



USER'S MANUAL

GaLiO Fire Pit Insert #2

G20/G25 (Natural Gas) G30/G31 (Propane-Butane/Propane)



**Manufactured by
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IT IS OBLIGATORY TO READ AND KEEP THIS INSTRUCTION MANUAL.

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1. INTRODUCTION

The GaLiO Fire Pit Insert fireplace is a decorative fuel-effect gas appliances intended only for outdoor use. It is obligatory to acquaint oneself with the below installation manual and user's manual before committing to the installation and use of the GaLiO Fire Pit Insert fireplace. This manual is to be kept safe for the lifetime of the device.

2. SAFETY INSTRUCTION

- Read the instruction before using the device.
- Use only outdoors.
- The GaLiO Fire Pit Insert is not a free-standing device and is destined to be housed.
- The montage of the device must take into account its trouble-free removal in case of service.
- Do not start up the device before it's placed safely into the prepared housing..
- The GaLiO Fire Pit Insert fireplace should be installed and controlled annually according to the below installation manual as well as enforced national and local laws regarding gas safety (installation and use).
- One needs to assess whether the data on the product plaque complies with the local type of gas and pressure.
- Do not change the structure of the device or its sealed elements nor modify the default settings of the GaLiO Fire Pit Insert fireplace.
- Do not set any additional imitation blocks nor any glowing coal fragments on the burner or in the combustion chamber.
- A ventilation grid or slot with a ventilation area of 150cm² is required at the base of the housing. A device without the grid or slot for ventilation will function incorrectly causing a threat of damaging the unit or causing a fire.
- A CO₂ or a powder fire extinguisher needs to be placed near the device.
- During the first ignition the GaLiO Fire Pit Insert fireplace needs to be burnt on maximum level for a few hours in order for the elements to acquire correct temperature and for the remains of paint, lacquer and lubricant to evaporate.
- Do not move the device while it's working.
- The GaLiO Fire Pit Insert fireplace was designed for decorative purposes. The surface of the GaLiO Fire Pit Insert fireplace (including the optional glass screens) may get hot (up to 100 degrees Celsius). **WARNING!:** parts of the device that are easy to reach may be very hot. Keep children away from the device.
- Some variants of housing for the device may require installing additional toughened glass screens (provided separately).
- Install the fireplace away from flammable materials.
- When the GaLiO Fire Pit Insert fireplace is on it's not to be exposed to rain.
- When not being used the GaLiO Fire Pit Insert is to be protected from atmospheric conditions and the main valve of the gas cylinder needs to be turned off.
- All parts of the GaLiO Fire Pit Insert fireplace are made of stain resistant material.
- Never leave a turned on GaLiO Fire Pit Insert without supervision.
- The GaLiO Fire Pit Insert fireplace needs to be installed in a place inaccessible for children, unauthorized persons or animals for the direct contact with the flame or hot parts of the device to be impossible.
- In case of heavy wind the GaLiO Fire Pit Insert fireplace needs to be immediately turned off and one needs to wait until the heavy wind passes.
- In case of noticing any sort of gas leaks the fireplace as well as the main valve of the gas cylinder need to be turned off.
- After use turn off the gas cylinder valve.

2.1 Safety instruction regarding the use of the gas cylinder

- Use only the type of gas and pressure specified by the manufacturer.
- The gas cylinders should always be placed in a vertical position – during use and transport.
- Always store the gas cylinder in an easily accessible place to allow its immediate turn-off.
- During the installation process do not allow an open flame or any ignited object to reach the gas cylinder.
- The gas cylinder should be in a distance not shorter than 1,5 metres away from the GaLiO Fire Pit Insert fireplace.
- Leaks should be found with the use of a cleaning liquid and water. If bubbles form on the surface that means that there's an existing leak.
- Always use a pressure regulator between the gas cylinder and the device. Replace the pressure regulator every 5 years. The allowed pressures are: 30mbar, 37mbar (recommended), 50 mbar. Use only regulators complying with the European EN16129 Norm.
- Use only approved and certified gas connection linkage. Replace the linkage every 2 years.
- The elastic linkage connecting gas to the fireplace is to be led away from sharp edges and hot surfaces. Refrain from bends and twists of the elastic connection on its full length.
- Remember that the LPG bottle should be stored in a well-ventilated place. LPG gas is heavier than air and its accumulation near the surface may generate an explosive mixture.
- The housing in which the LPG bottle is (optionally) placed needs to have an appropriate ventilation. The housing needs to have an upper ventilation slot above the top of the bottle (of an area min 1/100 of the area of the base of the housing) and a lower ventilation slot (of an area min 1/50 of the area of the base of the housing).
- The gas cylinder needs to be shut if the fireplace is not being used.
- Filling the gas cylinders is to be commissioned to certified gas filling stations.
- Replacement of empty bottles for full ones is to be conducted only in authorised locations.

