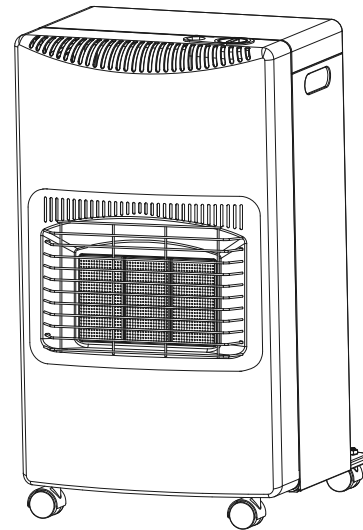


## Type GHM20

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instructions for use



3055101300 - REV.1 04/12/2024

### Kenwood Ltd

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# English

## With regard to this manual

- This appliance is made in conformity with appropriate European Regulations in force, to protect the user wherever possible from potential hazards. Carefully read this manual before use. Only use this appliance for the purpose it is designed for in order to prevent accidents and damage. Keep this manual close by for future consultation. Should you decide to give this appliance to other people, please remember to also include these instructions.

## Safety warnings

### **Read these instructions carefully.**

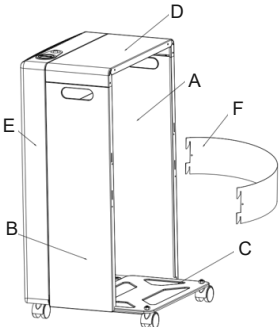
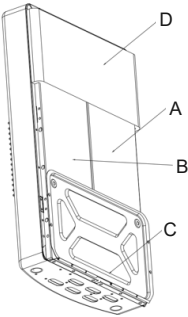
- This appliance has been designed for private use only, and is therefore considered unsuitable for commercial or industrial purposes.
- This appliance has been designed for household and similar uses only, such as:
  - in cooking areas used by the personnel of shops, offices and other professional environments;
  - in farms;
  - guests of hotels, motels and other residential environments;
  - bed and breakfast type environments.
- We decline any responsibility resulting from misuse or any use other than those covered in this booklet.
- We suggest you keep the original packaging, as free assistance service is not provided for any damage resulting from improper packaging of the product when this is sent back to an authorised Service Centre.
- Using accessories not recommended or not supplied by the manufacturer of the appliance may entail risks of fire, electric shock or injuries to people.
- Misuse of your appliance can result in injury.

- Children shall not play with the appliance or its components.
- The appliance is not to be used by persons (including children) with reduced physical, sensory or mental capabilities, or lack of experience and knowledge, unless they have been given supervision or instruction. Children being supervised not to play with the appliance. Cleaning and maintenance shall not be done by children.
- Do not leave the packaging near children because it is potentially dangerous.
- It is recommended to make harmless those parts of the appliance which may constitute a danger, especially for children who could use the appliance as a game.
- Make sure your hands are dry before using or adjusting the switches on the appliance.
- Do not use the appliance if it is faulty. To prevent any accident, all repairs shall be only carried out by an Authorised Service Centre or by similarly qualified personnel.
- Place the appliance on a stable surface in a sufficiently lit and clean room.
- Never use the appliance outdoors.
- Before cleaning, the appliance must cool down. The appliance shall be cleaned only with a non-abrasive cloth slightly moistened by adding a few drops of mild, non-aggressive detergent (never use solvents that damage plastic).
- Never put the appliance on or near gas stoves or electric hobs.
- Do not leave the appliance exposed to weathering (rain, sun, etc).

- The device should be cleaned periodically.
- The gas tube must be replaced within 5 years after the production date marked on the tube. Example of the production code: On the tube it is indicated the quarter and the year of production: e.g. 3Q/23 It means that the tube was produced in the third quarter of year 2023 --> The tube must be replaced within September 2028
- Do not tamper or modify the appliance.
- If you smell gas:
  - Turn off the gas supply to the gas cylinder
  - Extinguish all naked flames
  - Do not operate any electrical appliances
  - Ventilate the area
  - Check for leaks as detailed in this manual
 If the odour persists, contact your dealer or gas supplier immediately
- Do not use the appliance if a leak is found.
- Do not use a naked flame for leak testing.
- Do not use electrical equipment in the presence of a gas leak.
- Only use the appliance in a well-ventilated area.
- Do not use the appliance in leisure vehicles such as caravans and autocaravans.
- This appliance requires a hose and a regulator, check it with your gas supplier.
- **Save these instructions for future reference.**

