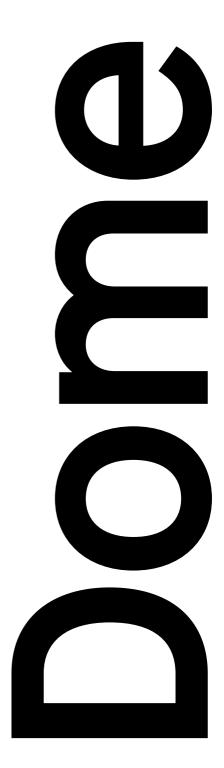
Technical Manual





Introduction



DANGER

If you smell gas:

Shut gas off to the appliance.

Extinguish any open flame.

If odour continues, keep away from the appliance and immediately call your fire department.



WARNING

Do not store or use gasoline or other flammable liquids or vapors in the vicinity of this or any other appliance.

An LPG cylinder not connected for use shall not be stored in the vicinity of this or any other appliance. This instruction manual contains important information necessary for the proper assembly and safe use of the appliance.

Read and follow all warnings and instructions before assembling and using the appliance. Follow all warnings and instructions when using the appliance. Keep this manual for future reference.

Never operate this appliance in enclosed areas. Failure to follow these instructions could result in asphyxiation, fire or explosion which could cause property damage, personal injury or death.

__

Never operate this appliance unattended.

__

Never operate this appliance within 1.5m of any structure, combustible material or other gas cylinder.

_

Never operate this appliance within 7.5m of any flammable liquid.

Do not fill the cooking vessel beyond the opening of the oven mouth.

Heated liquids remain at scalding temperatures long after cooking process.

Never touch cooking appliance until liquids have cooled to 45°C or less.

If a fire should occur, keep away from the appliance and immediately call your fire department. Do not attempt to extinguish an oil or a grease fire with water. Dome gets extremely hot and should not be used by children. Do not allow children near the device during or after operation. Dome can stay hot for a few hours after use.

_

Do not use under any apartment or balcony or deck.

This appliance is for cooking purposes only. It must not be used for other purposes, for example heating a room.

Dome has not been designed or intended to be used on a marinecraft or within a recreational vehicle or any other form of confined area.

Assembly and operation of the oven should be carried out by a competent person.

_

The use of alcohol, prescription or non-prescription drugs may impair the consumers ability to assemble or operate the device safely.

Do not use any plastic or glass utensils within Dome.

_

Use heat-resistant gloves when operating the oven.

_

Do not insert items into Dome that are bigger than the dimensions of the oven mouth. Do not over fill Dome or cover the burner.

__

Do not use an unlined masonry chimney as the flue for this appliance.

_

Do not operate Dome in strong winds. Winds can extinguish the flame and also cause irregular air pressure resulting in the flame and heat coming out the back of Dome. Use a wind break in open areas but keeping over 45cm away from the device.

—

Do not pour water on to the cooking stone as this will likely crack it and could be dangerous because of oil and grease.

_

Do not modify this appliance.

__

Do not spray aerosols in the vicinity of this appliance while it is in operation.

_

Do not place articles on or against this appliance.

_

Do not use the appliance indoors. It is only suitable for use outdoors.

For replacement parts go to Gozney. com.

This appliance shall only be used in an above ground open-air situation with natural ventilation, without stagnant areas where gas leakage and products of combustions are rapidly dispersed by wind and natural convection. Any enclosure in which the appliance is used shall comply with one of the following:

Warning: Do not use the gas or wood appliance of Dome in enclosed or on small balconies.



Within a partial enclosure that includes an overhead cove and no more than two walls. A common example is an outdoor gazebo.



Any enclosure with walls on all sides but at least one permanent opening at ground level.



The appliance may be within a partial enclosure that includes an overhead cover and more than two walls, the following shall apply:

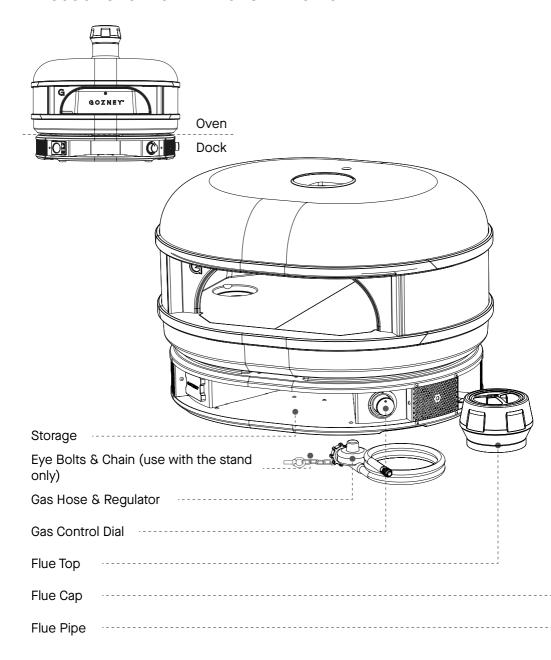
at least 25% of the total wall area is completely open;

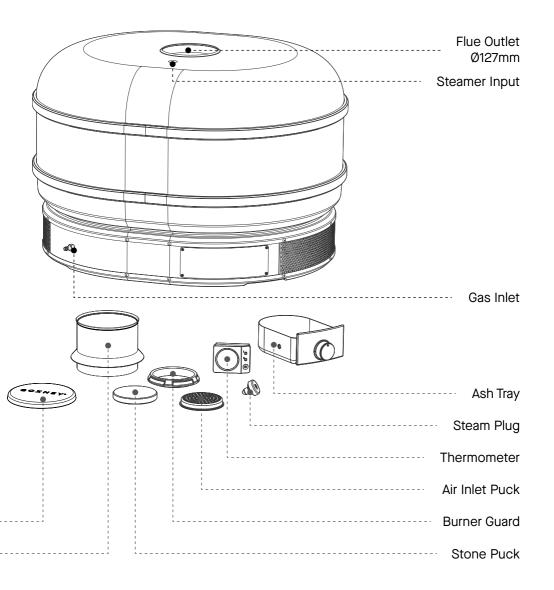
and at least 30% of the remaining wall area is open and unrestricted.



