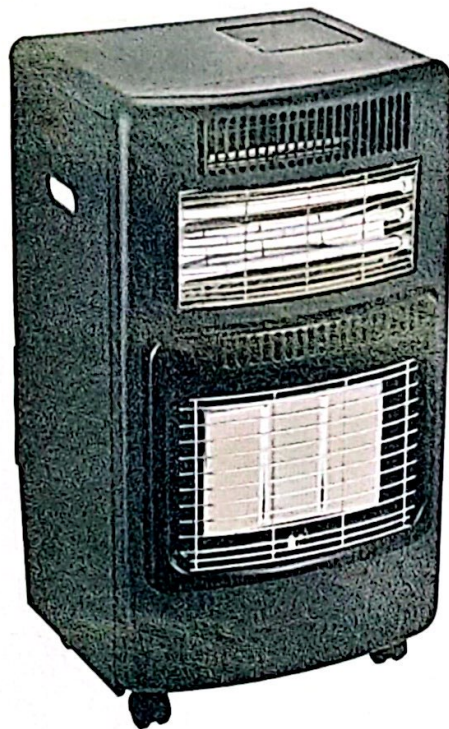


User Manual

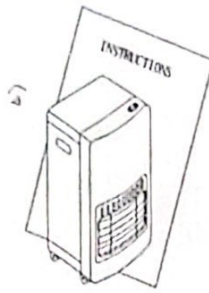


AG-H703

Domestic flueless space heater

**THE GUARD ON THIS APPLIANCE IS TO PREVENT RISK OF FIRE OR INJURY
FROM BURNS AND NO PART OF IT SHOULD BE PERMANENTLY REMOVED**

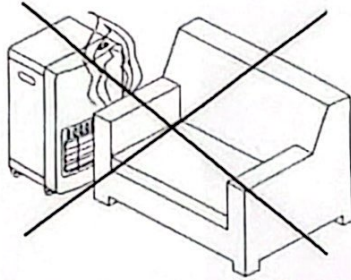
SAFETY PRECAUTIONS:



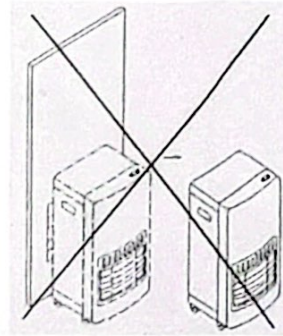
1. Always use Heater in accordance with user's instructions supplied with each heater.
Keep this instructions in a safe place.



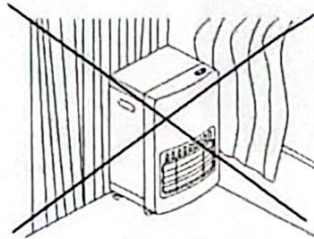
2. DO NOT place clothes or other material on the heater. As apart from danger of fire, their presence could affect the efficiency of the appliance.



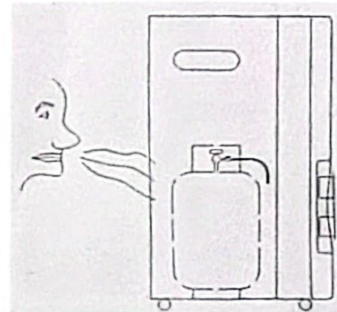
3. DO NOT position Heater close to armchairs, fabrics, bed linen and other furniture.



4. DO NOT move Heater from room to room when operating.



5. DO NOT position Heater alongside a wall or near curtains and other flammable materials. The following minimum distances should be respected: 20cm from sides, 150cm from front. ALWAYS face Heater towards center of room. Special care should be taken if the heater is on a surface where it can twist on its castors if knocked by a child or dog etc.



6. In the event of gas leakage, the heater's gas supply need to be turned off.. DO NOT disconnect the regulator. Extinguish all naked lights. Check all connections. Slowly turn the gas on and brush the connections with soapy water or liquid detergents, a gas leakage point will form bubbles. If a leak is found, turn the gas off and inform your gas supplier. DO NOT use the Heater again until it has been checked and maintained by your dealer.

NOTE: READ THE INSTRUCTIONS BEFORE USING THIS APPLIANCE.

VENTILATION: USE ONLY IN A WELL-VENTILATED ROOM.

DO NOT USE IN LEISURE VEHICLES SUCH AS CARAVANS OR AUTOCARAVANS.