3. OPERATING INSTRUCTIONS

3.1. General Notes

The GaLiO Fire Pit Insert fireplace is equipped with GV60 gas valve with a built-in ignition for the pilot flame. The flame height of the main burner, as well as Start and Stop of the appliance, is controlled by Wall Switch.

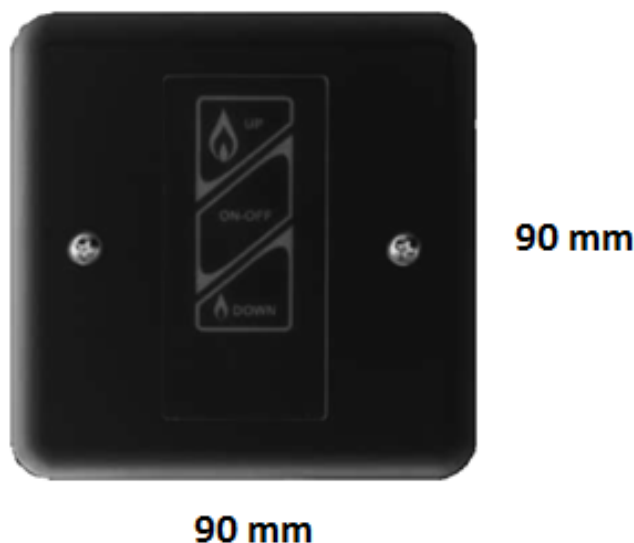


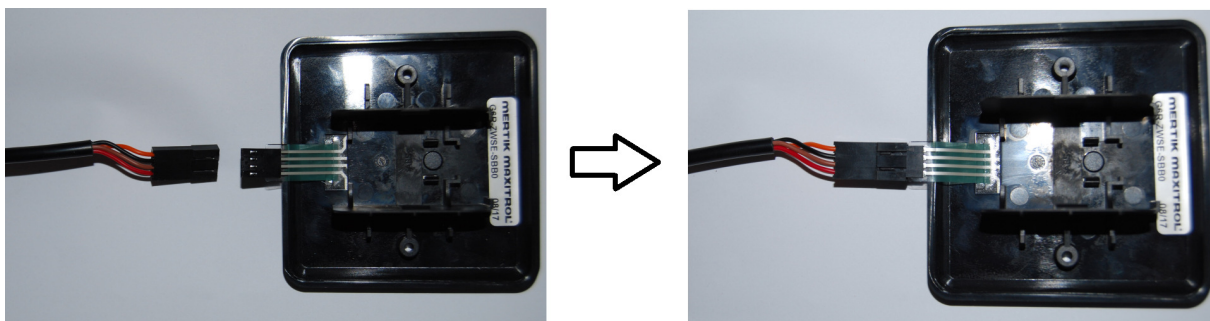
Figure 1: Wall Switch

3.2. Installing the control unit (Wall Switch)

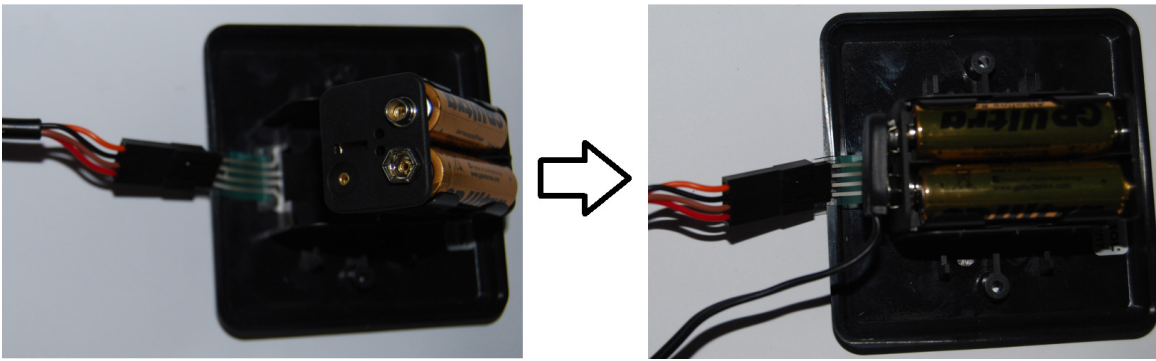
The control unit has standard a cable with a length of 8 meters (connection for battery supply and for the controlling).