In the case of balconies, at least 20% of the total of the side, back and front wall areas shall be and remain open and unrestricted.

Product Overview - What's in the Box





Data Plate

Gozney Limited, Units 18 & 19, Radar Way, Christchurch, Dorset, BH23 4FL UK.				
Appliance name:	Gozney Dome			
Model/type No.:	4555-V1-03			
Trade name:	Gozney Dome			
Gas pressure:	2.75 kPa			
Gas rate:	30 MJ/h			
Gas type:	ULPG			
Jet orifice:	1.52mm			

This section details the correct operation and install of a Gozney Dome.



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SAFETY CONSIDERATIONS

This appliance must be installed on a secure level base prior to use.

WARNING: This appliance will become very hot, do not move it during operation.

WARNING: Keep away from children and pets.

The Dome unit and the burner must always be well ventilated.

Do not move or leave Dome unattended whilst in use.

Do not operate Dome in strong winds. Wind can extinguish flame.

Do not wear flammable loose garments or sleeves.

Do not cover oven mouth when there

is an active flame, this will cause damage to the oven.

Product may contain sharp edges! Please use caution.

Never use gas and wood simultaneously.

Do not use or store flammable materials in or near this appliance.

WARNING: Contact your local municipality for any building codes applicable to the use, installation and operation of outdoor cooking appliances.

Outdoor installations must conform to local codes or, in the absence of local codes, with the following standards: AS/NZS 5601

CARBON MONOXIDE

Carbon Monoxide is a highly poisonous gas which can be produced when the device isn't receiving enough ventilation.

We therefore recommend using wood or gas fuels in a well ventilated area away from direct wind and to never cover the oven mouth when there is an open flame present.

It is difficult to know if your device is producing Carbon Monoxide as it is an odourless and colourless gas.

It can, however cause these symptoms when you are exposed to it:

FIRE

Most fires are caused by a build up of grease, or (if using gas) an improper gas connection. In the event of a fire ensure all people and pets are kept as far away as possible.

Use a fire extinguisher if possible, but if water is the only fire retardant available, thoroughly soak the area around the appliance. When spraying water on Dome itself, do not use a strong jet of water, as this may cause splashing of burning grease, resulting in a further spreading of the fire.

- · Tightness across the forehead
- · Headache
- · Weakness
- Dizziness
- Nausea
- Vomiting
- · Coma, intermittent convulsions
- Depressed heart action, slowed respiration

If the exposure has been severe it may cause death.

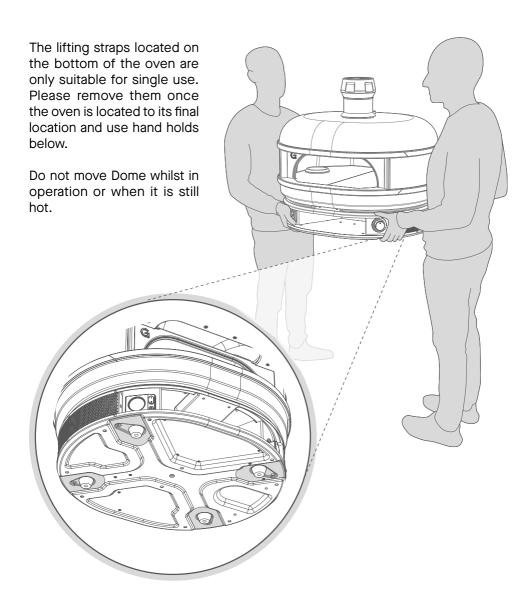
Please follow local regulations and install a CO alarm if necessary.

This section details the set up of the oven and the accessories included with your Dome.



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Moving the Oven

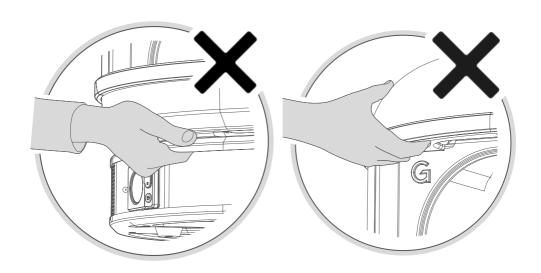


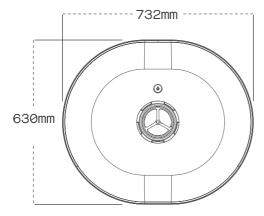
Never attempt to move the oven on your own. Two people should pick up the oven lifting from under the rounded ends of the oven, do not use the mouth of the oven as a lifting point.

Remove anything loose and all transit packaging in the oven before moving.

Always plan the route you are going to take, remove any obstacles on your path and ensure the oven will fit through the intended route.

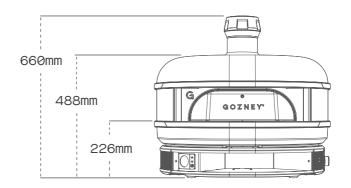
Ensure the area you are moving the oven to fits with the guidelines on the following page.





OVEN PLACEMENT

When deciding where to place Dome ensure the area is large enough to accommodate the oven with 5cm around the base of the dock for air intake. It is important nothing is blocking the meshed panels as this will affect the performance of Dome.





WARNING

When placing your oven it is important to maintain proper clearances from combustible construction. Ensure Dome has 30cm clearance (back and sides) and 100cm clearance (front) from any combustible construction.

Under no circumstances is the oven to be placed under or on top of any combustible structure. Always keep the area around the oven clear of any combustible materials, gasoline and other flammable vapours and liquids. We recommend the height of the floor to be around the level of the bottom of the users elbow (usually around 120cm from the ground)

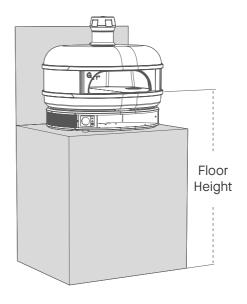
Ensure the surface the oven is being placed on is completely level, stable and capable of easily holding the weight of the oven - 60kg.

