

Jøtul Gas Atra 740 DS

Installation and Operating Instructions - English

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These instructions must be kept for future references.

Installation signature form

With proper usage and maintenance, this fireplace will serve its owner adequately for many years. Please contact your Jøtul dealer for assistance if any problems should arise with your Jøtul fireplace. Hold on to this user manual and make sure it is available for service personnel.

Model name: Jøtul Gas Atra 740 DS

Serial no.:

Purchase date:

Name of installer:

Fuel type:

Was the stove converted?:

Notes:

Annual service - year 1 Service details:	Sign.:	Company:	Date:
Annual service - year 2 Service details:	Sign.:	Company:	Date:
Annual service - year 3 Service details:	Sign.:	Company:	Date:
Annual service - year 4 Service details:	Sign.:	Company:	Date:
Annual service - year 5 Service details:	Sign.:	Company:	Date:
Annual service - year 6 Service details:	Sign.:	Company:	Date:
Annual service - year 7 Service details:	Sign.:	Company:	Date:
Annual service - year 8 Service details:	Sign.:	Company:	Date:
Annual service - year 9 Service details:	Sign.:	Company:	Date:
Annual service - year 10 Service details:	Sign.:	Company:	Date:
Annual service - year 11 Service details:	Sign.:	Company:	Date:
Annual service - year 12 Service details:	Sign.:	Company:	Date:
Annual service - year 13 Service details:	Sign.:	Company:	Date:
Annual service - year 14 Service details:	Sign.:	Company:	Date:
Annual service - year 15 Service details:	Sign.:	Company:	Date:
Annual service - year 16 Service details:	Sign.:	Company:	Date:
Annual service - year 17 Service details:	Sign.:	Company:	Date:
Annual service - year 18 Service details:	Sign.:	Company:	Date:
Annual service - year 19 Service details:	Sign.:	Company:	Date:
Annual service - year 20 Service details:	Sign.:	Company:	Date:

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Jøtul Gas Atra 740 Double Sided

Decorative Gas Fuel Effect Appliance

**Countries of destination: AT, CH, DK,
ES, FI, FR, GB, GR, IE, IT, NL, NO, PT, SE.**

Independently Tested to EN613

**Only to be used with the gas type and
pressure stated on the data plate affixed to
the appliance.**

*Keep these instructions in a safe place for
future use.*

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Installation and Use Instructions

Important: Before proceeding with installation and use of this appliance, read these instructions carefully. Keep them in a safe place for future reference.

Before installation, ensure that the local distribution conditions (identification of gas and pressure) and the adjustment of the appliance are compatible.

This appliance is intended for use on a gas installation with a governed meter.

Gas appliances and chimneys require fresh air ventilation to work correctly and safely. **Only** use this appliance in a sufficiently ventilated space. Installation **must** be in compliance with the local and national rules in force. If in doubt seek expert local advice. Check ventilation regularly to make sure it is clear and unobstructed.

This appliance must only be installed by a competent person. In the UK this means a registered gas fitter **only**. Failure to observe this could lead to prosecution.

This appliance firebox is designed for use **only** with the glass panel in position. If the glass is damaged, loose or missing, the appliance could be dangerous due to leaking products of combustion so **do not** use in this condition. This appliance is intended for decorative use.

This appliance is a gas burning solid fuel effect appliance and as such it gets very hot in operation. No areas are designed to

be touched during operation other than the control cover door and control knob itself. All other parts of the appliance are 'working surfaces' and get hot as a part of their function. Do not touch any areas other than the intended controls and always fix a proper fireguard in place when the presence of children, the elderly or infirm is likely. The glass itself is not a substitute for a fireguard and burns can occur from touching this working surface and the metal surrounds.

2. Flue Requirements

- A minimum 6" or 150mm diameter flue liner or rigid wall flue system is required for connection to this appliance.
- Minimum height of flue from top of appliance is 3m.
- The flue must be free of obstructions or dampers. Any damper must be removed or fixed permanently in the open position.
- If the chimney has been used for solid fuel or oil burning it must be thoroughly swept and completely cleaned before use.
- The chimney must be free from leaks or damage and continuous in its whole length. It must serve only one fireplace.
- Before installing to an existing flue liner, check that it has a draught by using a smoke match or similar. Investigate if there is no draught.
- No combustible materials are permitted in or near the flue or in contact with the flue liner or top of the firebox. Failure to comply with this requirement could lead to a fire hazard.

3. Fireplace Opening Requirements

- This appliance is only suitable for installation into **non-combustible** fireplaces or builders openings.
- Minimum opening dimensions are 745mm wide, 590mm high and 495mm deep.
- This is a double sided appliance and requires a room area each side of the firebox.
- Under no circumstances place the appliance on to carpet or any kind of combustible materials, including wood.
- Make sure that the rooms have adequate combustion and flue air supply. Purpose provided ventilation will normally be required in the UK for the proportion of the gas input that is above 7kW.
- Any combustible surrounding materials, including wallpaper, wooden shelves etc must be a sufficient distance from the appliance to prevent any risk of overheating.