# Assembly instructions for foldable gas heater

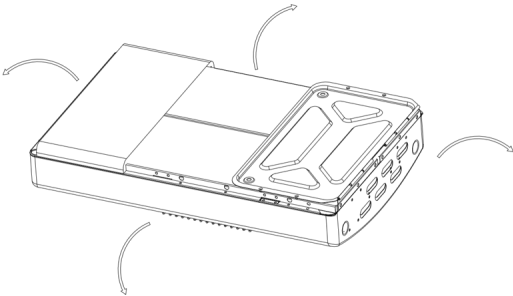
## Description of the appliance



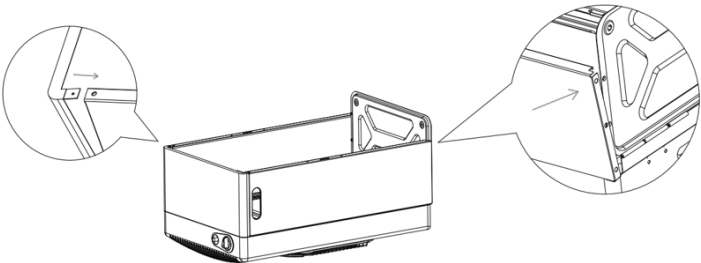
|   |                  |
|---|------------------|
| A | Left side panel  |
| B | Right side panel |
| C | Bottom plate     |
| D | Top panel        |
| E | Front panel      |
| F | Back panel       |

|             | Qty |
|-------------|-----|
| Screw ST4x8 | 12  |
| Screw M5x8  | 4   |
| Nut M8      | 2   |
| Wheel       | 4   |

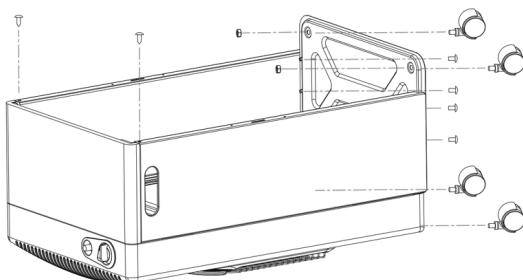
- 1 Lay the appliance upside down on the front as shown. Put on a towel or soft mat/cloth to protect it from damage. Fold the (A) left side panel, (B) right side panel, (C) bottom plate and (D) top panel opening to form a 90-degree angle.



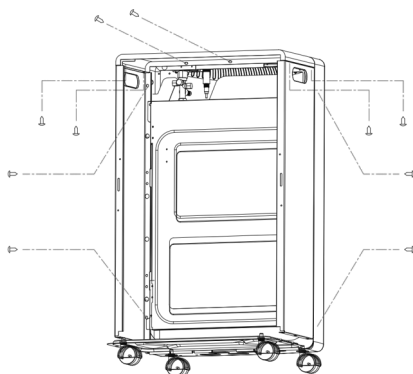
- 2 Please insert the corner panel under the side panel and the bottom plate on the side panel.



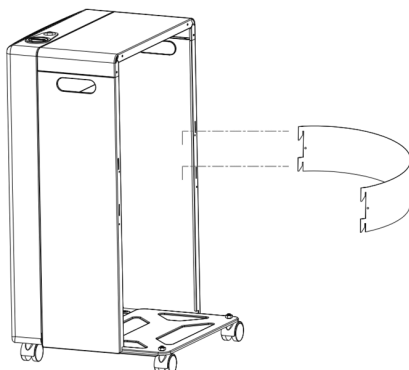
- 3 Fix two wheels directly to the bottom of (E) the front panel and fix 2 wheels with the (C) bottom plate with the 2 nuts provided (M8). Use 4 screws (M5x8) to fix the bottom plate with the left and right-side panel. Fix the corner panel with side panels by 2 screws (ST4x8).



- 4 Fix the (D) top panel with (E) the front panel by 2 screws (ST4x8). Use 4 screws (ST4x8) to fix the top panel with left and right panel. Fix the left and right panel with the front panel with the 4 screws (ST4x8).