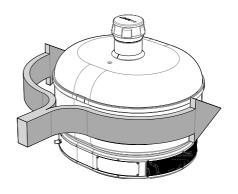


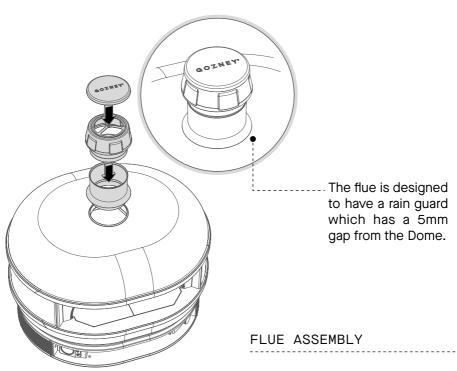
WARNING

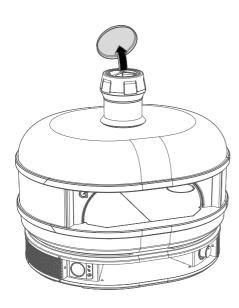
Never operate the oven in high winds or if the wind is blowing into the oven mouth.

Wind should be taken into consideration when choosing a location. The oven should be orientated so that the mouth is facing away from the wind. Avoid using the oven in windy conditions, it is important to have wind breaks situated around the oven to stop the wind from blowing the flame down into the dock. If you see fire coming from the dock. Turn the oven off from either the gas bottle or control knob. Never operate the oven in high winds.

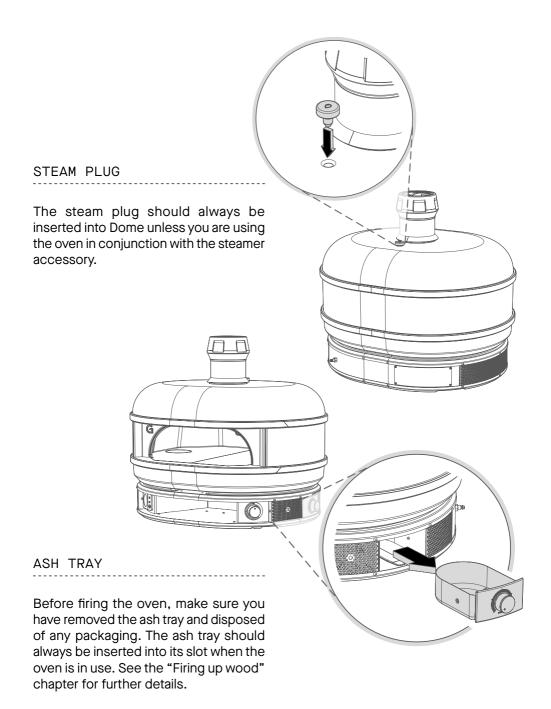








The rain cap prevents moisture from getting into the oven and should only be used when the oven is cooled and not in use. Ensure rain cap is removed before using appliance.



Gas bottle setup



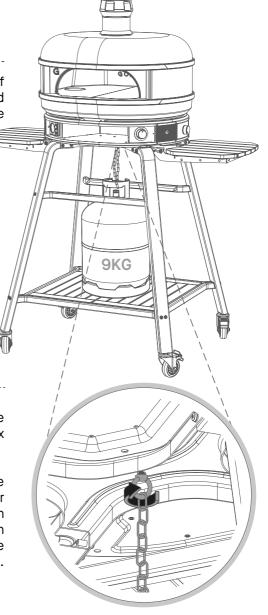
WARNING

It is important for the safe usage of Dome that the gas bottle is secured to the oven as specified in the instructions below.

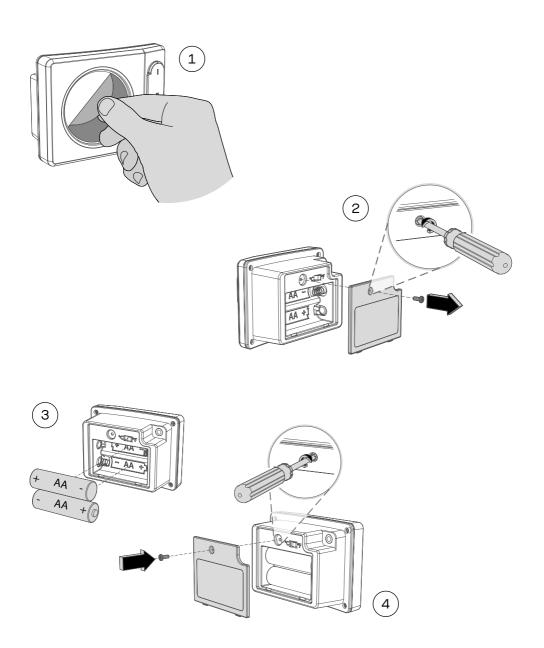
ULPG BOTTLE SETUP

Remove F003 and replace with the eye bolt and chain that is in the box with the gas regulator.

Thread the chain through the handle of the gas bottle and clip it to either the eye bolt or the chain depending on the size of the bottle used. The chain needs to be taught to prevent the bottle from moving when on the stand.



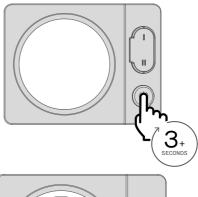
Digital Temperature Display

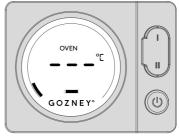


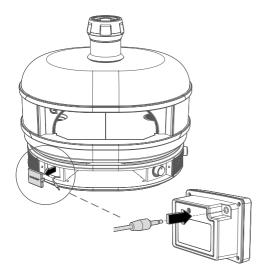
SET UP

After installing the batteries hold the power button down until the display turns on. Find the sensors jack by removing the plastic cap and plug it into the rear of the display, the screen will then show the temperature from within the oven.

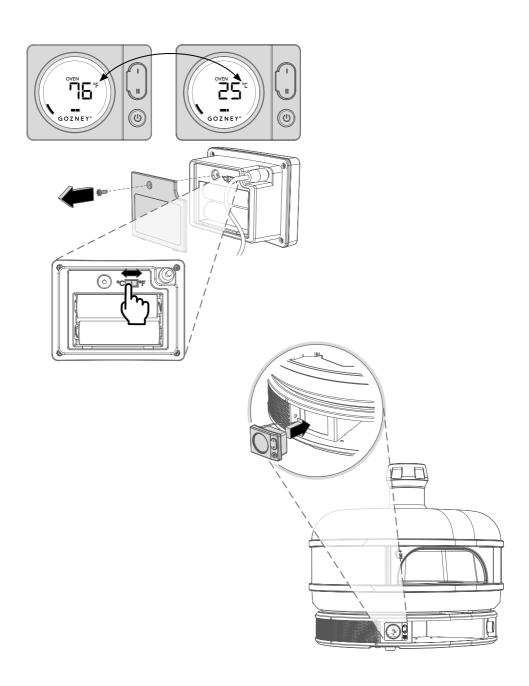
The Digital Temperature Display is held in place by magnets.