1. Product Information

Gas Type: Natural or LPG – see Data plate on appliance.

Natural Gas

Gas Type	Pressure	Gas Rate(m ³ /h)	CAT	NOx Class	Countries of Destination
G20	20 mbar	1.153 (12.2kW)	I2H	4	GB, IE, AT, CH, DK, ES, FI, GR, IT, NO, PT, SE
G20/G25	20/25 mbar	1.153 (12.2kW)	I2E+	4	FR
G25	25 mbar	1.232 (11.1kW)	I2L	5	NL

LPG

Gas Type	Pressure	Gas Rate (m ³ /h)	CAT	NOx Class	Countries of Destination
G31	37 mbar	0.420 (11.1)	I3P	5	GB, IE, CH, ES, FR, GR, IT, PT
G30/31	30 mbar	0.322 (11.4)	I3B/P	G30:3 G31:4	NL, NO, SE

Gas Connection: 8mm compression fitting.

Fuel Effect: Logs, Driftwood.

Efficiency: 63%

Normally 6" or 150mm from the edge of the appliance casing will be sufficient. Check temperatures after several hours operation if in doubt about materials and their suitability. No curtains may be positioned above the appliance.

- The chimney must have suitable liner for direct connection to the appliance flue outlet spigot. Under **no** circumstances may the appliance be fitted directly into a fireplace or chimney without **direct** connection to a proper flue pipe. Failure to observe this could cause abnormal operation of the appliance leading to a dangerous situation.
- The gas supply can be laid into the firebox from underneath the gas burner assembly (chased into the constructional hearth) as the firebox has an open base.

4. Ventilation

- For UK installation every 1kW above 7kW gas input, there must be 5cm² of additional purpose provided ventilation. For example: if the input is 8.15 kW (see data badge) this requires 1.15kW x 5cm² = 5.75cm² of permanent ventilation.
- This can be directly to outside air through an outside wall or through another room – but the next room must also have sufficient permanent ventilation to the outside. If in doubt consult a **Corgi** registered fitter.

5. Installation of Appliance Firebox

- The gas supply must have a shut off valve near the appliance for maintenance purposes. A restrictor elbow is supplied with the appliance to use if one is not already present.
- Only use the **minimum** length of 8mm diameter pipe for this fire. It has a high heat input and using more than 0.3m of 8mm diameter pipe for the final connection is likely to lead to an excessive pressure drop. Use minimum 15mm pipe for the lead up to the appliance and 22mm further back.
- Plan to site the flame and ignition gas control on the appliance in the room that will be used most. There is only a gas control at **one side** of the double sided appliance.
- Remove the glass panels (2 screws at bottom edge of each) and lift out the draught diverter assembly (packed inside the firebox) complete with flue spigot connector and place to one side.
- Lift out the log retainers noting that the back one (side away from the gas control) is slightly smaller than the front one.
- Insert the firebox into the opening and position correctly.
- Bring flue liner down into top of firebox through hole in top.
- Put gasket onto draught diverter flange and slide flue spigot and draught diverter assembly onto flue liner until properly engaged. Do not push liner down further than lower fixed stops in spigot.
- Use self-tapping screws to secure flue liner to flue spigot, making sure that the draught diverter part of the assembly is left clear for gases to enter the flue liner. This **must** be observed. Failure to screw the liner on properly or blocking the gap for products of combustion to enter the flue pipe will cause abnormal operation and may be dangerous.
- Push the whole assembly up into the hole in the firebox top and secure with screws provided.
- Decide which side of the fire is to have the gas control present. Now lay in the gas pipe to the right side of the opening when facing the side to have the control. Place the burner into the firebox to mark the position of the gas connection to the valve. Remember to only use the shortest piece of 8mm pipe possible.

- Complete the gas pipe for the burner assembly to the right hand side front underneath the firebox. Knockouts are provided in the sides of the firebox if necessary but the gas pipe can be brought in underneath the fireplace base in most instances as the firebox bottom is open.
- Make good the wall surface up to the firebox or fit a trim. Always use non-combustible materials e.g cement render and not plaster. Marble slips, metal or stone panels etc can be used to replace plaster around the firebox if required. Basic plaster and plasterboard do not usually have sufficient heat resistance to be used directly above the firebox.