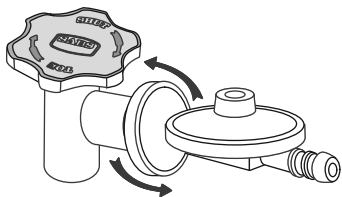
- 5 Put the (F) back panel on two side panels after you place the gas cylinder on the bottom plate.



## Installation

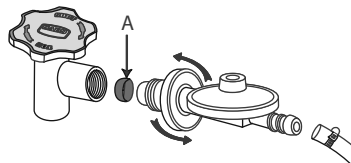
This appliance uses a 9 kg industrial gas cylinder with a 5/8" BSP (British Standard Pipe) thread and a horizontal exit valve. The Bullnose regulator supplied with the appliance tightens to the left-hand side (anti-clockwise).

- If you have bought a new gas cylinder, it must be purged (emptied), before its first use. If it is not purged of air, the appliance will not work properly. This should happen at the gas filling station when filling the gas cylinder. Always check this with your gas supplier.



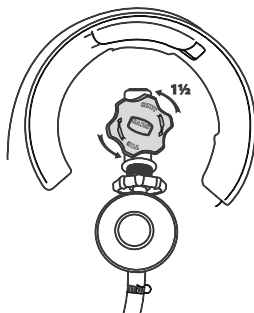
## Heater set up

- 1 Before removing this appliance from the packaging, read this manual in full and make sure that it is what you want /need.
- 2 Remove the appliance from the packaging.
- 3 Check if the nose cone (A) is there, secured and in good condition.

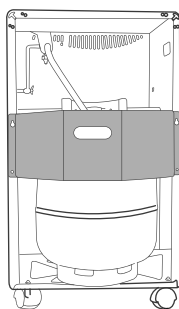


- 4 The regulator goes directly into the gas cylinder valve. Always make sure that the regulator bottoms fully. The use of adaptors is forbidden.

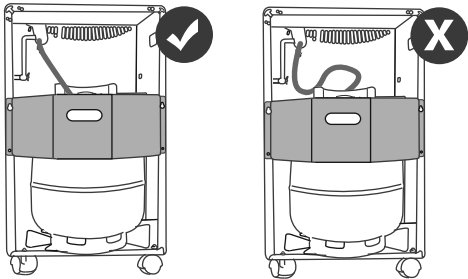
- 5 Screw the regulator into the gas cylinder valve. Do not use a tool to tighten the regulator. It is to be hand-tightened only.
- 6 Open the gas cylinder valve. Turn the valve 1½ turns to the left (anti-clockwise).



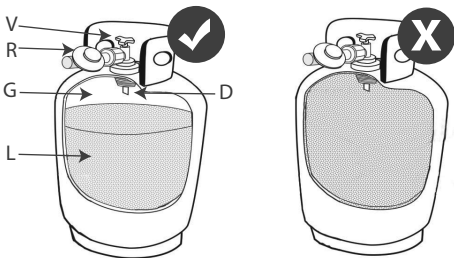
- 7 Push the control down for at least 10 seconds, but do not try to turn on the appliance.
- 8 This will allow the gas to flow through the appliance, making the leak test possible.
- 9 Perform the leak test.
- 10 Place the gas cylinder in the appliance cabinet by securing the rear guard in place.



- Make sure that the hose is positioned away from the heat zone at the back of the appliance! Failure to do so can result in a fire.

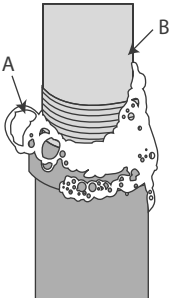


- **Always beware of "over-filled" gas cylinders. If a gas cylinder is "slightly-overfilled", you will struggle to turn on the appliance. The liquid will enter the regulator (R) and it will "freeze up". Refer to your gas supplier. When trying to turn on the appliance, it will keep on making popping noises. The appliance will not turn on until the gas cylinder level has reached the required and mandatory filling level: gas 20% (G) and liquid 80% (L).**



|   |            |
|---|------------|
| D | Dip Tube   |
| G | Gas 20%    |
| L | Liquid 80% |
| R | Regolator  |
| V | Valve      |

foamy). A stream of bubbles forming indicates a gas leak (A).