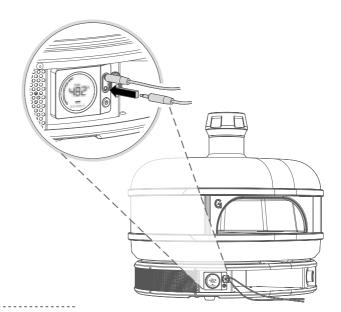






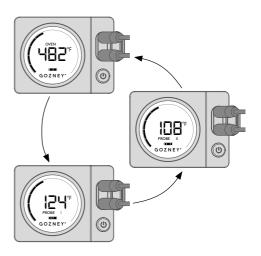






USING THE PROBES

When the temperature probes are connected to the screen, the display will automatically begin to cycle through the temperatures of the oven and the two probes.



Digital Temperature Display Troubleshooting



E1 ERROR CODE

If the thermometer is displaying an error code E1. This is caused by either:

- 1) A loose connection where the jack plug connects to the thermometer. Please ensure the jack plug is pushed fully in to the socket on the back of the thermometer.
- 2) Loose connection at the terminal. Please refer to maintenance instructions at the end of the manual.
- 3) Damage to the probe. The probe may need replacing. Please refer to maintenance instructions at the end of the manual.



E2 ERROR CODE

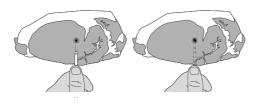
If the thermometer is displaying an error code E2. This is caused by either:

- 1) A loose connection where the jack plug connects to the thermometer. Please ensure the jack plug is pushed fully in to the socket on the unit.
- 2) Damage to the cable. Visual inspect for kinks or chafe.
- 3) Water ingress on the cable can short the signal. Ensure the cable is dry.

Probes Guidelines



When using a meat probe the aim is to get the sensor to the coldest part of the meat to ensure the meat is cooked through.



The coldest section of the meat will be in the centre of the thickest part. Placing the probe on top of the meat and using your thumb as a depth guide is the best way to ensure the probe is positioned correctly.

For accurate readings the probe must be distanced from any bone, fat or gristle.

PROBES CARE & USAGE

Before the first use and after subsequent uses, clean the probes with hot soapy water and dry thoroughly. Avoid immersing the probes in water whilst cleaning. The probes are not dishwasher safe.

To prolong the life of the probes always store them indoors in between uses and ensure the silicone plugs are firmly pressed into the jack openings on the thermometer.

Keep the probes and their leads away from the flames. Direct contact with fire will damage the device.

FDA Safe Minimum Internal Temperatures

(as measured with a food thermometer)

FOOD	TYPE	INTERNAL TEMP.
Ground Meat	Beef, Pork, Veal, Lamb	75°C (160°F)
	Turkey, Chicken	75°C (165°F)
Fresh Meat	Beef*, Veal*, Lamb*, Pork*	63°C (145°F)
	Poultry	75°C (165°F)
	Fish with fins	63°C (145°F)

^{*} Minimum rest time of 3 minutes

Your guide to burning gas.



Firing Up Gas

Connecting to Gas

Check that the gas you are using is specified on the data plate page.

The gas cylinder used must have a safety collar to protect the valve assembly. Do not use a cylinder that is rusty, dented or has a damaged valve.

We recommend using 9kg gas bottle in conjunction with Dome.

Connect the regulator to the gas cylinder, following the instructions for your regulator accordingly. Do not force the regulator as this could damage the gas bottle.



WARNING: If at any point you smell gas: Shut off the gas from the cylinder, turn off the switch on Dome and extinguish any open flames.

If odour continues, move away from the Dome and gas supply then contact your gas supplier or fire service.

Ensure that the LPG cylinder or regulator valve is closed.

Do not store a spare LPG cylinder under or near this appliance.

Gas Safety

Prior to use, check the oven, burner and venturi for blockages (e.g. food residue or insect nests - Wasps, Bees or Ants.) If an insect nest is found they can be dangerous and must be cleaned out thoroughly. Please refer to the cleaning and maintenance section for guidance.

Should the appliance extinguish for any reason, turn off the control knob and the cylinder gas valve. Wait 5 minutes before attempting to relight the appliance.

Some foods produce flammable fats and juices. Therefore the Dome oven should be attended at all times whilst being used. Damage caused by fat and grease fires is not covered by warranty. If a grease or fat fire should occur, immediately turn off burner knob and the gas cylinder valve until the fire is out. Remove all food from the appliance.

A leak test must be carried out prior to using the appliance for the first time and whenever the gas cylinder is refilled or whenever the gas hose and regulator have been disconnected from the gas cylinder or appliance.

Remove all packaging before attempting to light the gas burner.

Please take a moment to review all of the safety requirements before operating the appliance when using gas.

A

Remove the cap from the gas inlet before connecting the hose. Make sure it is free of damage and debris.

A

Do not disconnect any gas fittings while the appliance is operating.

A

Check all gas hose lines and connections for cuts, cracks and other damage before each use. If there is excessive abrasion or wear it must be replaced with a Gozney approved hose assembly before use.

A

Gas cylinders must not be stored in enclosed areas.

A

Keep the fuel supply hose away from heated surfaces or direct sunlight.

A

Do not use any additional flammable substance whilst operating with gas.

A

Do not touch! The Dome can get extremely hot when in operation. Be sure to wear protective gloves when operating the oven. Young children should be kept away.

A

Keep the cylinder outdoors in its upright position.

A

Do not connect multiple gas cylinders to Dome or store a spare within the same vicinity.

A

Never use a naked flame to check for gas leaks.