6. Installation of Gas Burner

- Place burner into firebox. Angle control valve through the cut-out in the firebox base first and then lower down gradually, making the angle horizontal as it is lowered. Sometimes this is easiest from the side away from the control valve.
- **Purge gas pipe** to ensure any dust or debris is removed from it before connection to valve. The valve may be permanently damaged if this is not done and will be a chargeable replacement.
- Connect the gas pipe to the control valve using the internal compression nut and olive (compression ring) provided.
- Secure the burner to the firebox through the legs using the four M4 screws provided. Note that only 4 of the 8 holes are required depending upon which way the burner is installed.
- Place log retainers in firebox. The larger one goes at the side of the burner with the gas control present. The smaller one goes at the other side.
- Check for gas soundness and operation of ignition and pilot.
- Place pilot shield in front of pilot by hooking on to edge of burner tray.
- Install ceramics with instructions provided in pack.

7. Lighting and Controlling the Fire

- From the off position, press in and turn the knob anti-clockwise. A click will be heard from the piezo spark generator and the gas should ignite at the pilot. If it does not light first time, repeat until it does. When pilot is lit **hold** knob in for about 10 seconds to actuate the flame safety valve. If the pilot goes out, try again but hold in firmly for longer.
- Release valve knob and turn fully anti-clockwise to release gas to main burner. Once burner is lit the gas flow may be regulated by turning between low and high flame settings to the desired level.
- To turn back to pilot only, depress the control knob slightly first before selecting that position.
- To switch off completely press knob slightly and turn fully clockwise of off position.
- **Do not** relight burner for 3 minutes after switching off from hot condition.

8. Important Appliance Control Notes

- This appliance is fitted with an Oxygen depletion sensing pilot unit which automatically shuts off the gas to the whole burner system if the oxygen levels in the room drop significantly. This can be caused by lack of ventilation or a blocked flue system which could cause dangerously poor combustion due to depleting oxygen levels.

- If the fire shuts down for any reason, wait a few minutes and try re-starting it. If the problem continues, immediately call an expert engineer to examine the installation.
- No part of the pilot or its air supply shall be modified in any way, or put out of operation, even by an installer/engineer. This can be very dangerous.
- Never use any other parts other than those officially supplied by Jøtul or its representatives to repair the oxygen depletion sensor pilot.
- As part of the flame supervision system, the fire will also shut down if the gas supply fails or the pilot flames are extinguished for any reason. The valve will fail-safe and the appliance can be re-lit when conditions are restored.

9. Commissioning

- Close doors and windows and light fire on high. If there are extractor fans in neighbouring rooms, switch them on high and open interconnecting doors. Burn fire for 5 minutes and then test for spillage from draught diverter in both rooms. Use a smoke match tube from front of firebox top slot or push burning match in to slot at front. All smoke should be drawn into flue. Any escaping smoke at all indicates spillage.
- If spillage is indicated burn for another 10 minutes and re-test.
- If spillage is persistent, investigate flue pipe system or extractor fans etc and rectify problem. Minimum specification of flue must be 3m of 150mm (6") diameter liner or rigid pipe from the flue connector.
- A smell may be emitted from the fire when first used due to paint and materials curing. Burn the appliance on high and open doors and windows to burn this off as effectively and quickly as possible.
- Check gas pressure. This should be as per specified gas pressure on data plate. A test point is provided on the front of the gas control to check this. Check test point for leakage after testing.

10. Servicing

- This appliance should be serviced at least every 12 months to ensure safe operation.
- Any debris or soot which accumulates on the burner should be removed regularly.
- Clean the glass with a glass cleaner (or ceramic hob cleaner for stubborn marks) regularly. Simply remove the two screws at the bottom of each glass frame under the control cover and pull outwards and downwards gently to release the frame and glass. **Do not** use the appliance without the glass in place and undamaged. Failure to do this may create a dangerous situation.
- Remove fuel effect pieces and clean burner with vacuum cleaner.
- Disconnect gas supply and remove burner unit.
- Clean out air intake on venture tube under burner.
- Clean out air intake on front of pilot unit.
- Clean out gas injector.
- Check and tighten all gas and thermocouple connections as required.
- Replace burner and reassemble firebed. Replace glass panel.
- Check ventilation is clear and unobstructed and meets with requirements.
- Recheck spillage as described in Commissioning section.

11. Fault Finding

1. No Spark:

- Pilot damaged or electrode too close or far from pilot head - adjust.
- Detached ignition lead – reconnect.
- Electrode insulator cracked – replace pilot assy.
- Soot or debris on pilot assembly – clean.
- Faulty ignition lead – replace valve assembly.

2. Spark Visible But Pilot Will Not Light:

- Check there is gas to appliance.
- Check restrictor elbow or isolation valve are open.
- Check pipe work is clean – including inlet connection.
- Pilot injector blocked – clean.

3. Pilot Flame Shortens Or Goes Out When Main Burner Lit:

- Insufficient gas supply to appliance – check inlet pipe work.
- Check for kinked bends or debris in pipes and connections.
- Check meter pressure setting.
- If no blockages or kinks are found then pipes may be undersized for the run to the appliance.
- **Note:** This is not an appliance fault.