## Leak test

The leak test must be carried out in a well-ventilated area, free from any flames or other sources of ignition.

- With the gas cylinder connected to the appliance and the gas cylinder valve open, press down the appliance control knob. This allows the gas to flow through the appliance.
- Brush all the connections (hose to valve, hose to regulator, regulator into gas cylinder) with a solution of soap and water (make sure it's

- If bubbles appear, turn OFF the gas cylinder valve (clockwise) and disconnect the regulator from the gas cylinder.
- Tighten the connection (B) and retry the leak test. If you are unsure or if you cannot tighten the connection,

place the gas cylinder outside in a cool, well-ventilated area and contact your supplier.

- **A leak between the regulator and gas cylinder can lead to a high-pressure fire, which is very dangerous and can result in severe injury or even death.**

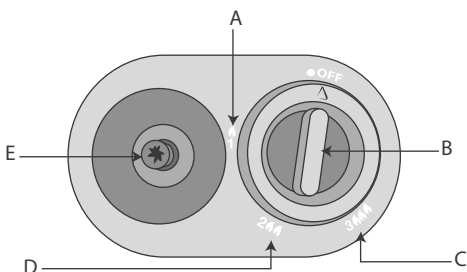
## Using your appliance

This appliance can be regulated to three different heat selections: 1, 2 and 3.

- 1 Open the gas cylinder valve by turning the gas cylinder valve to the left.
- 2 Press the control knob (B) down at the OFF position and turn to 1 (A). Hold the control knob (B) for  $\pm 10-15$  seconds.
- 3 While holding it down, slowly press the red ignition button (E) to turn on

the appliance. The appliance should make a click sound and you should see a spark. The pilot flame should ignite. Once the pilot flame ignites, hold down the knob for another 10-15 seconds.

- 4 If the pilot flame does not remain lit, repeat step 3. It may require more than one attempt.
  - 5 Once the pilot flame and centre panel are burning, you can select the setting 2 (D) or 3 (C) by pressing and turning the knob (B) slightly to the desired setting.
- When lighting a new gas cylinder or connecting a gas cylinder for the first time after it has been refilled, you may have to press the control valve for a longer period of time.
  - This appliance must be turned off using the control knob (B) first and only then closing the gas cylinder valve.



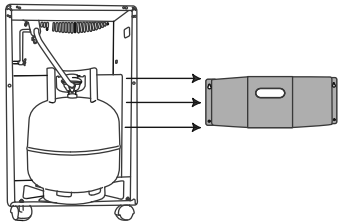
- This appliance has a positive OFF valve. Use the control knob (B) and turn it to OFF before closing the gas cylinder valve.
- **Never attempt to remove the regulator if the appliance is on or if the gas cylinder valve is not properly closed.**
- Disconnect the regulator and allow the appliance to cool down.
- Check for blockages in the burner tube. Clean with compressed air, a small soft brush or pipe cleaners.
- If the problem persists, have the appliance checked by a qualified technician.

### Flashback (flames in the burner tube)

- If a flashback occurs (indicated by a roaring noise), immediately close the gas cylinder valve.
- Turn OFF the appliance with the control knob.

**Changing your gas cylinder**

- Make sure your gas cylinder valve is closed (by turning it clockwise). Allow the appliance to fully cool down before replacing the gas cylinder. Open the back of the appliance to expose the gas cylinder.

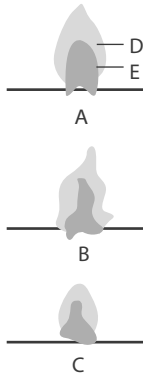


- Remove and replace the gas cylinder. Always check that the regulator-sealing washer (nose cone) is intact and in place before reattaching the regulator to the gas cylinder.
- **Do not attempt to remove the regulator while the appliance is on or if the gas cylinder valve is not closed.**

**Cleaning and maintenance**

- Always make sure that the appliance is OFF and cool, with the gas cylinder valve closed, before carrying out any maintenance work.
- The appliance should be checked once a year by a qualified technician.
- If faults are suspected or detected, stop using the appliance and contact the Manufacturer.
- Clean the exterior and the storage area of your appliance when required to remove dust and prevent lint build up.
- **Do not use abrasive products to clean the appliance as these may damage the paintwork.**