A

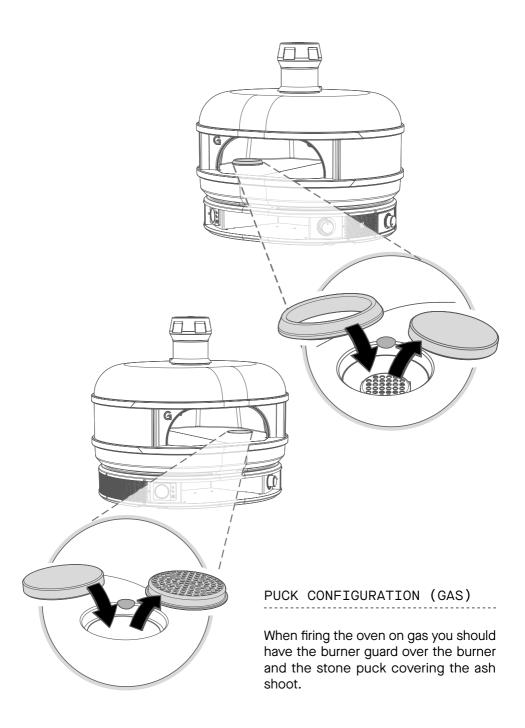
Use only hose and regulator supplied with appliance.

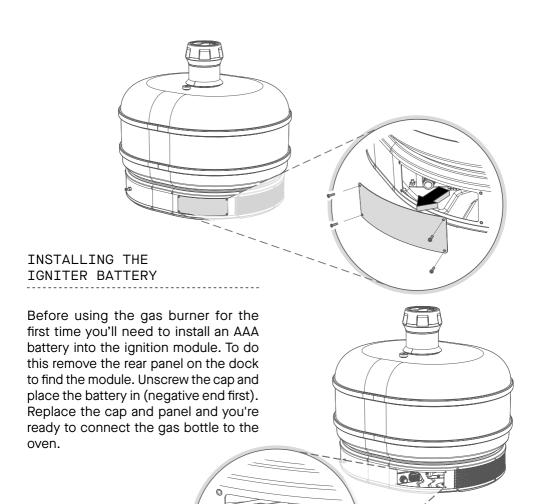
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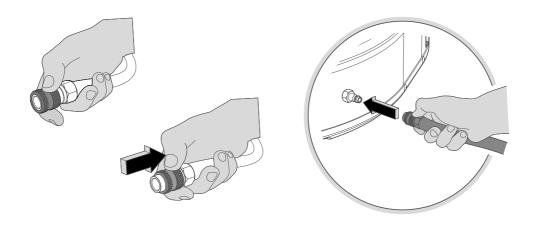
National requirements state how often to replace the hose. Please review this for your area.

A

Make sure the flexible tube is not twisting when the appliance is in operation.

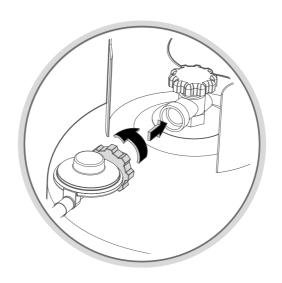


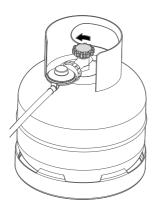




CONNECTING THE GAS HOSE

To attach the quick connection gas hose to your Dome pull the collar back on the connector and place the hose onto the gas inlet. When you release the collar it should return to its original position freely. This connection must be tested for leaks before using the oven.

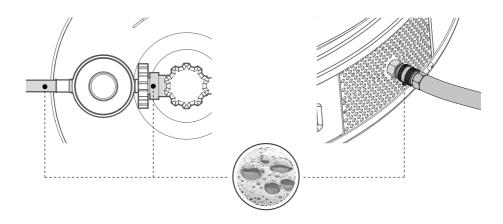




ANTICLOCKWISE REGULATOR

Ensure the gas bottle is turned off. Align the regulator and the gas bottle threads and carefully begin to tighten ensuring the threads aren't crossed. Continue to tighten until a tight fit has been made. This connection must be tested for leaks before using the oven.

Testing For Leaks





WARNING

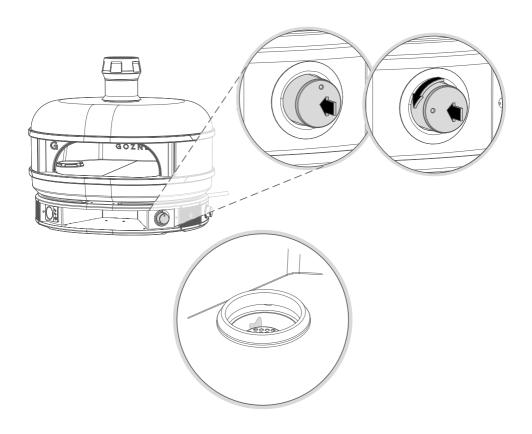
You should always check for gas leaks every time you disconnect and reconnect a gas fitting. Never ignite burners when leak checking.

To test for gas leaks, apply a mixture of soapy water with a brush to the high-lighted areas and any cracks along the hose. If a leak is present the solution will bubble.

If there is a leak at the hose to oven connection, re-tighten the fitting with a spanner and check for leaks by applying a soap-and-water solution to the highlighted areas with a brush. If a leak persists turn off the gas and DO NOT OPERATE THE OVEN.

If there is a leak at the valve connection, remove LPG cylinder. Do not operate oven. Use a different LPG cylinder and recheck for leaks with the soap-and-water solution.

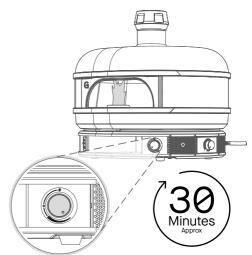
Pilot Light Ignition

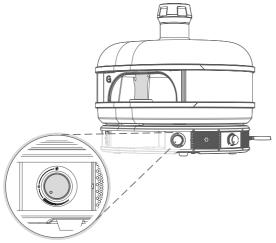


To ignite the pilot light press the control knob in until you hear a constant clicking sound. Then, still pressing, turn the knob 90° and hold it there until the pilot light is lit. You may not be able to see the naked flame but there should be clear reflections of it on the internal sides of the oven.