4. Pilot Goes Out When Knob Released:

- Check tightness of thermocouple connections.
- Hold in knob for longer or more firmly.
- Debris in pilot pipe or jet – clean out.
- Replace pilot assembly.

5. Uneven or poor Flame Picture.

- Re-lay fuel bed.
- Remove stray embers from burner ports.
- Remove burner top board (if possible without damaging) and clean gauze underneath.
- Re-distribute embers (if fitted)
- Check gas pressure.

6. Blue Flames:

- Allow burner longer to warm up.
- Wrong gas pressure

Instructions for Use

1. Important Notes

Before proceeding with use of this appliance, read these instructions carefully. Keep them in a safe place for future reference. Make a note of your installers name, address and registration number for future reference. This appliance is primarily intended for decorative purposes and not as a main heating unit.

Gas appliances and chimneys require fresh air ventilation to work correctly and safely. **Only** use this appliance in a sufficiently ventilated space. Installation **must** be in compliance with the local and national rules in force. If in doubt seek expert local advice. Check ventilation regularly to make sure it is clear and unobstructed.

This appliance must only be installed by a competent person. In the UK this means a registered gas fitter **only**. Failure to observe this could lead to prosecution.

This appliance firebox is designed for use **only** with the glass panels in position. If the glass is damaged, loose or missing, the appliance could be dangerous due to leaking products of combustion so **do not** use in this condition.

This appliance is a gas burning solid fuel effect appliance and as such it gets very hot in operation. No areas are designed to be touched during operation other than the control cover door and control knob itself. All other parts of the appliance are 'working surfaces' and get hot as a part of their function. Do not touch any areas other than the intended controls and always fix a proper fireguard in place when the presence of children, the elderly or infirm is likely. The glass itself is not a substitute for a fireguard and burns can occur from touching this working surface and the metal surrounds.

2. Important Appliance Control Notes

- This appliance is fitted with an oxygen depletion sensing pilot unit which automatically shuts off the gas to the whole burner system if the oxygen levels in the room drop significantly. This can be caused by lack of ventilation or a blocked flue system which could cause dangerously poor combustion due to depleting oxygen levels.
- If you suspect flue gases are coming into the room, call out your installer to check the safety of the installation.
- If the fire shuts down for any reason, wait a few minutes and try re-starting it. If the problem continues, immediately call an expert engineer to examine the installation.
- As part of the flame supervision system, the fire will also shut down if the gas supply fails or the flames are extinguished for any reason. The valve will fail-safe and the appliance can be re-lit when conditions are restored.

3. Lighting and Controlling the Fire

- From the off position, press in and turn the knob anti-clockwise. A click will be heard from the piezo spark generator and the gas should ignite at the pilot. If it does not light first time, repeat until it does. When pilot is lit **hold** knob in for about 10 seconds to actuate the flame safety valve. If the pilot goes out, try again but hold in firmly for longer.
- Release valve knob and turn fully anti-clockwise to release gas to main burner. Once burner is lit the gas flow may be regulated by turning between low and high flame settings to the desired level.
- To turn back to pilot only, depress the control knob slightly first before selecting that position.
- To switch off completely press knob slightly and turn fully clockwise of off position.
- **Do not** relight burner for 3 minutes after switching off from hot condition.

4. Servicing and Cleaning

- The appliance must be serviced every 12 months minimum.
- Any debris or soot which accumulates on the burner should be removed regularly (only when cold!).
- If local regulations demand it, the flue liner should be cleaned as required.
- Clean the glass inside and out (only when cold!) with a glass cleaner (or ceramic hob cleaner for stubborn marks) regularly. Simply remove the two screws at the bottom of each glass frame under the control cover and pull outwards and downwards gently to release the frame and glass. **Do not** use the appliance without the glass in place and undamaged. Failure to do this may create a dangerous situation.
- Remove fuel effect pieces (including embers where provided) and clean burner with vacuum cleaner.
- Re-lay the fuel as shown in the diagrams. Do not re-lay in any other way, or change the amount of fuel, as this can seriously affect operation.
- Clean paintwork and trims with a damp cloth only when cold! Do not use abrasive or chemical cleaners.

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Draw.no. 4-4523-P00
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Jøtul pursue a policy of constant product development. Products supplied may therefore differ in specification, colour and type of accessories from those illustrated and described in the brochure.

Quality

Jøtul AS has a quality system that conforms to NS-EN ISO 9001 for product development, manufacturing, and distribution of stoves and fireplaces. This policy gives our customers quality and safety piece of mind as a result of Jøtul's vast experience dating back to when the company first started in 1853.



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Norway

This product has been controlled by:

Date: _____ Sign: _____