- When ignited, the pilot flame should be steady. If it flickers or is yellow, the appliance needs to be checked.



|   |                                     |
|---|-------------------------------------|
| A | Good. Slightly rounded flame centre |
| B | Bad. Not enough air                 |
| C | Bad. Too much air                   |
| D | Outer flame                         |
| E | Core flame                          |

- If any part of the appliance needs to be replaced, only use original parts. Using any other spare parts is dangerous and will cancel the warranty.
- When the appliance is not going to be used for an extended period of time, keep it covered or in its box, to prevent dust from settling on the panels.
- When removing the appliance from storage, use a vacuum cleaner to vacuum the panels before re-use.

### Troubleshooting

| Symptom                          | Cause                    | Solution                                                             |
|----------------------------------|--------------------------|----------------------------------------------------------------------|
| Odour                            | Combustion               | The combustion process will always cause an odour                    |
| Strong odour                     | Incorrect gas mixture    | Obtain LPG (Liquefied Petroleum Gas) only from reputable LPG dealers |
|                                  | Unburned gas leak        | Perform a leak test<br>Always ensure there is proper ventilation     |
| The flame burns then dies        | Over-filled gas cylinder | Return the gas cylinder to your gas supplier                         |
|                                  | Ventilation              | Make sure the room has adequate ventilation                          |
|                                  | Empty gas cylinder       | Replace with a full gas cylinder                                     |
| The appliance does not turn on 1 | Empty gas cylinder       | Replace with a full gas cylinder                                     |
|                                  | No gas flow              | Open the gas cylinder valve                                          |
| The appliance does not turn on 2 | Blocked nozzle           | Take the appliance to your service dealer to unblock jets            |

### Technical data

|                    |           |
|--------------------|-----------|
| Model              | GHM20     |
| Type of gas        | LPG       |
| Operating pressure | 2.8kPa    |
| Injector size      | 0.60 mm   |
| Gas Consumption    |           |
| 3 (3 panels)       | 305 gr/hr |
| 2 (2 panels)       | 210 gr/hr |
| 1 (1 panel)        | 110 gr/hr |
| Heat output        | 4.2 kW    |

This appliance has been tested and is LPGSASA (Liquefied Petroleum Gas Safety Association of Southern Africa) approved under the SANS 1539 (appliance), SANS 1237 (regulator) and SANS 1156 (hose) specifications.

### Features

|                                      |                                                                                                                      |
|--------------------------------------|----------------------------------------------------------------------------------------------------------------------|
| <b>Turn off</b>                      | The appliance can be turned off with the control knob.                                                               |
| <b>Oxygen Depletion Sensor (ODS)</b> | A safety feature that shuts the appliance off if the carbon monoxide levels in the room reach 200 parts per million. |
| <b>Flame Failure Safety Device</b>   | A safety feature that shuts the gas flow off completely if the pilot flame dies for any reason.                      |

## Service and customer care

- If you experience any problems with the operation of your appliance, before requesting assistance visit [www.kenwoodworld.com](http://www.kenwoodworld.com).
- Please note that your product is covered by a warranty, which complies with all legal provisions concerning any existing warranty and consumer rights in the country where the product was purchased.
- If your Kenwood product malfunctions or you find any defects, please send it or bring it to an authorised KENWOOD Service Centre. To find up-to-date details of your nearest authorised KENWOOD Service centre, visit [www.kenwoodworld.com](http://www.kenwoodworld.com) or the website specific to your Country.
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### **IMPORTANT INFORMATION FOR CORRECT DISPOSAL OF THE PRODUCT IN ACCORDANCE WITH THE EUROPEAN DIRECTIVE ON WASTE ELECTRICAL AND ELECTRONIC EQUIPMENT (WEEE)**

At the end of its working life, the product shall not be disposed of as urban waste.

It shall be taken to a special local authority differentiated waste collection centre or to a dealer providing this service.

Disposing of a household appliance separately avoids possible negative consequences for the environment and health deriving from inappropriate disposal and enables the constituent materials to be recovered to obtain significant savings in energy and resources. As a reminder of the need to dispose of household appliances separately, the product is marked with a crossed-out wheeled dustbin.