First Firing

Only when you have a pilot light, turn the control dial anti-clockwise and the burner should light. On your first firing we highly recommend to put the burner on a medium to low flame for 30 minutes to help cure the oven before moving to a high flame.



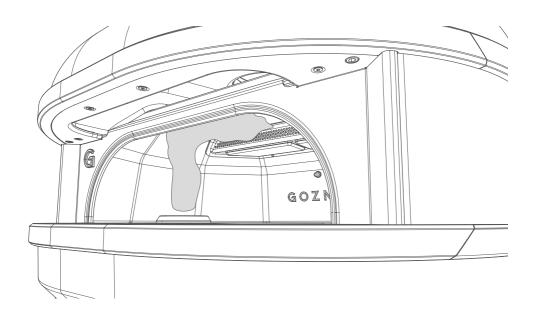


On subsequent firings after curing, you can bring the oven up to the desired temperature from ignition. If the oven has been dormant for an extended period, you should cure the oven again as if it was a first firing.



Gas Flame

The flame should be yellow in colour and roll along the top of the oven.

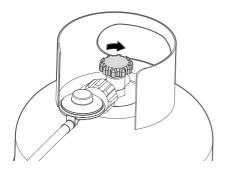


Troubleshooting Gas Burner

Problem Observed	Possible Reasons	Solution
Flame looks too small	 Gas cylinder is near empty Ambient temperature is below 0°C Blocked burner 	 Try replacing the gas cylinder if it is empty. If the ambient temperature is below 0°C it is to be expected that a loss of power from the gas cylinder will occur. The burner could be blocked, please refer to cleaning instructions available in this manual.
Failure to ignite	Ignition battery is empty Blocked burner Gas cylinder is empty	 If firing for the first time or replacing a gas bottle the burner can take up to 30 seconds for the gas to flow through the system. Keep the control knob on until the pilot light has ignited. If the control knob is not making a clicking sound when pushed in try replacing the battery at the back of the unit. Review the maintenance section within the manual for help and guidance on this.
Noisy Flame	Incorrect ignition Blocked Burner	If the burner is making a loud rawring sound first turn the burner down to low flame and then back to high. If the sound continues turn the burner off for 5 minutes and retry ignititing it. If the problem persists still review the cleaning and maintenance instructions to remove debris in the burner.

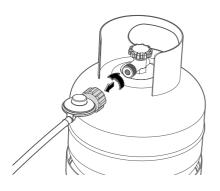
If the problem persists after trying the following solutions please contact Gozney for further support.

Disconnecting Gas

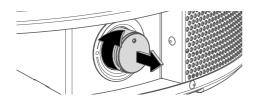






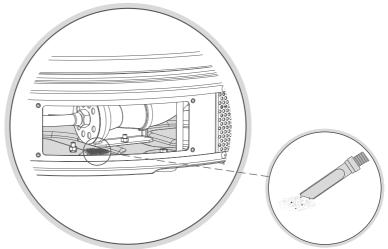


After cooking, be sure to turn off the gas from the gas cylinder first before turning of the Dome. This will allow any gas left in the burner or pipe to be used up safely. Three minutes after turning the gas off it will be safe to remove the regulator and turn the control dial back to the off position.



CLEANING THE VENTURI If your burner's flame is overly yellow or making more noise than usual you

If your burner's flame is overly yellow or making more noise than usual you may have debris blocking the venturi. When the oven is turned off and cool, remove the maintenance hatch and use a vacuum cleaner with a long plastic nose to remove any debris. It's good practice to check the inside of the dock for debris regularly.



This section details safety considerations and how to get the most from your oven when firing on wood.



Firing Up Wood

First Firing

INTRODUCTION

When firing the oven for the first time, it is important to slowly bring the oven up to temperature. This will help prevent thermal shock to the stone floor.

WOOD SAFETY

Do not use spirit or petrol for lighting or re-lighting! Use only fire-lighters.

Do not use treated or painted wood.

Do not use soft woods (pine and sappy woods) or freshly cut wood.

A

WARNING: Before lighting the oven, ensure you have adhered to the extraction specified in this manual. If you are unsure, do not use the oven.

A

Never use flammable liquids including, but not limited to, barbecue lighting fluid, petrol or lighter fluids to start or boost a fire in this oven. Keep all such liquids well away from the oven while it is in use. Never use unapproved fuel in your oven.

A

Do not throw wood against the back or side walls of the oven, this may void the warranty.

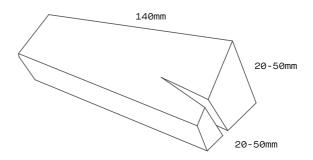
Δ

WARNING: Do not pour or spray liquids onto the oven floor or into the oven interior as this can damage the oven and could void warranty.

A

CAUTION: Dispose of ashes in a safe manner, beware of hot embers even after the oven has cooled.

Wood To Use



Wood is the most important factor when firing the oven on wood. It will determine the level of performance you will get from the oven.

SIZE

Smaller is better, we recommend using small pieces of kindling at 140mm by 20 - 50mm by 20 - 50mm.

MOISTURE CONTENT

16% is the optimum moisture level for your wood, but anywhere between 10-20% is good.

TYPES OF WOOD

Kiln dried hard woods are best as they are dense and have a lot of energy to burn and will produce more heat than soft woods. Avoid using sappy woods and soft woods like pine as they tend to produce creosote which can build up in your burner and oven.