DO NOT CHANGE GAS CYLINDER IN THE PRESENCE OF NAKED LIGHT.

THIS APPLIANCE REQUIRES INSTALLATION BY A COMPETENT PERSON THIS APPLIANCE REQUIRES AN APPROVED HOSE AND REGULATOR CHECK WITH YOUR GAS SUPPLIER

REQUIRED VOLUME OF ROOM AND VENTILATION SURFACE:

VOLUME OF LIVING ROOM	VENTILATION SURFACE	
	Low Level	High Level
84 cubic meters	105cm ²	105 cm ²

CONNECTING THE CONTAINER

1. Use an approved regulator according to gas supply pressure and approved tubing having a length of 50cm and in no case longer than 1m. When connecting the regulator to the container avoid twisting of hose.
2. Slowly open the valve of the container and check if there is any gas leakage by brushing the connections with soapy water. NEVER USE A MATCH! A gas leakage forms the bubbles. In the event of gas leakage the appliance should be turned off by closing the valve and the regulator disconnected from the bottle.

Place container in its proper space and attach the rear cover.

HOW TO CHANGE LPG CONTAINER

1. Container must be replaced in a flame-free atmosphere.
2. Do not smoke while changing the container.
3. When you needed to replace your empty container, turn off gas container's valve.
4. Make sure that the heater is extinguished completely.
5. Remove the regulator from the empty container.
6. Following the steps described in "Connecting the container" to connect a filled one.

IMPORTANT

1. It is important that all gas connections have been correctly connected to prevent any leakage. Use soapy water instead of a match for gas leakage checking..
2. Put your container always in upright position. Using the container in horizontally laid down position may damage your heater and create serious results.
3. If a newly fillneed container is used, Ignition might impair as there may be some inert gas present in the container. In this case, change the container with another one which is partially used.
4. When you light your heater for the first time or if it has been a long time since you used it last time. Please be noted that first light your heater in open air (garden or balcony). Take your heater inside after 15 minutes operation.
5. Do not use your heater while sleeping.
Do not use your heater in high-rise flats.
Do not use your heater in basements, bathrooms or bedrooms.
6. This appliance requires a hose and a regulator, check with your gas supplier.
Please seek advice from your gas and regulator supplier so as to use correct hose.
The guard on the appliance is to prevent risk of fire or injury form burns and no part of it should be permanently removed.

**IT DOES NOT GIVE FULL PROTECTION FOR YOUNG CHILREN OR
THE INFIRM.**

4. SWITCHING OFF

Turn off the gas on the container. If the heater will not be used for a period of time, please disconnect the regulator from the container and replace any valve protection plug or cover. If the heater fails to extinguish, please do not disconnect the regulator from the container and remove the heater outdoors and let the gas in the container used up.

Attention!

Please be sure the control button has been locked after you changing the position of control knob followed by the direction of arrow. Control button can't be turned if you haven't pressed it down.

ELECTRICAL PARTS:

LI238Q : (Fig. 1)

1. 1# Switch of power on, "OFF" power off,

turn on "ON" , 1st quartz tube works.

2. 1# Switch on "ON" , 2# switch turn to "II

2nd quartz tube works. turn to "O" ,2nd quartz tube power off.

3. 1# switch on "ON" , 3# switch turn to "III" ,3rd quartz tube works

3# turn to "O" ,3rd quartz power off.

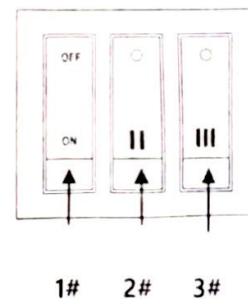


Fig.1

LI238QH: (Fig.2)

1. 1# switch of power on, "OFF", power off,

Switch on "ON", power on and fan works.

2. 1# switch on "ON", 2# switch on "H", heating,

Elements works. 3# control switch of heating elements,

"I" low grade, "II" high grade

2# switch on "Q", control switch for quartzs, on 3# switch,

Switch on "I" first quartz tube works, "II" for three tube working

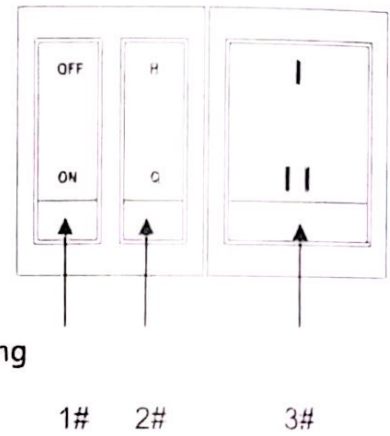


Fig.2

CR-200H: (Fig.3)

1. 1# switch of power on, "OFF" power off,

switch "ON", power on and fan blowing

2. 1# switch on "ON", 2# switch on "I", one quartz tube

working, switch on "O", quartz tube switch off; 3# switch

on "I", other two quartz tube working, switch on "O", switch off

these two quartz tube.