WOODS TO USE

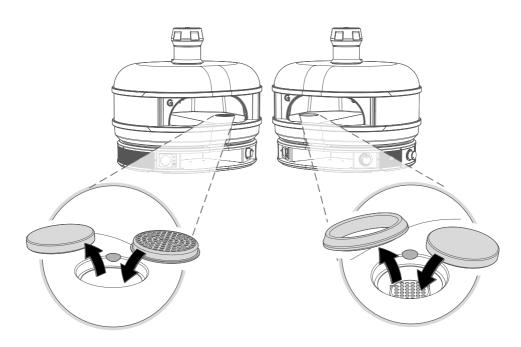
- Mountain Ash
- Jarrah
- Box
- Beech
- Vic
- Fruit trees (apple, pear etc)

WOODS NOT TO USE

- Pine
- Mango
- Cedar
- Redwood
- Spruce
- Fatwood
- Processed woods e.g: painted or stained wood
- Sappy wood

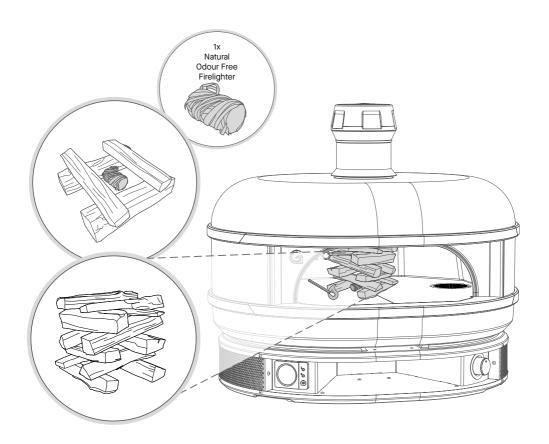
Wood Fire Set Up

When firing the oven on wood you should have the stone puck covering the burner hole and the mesh puck over the ash shoot.

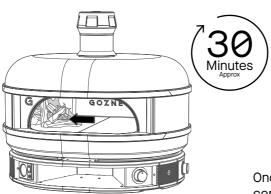


Fire Starting

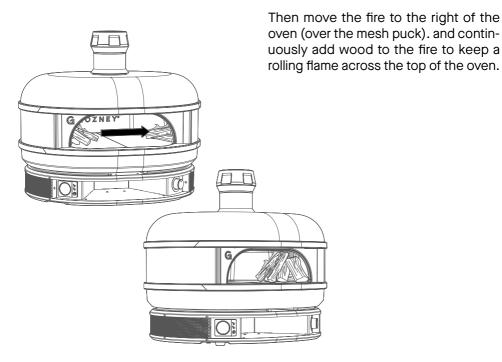
On first fire up follow the below procedure but ensure the fire kept at a moderate level for 30-60 mins.



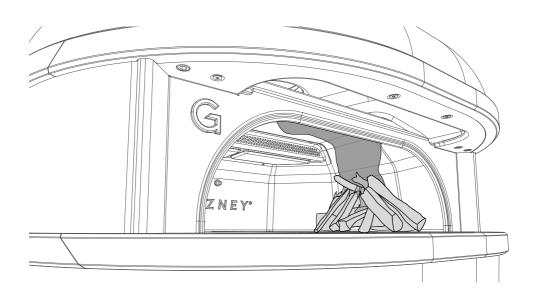
Moving The Fire



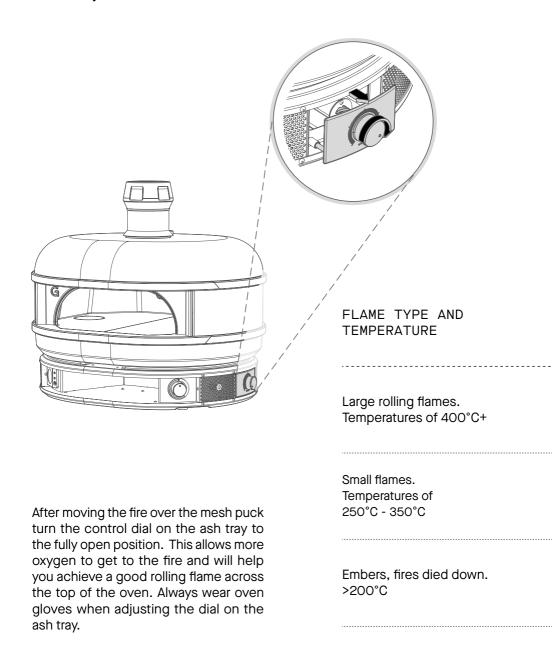
Once the fire has established itself in the centre of the oven push it over to the left and continue to feed it for approximately 30 minutes or until the oven is fully saturated.



The flame from the wood fire should roll across the length of the oven's roof. Avoid overfeeding the fire, there should never be flames coming out the mouth of the oven. If you are struggling to get a good flame, ensure the wood you are using follows our guidelines at the beginning of this chapter.



Ash Tray



Allow the fire to die down until there are no naked flames and only embers remain.

For the best results and ease of cooking, be sure to use kiln dried wood with a moisture content of 20% or less.

Standard logs (including kiln dried) should not be stored in a commercial kitchen. Only solid fuels that have been HACCP certified (Hazard Analysis and Critical Control Point) are permitted to be stored in commercial kitchen locations. Please contact Gozney Ovens for more information on HACCP certified fuels.

RECIPE EXAMPLES WOOD SIZE AND TYPE

Fast cook times such as Neapolitan pizza.

Lots of small piece of kiln dried hard wood kindling. (25 - 50mm)

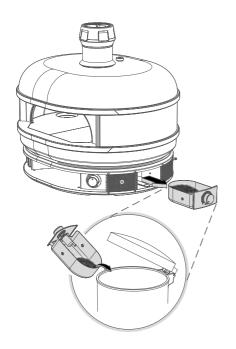
Finishing meats, charring vegetables or small items in a cast iron dishes such as lasagna.

Large pieces of kiln dried hard wood. (50 - 100mm)

Slow roasting meats or vegetables. Baking breads.

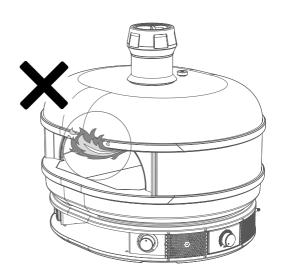
Fire left to die down after the oven has been saturated.





ASH DISPOSAL

Ensure you wait until the oven is cool before attempting to remove the ash. Don't dispose of ash near or into anything flammable.



FUEL OVERLOADING

Overloading is dangerous and can cause excess smoke and flame. There should never be flames coming out the mouth of the oven, if this happens step away from the oven and wait for the fire to die down.

REFUELING ONTO A LOW FIRE BED

If there is insufficient burning material in the fire bed to light a new fuel charge, excessive smoke emission can occur. Refueling must be carried out onto a sufficient quantity of glowing embers and ash that the new fuel charge will ignite in a reasonable period. If there are too few embers in the fire bed, add suitable kindling to prevent excessive smoke.

CLEANING THE OVEN

The oven floor should reach temperatures of 343°C to start "self-cleaning". To do this raise the temperature of the oven to above 343°C for a period of four hours.

ASH DISPOSAL

After 24 hours ashes can still be hot. When removing ash from your oven, a non-combustible tool must be used at all times.

- Ash should be placed in a metal container, with tight fitting lid and removed using a non-combustible ash shovel.
- The closed container of ashes should be placed in a safe place until thoroughly cooled.

Your guide to general maintenance.

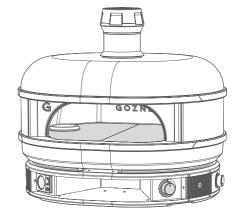


Maintenance Genera

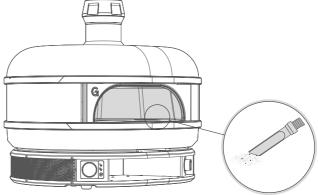
Cleaning The Oven

INTERNAL

The best way to clean the inside of the Dome is to burn off any food debris or soot that is left behind. When the oven is over 343°C it will start self cleaning and any burnt on food will burn off after a period of four hours.



If there is any soot or debris left, wait for the oven to cool down and use a soft brush to dislodge, being careful not to apply too much pressure and damage the oven. Use a vacuum cleaner with a plastic attachment to remove the loose debris from the oven.



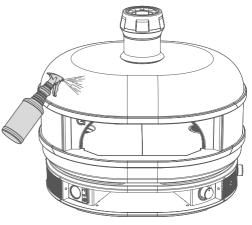
EXTERNAL

For the exterior of the oven use a non caustic bleach free cleaning spray on the dirty areas. Clean the area with warm soapy water and a sponge or non abrasive dish cloth and then wipe clean with paper towels.

Avoid spraying directly onto the thermometer, control dial or meshed areas on the base of the oven.

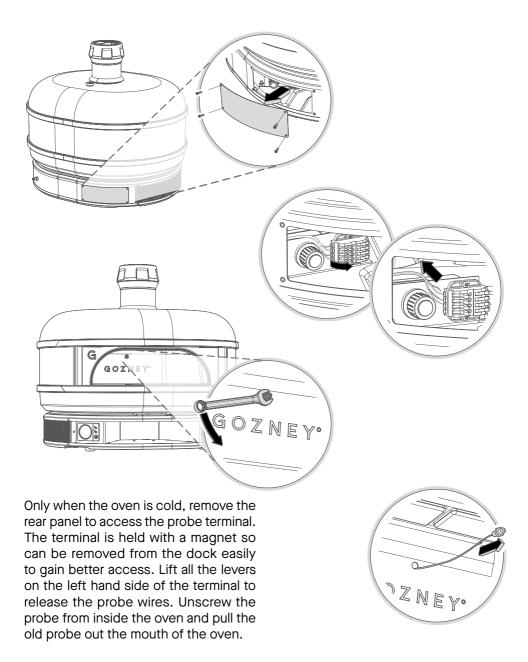
When the oven isn't in use it should be kept under cover away from rain. If you are placing a cover directly on Dome, ensure it's completely cooled down before covering.

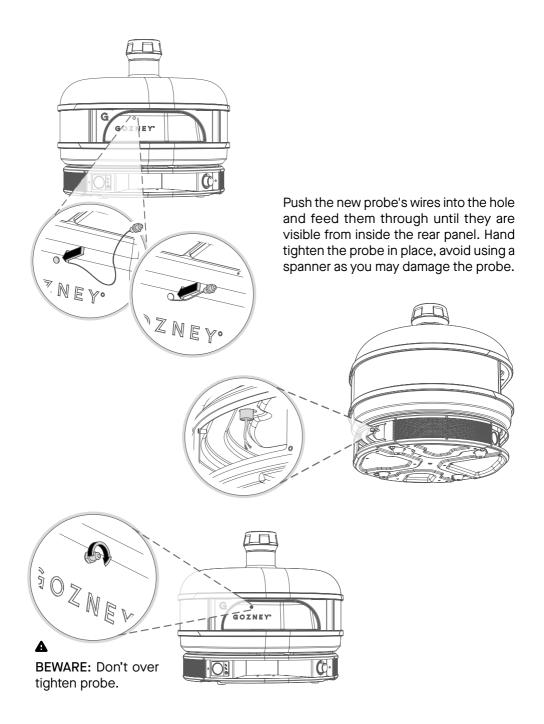
When using the oven after a long spell of no use, we recommend firing the oven as if it is a first firing.





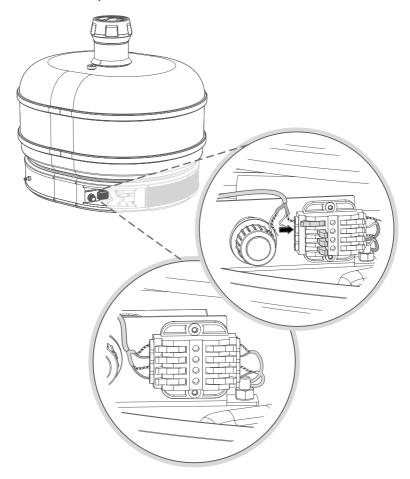
Replacing The Probe

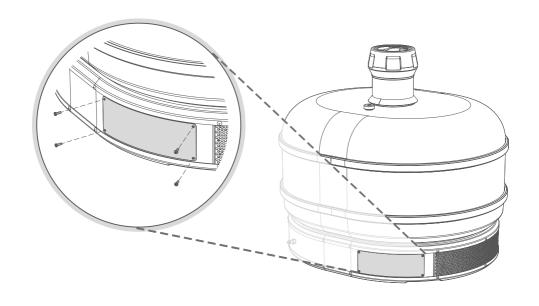




To wire the new probe, lift all the levers on the left hand side up and insert the wire into the holes on the side of the junction. The pattern/colour of the wire should match the corresponding wire on the opposite side of the junction.

When the wire is fully inserted, push the lever back to its original position to clamp the wire in place. Ensure the wire is fully clamped in place before moving onto the next wire. Then reinsert the terminal into the dock and ensure the magnet engages with the metal plate.





Double check the probe is functioning by checking the digital temperature display and return the panel to the back of the oven.