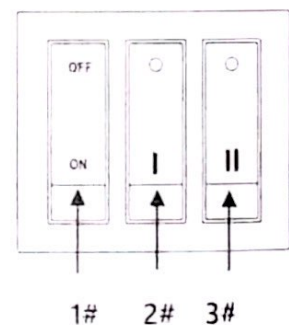


Fig.3

(REPAIR TO BE CONDUCTED BY AUTHORISED PERSONNEL ONLY)

TECHNICAL CHARACTERISTICS

Type:AG-H703

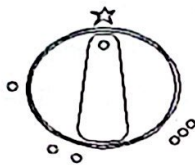
Domestic Flueless Space Heater, mobile, equipped with anti-tilt switch, oxygen depletion system, flame supervision device, Over heater protection and Over current protection, but no connecting pipe and regulator supplied.

Domestic flueless Space heater		CE 1336				
Model		AG-H703				
Appliance Category		<input type="checkbox"/> I3+	<input type="checkbox"/> I3B/P	<input type="checkbox"/> I3B	<input type="checkbox"/> I3B/P	<input type="checkbox"/> I3B/P
Burner type		Atmospheric burner				
Size of injector (mm)		0.59	0.59	0.59	0.49	0.52
Nominal Supply pressure (mbar)		28-30/37	28-30	29	50	37
Type of gas		G30/G31	G30	G30	G30	G30
Nominal Heat input (kW) (Hs)	Maximum	4.2	4.2	4.2	4.2	4.2
	Medium	2.8	2.8	2.8	2.8	2.8
	Minimum	1.5	1.5	1.5	1.5	1.5
Gas Consumption (g/h)	Maximum	305	305	305	305	305
	Medium	200	200	200	200	200
	Minimum	110	110	110	110	110
Ignition system		Piezo electric ignitor				
Dimensions(cm)		42×36×72				
Weight of appliance		9.5kg				
Gas Container		From 5kg to 11kg [at maximum 32 cm (dia.) x 55 cm (H)]				
Destination countries		BE,CH,CY,CZ ES.FR,GB,GR. IE.ITLT.PT,SI, SK,TR	BG,CY,CZ.DK.EE, FI.GB,GR.HR,HU, IS,IT,LT,LV,MT, NL,NO.RO.SE.SI, SK.BG.IS	BE,CY,ES,FI, FR,GB.GR,IE. MT,PT.	DE, AT, CH,FR SK	PL
Voltage/Frequency		220V~240V/50HZ				
Power		Quartz	Heating elements		Fan	
	Maximum	1200W			15W	
	Minimum	400W			10W	

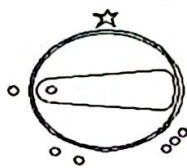
VENTILATION

Your heater consumes oxygen while it is in operation. 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.

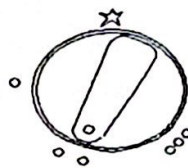
Adequate ventilation should considerably reduce the possibility of condensation occurring. The following table shows the smallest sizes of room suitable for each heat setting and the ventilation surface, which should be provided.

CONTROL BUTTON:**GAS CONTROL:**

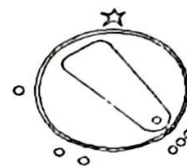
Lighting Position



Minimum Position



Medium Position



Maximum Position

1.LIGHTING INSTRUCTION

A.The heater has three settings. Lighting position (Pos.1) Minimum position (Pos.2) ;
Medium position (Pos.3) Maximum position (Pos.4).

B.Turn on the gas on the container.

2.LIGHTING:

Use one hand Press down the control button for 10 seconds, at the same time press down the piezo igniter key with thumb finger of another hand. Continue this procedure until pilot is ignited. Approximately 20 seconds later release the control button. At the moment if pilot is ignited, it means that the heater is at its minimum position. If pilot flame goes out, please repeat this procedure.

3.HEAT LEVEL SETTINGS

To change from minimum to medium. Please gently press down the control button and turn it to position 2.

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

WARNING

1. Read these instructions before using this appliance.
2. The appliance is not to be used by children or persons with reduced physical, sensory or mental capabilities, or lack of experience and knowledge, unless they have been given supervision or instruction.
3. Children being supervised not to play with the appliance.
4. Do not use the heater with a programmer, timer or any other device that switches the heater on automatically.
5. Use an approved regulator which is adjusted to the gas supply pressure required.
6. Do not keep pressing the ignition button for more than 40 seconds.
7. Never disconnect the regulator while container valve is open.
8. Don't change container with in areas in which open fire exists.
9. Don't expose your container to extreme heat area.
10. Don't locate any other container with in the space/room in which your heater is used.
11. Do not insert your finger or any other material through the front panel of the heater.
12. Leave at least 1 meter distance between your heater and the other heat source.
13. Do not let unauthorized persons to interfere with your heater.
14. Do not place appliance under socket outlet.
15. Don't use the heater in surroundings of a bath, shower or swimming pool, leisure vehicles such as caravans or auto caravans .
16. This heater must not be used without a gas container fitted for stability purposes.
17. Do not cover your heater.
18. Fabrics, clothing, hangings, net curtains, bed linens and other flammable materials may ignite if placed against the outlets of your heater.
19. In the event of leakage, the appliance shall be turned off valve and the regulator disconnected from the container.
20. After use, turn off the appliance at the gas valve.
21. Only use in a well ventilated area.
22. Safety earth connection required when using the electrical parts.
23. When cleaning or maintaining the electrical parts, water spraying or rain is prohibited.
24. Please don't have the children touch the appliance when using heating elements.
25. Switch off the appliance when leaving.
26. If the supply cord is damaged, it must be replaced by the manufacturer, its service agent or similarly qualified persons.
27. In order to avoid overheating, do not cover the heater.

STORAGE

1. Disconnect container.
2. Store container in a well-ventilated area away from combustible material.
Storage should preferably 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 medium in its original package.

CLEANING

1. Use a damp cloth wrung out in a solution of soapy water to clean the exterior and container storage area of your heater

2. Quartz tube and reflector cleaning: Before clean quartz tube and reflector, must disconnect the plug. first remove barbed wire in front of quartz tube, use dry cloth to wipe clean the surface of quartz tube and reflector , and then put the wire back into the position.
3. Make sure that no water gets onto the burners or pilot/light area. Wipe the heater completely dry before use.
4. Don't use abrasive cleaners as they may damage the quality paint finish.

MAINTENANCE

1. Check flexible tube between regulator and heater before every operation and replace it if perished, worn or damaged. In any case consider its expiration date to replace the tube
2. Contact agent named on last page of this manual if any major maintenance is needed.
3. It is recommended that the heater is maintained every two years by authorized personnel.

FAULT FINDING CHART

SYMPTOMS	FAULT	REMEDY
1. Pilot will not light automatically.	No spark across electrode gap.	(a) Ensure that pizeo-electric igniter is functioning correctly. (b) Check that electrical lead is not damaged.
2. Pilot will not light automatically but points (a) to (e) are satisfactory and the pilot will light with a match.	Incorrect position of spark in relation to pilot gas flow.	Re-position spark plug so that spark jumps across gas flow.
3. Heater will not remain alight when pressure is released from ignition button.	Electro-magnetic valve closes whilst heater is alight.	(c) Ensure that thermocouple probe is located in pilot flame. (d) Ensure good connection between thermocouple and valve. (e) Check thermocouple. (f) Check electromagnetic valve.(by serviceman)
4. After changing to maximum position with all three plaques alight. One or more plaques appear below normal intensively.	(a) Blocked jets. (b) Partially blocked supply tube.	(a) Remove and clean blocked jet. (b) Remove supply tube, remove jets and blow through the tube.
5. Difficulty in cross lighting from position 1 to position 2 or 3.	(a) Air draught directed away from first plaque. (b) Position of the pilot flame.	(a) Change the location of the appliance so that it is not adversely affected by air draught. (b) Position pilot so that flame impinges across bottom corner of 2 nd plaque as well as 1 st plaque.
6. Smell of combustion.	Missing piece of ceramic fireclay.	Inspect perimeter of each plaque and locate place where some fireclay has been displaced. Turn to the local service