NOTE: The cables **may not** be extended. Longer cables can pick up environmental signals that can switch the appliance uncontrolled On or Off.

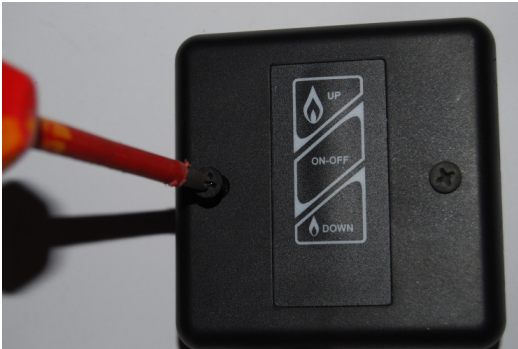
- Determine the location for the control unit (Wall Switch).
- Pull the cables through the opening of **50 x 80 mm** on the surface on which Wall Switch will be mounted.
- Make sure you have ca **12 cm** cable length outside of the opening for replacing the batteries.
- Connect the switch with the cable and insert the plug into the terminal.



- Insert the batteries into the holder and connect the battery holder with the cable.



- Screw the front panel on the surface-mounted socket.



WARNING!!!

- The Wall Switch should be installed in a casing suitable for the way of installation, e.g. in an installation box which is installed on surface or concealed, etc., with a waterproof casing class of no less than IP64.
- We recommend to place the battery holder in the same casing (located on the Wall Switch rear wall bracket) or in a separate casing of the same waterproof class, not less than IP64.

3.3. Replacing the batteries

If the batteries are inserted incorrectly, the electronics or drive may be irreparably damaged. Only replace the batteries when the appliance has been completely switched off.

NOTE: If the appliance is equipped with a 230 VAC connection, no batteries are present in the receiver or in battery box.

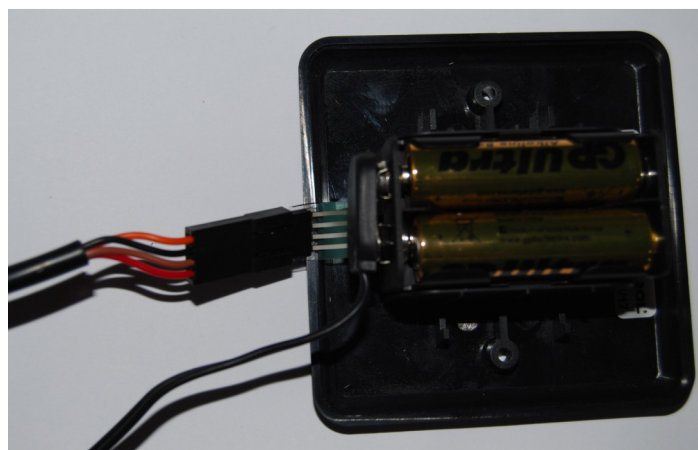
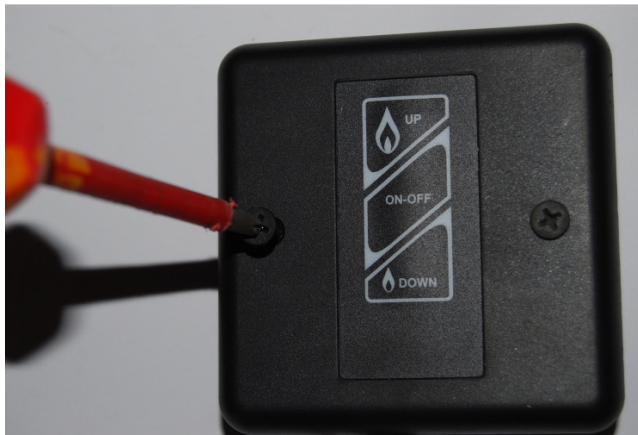
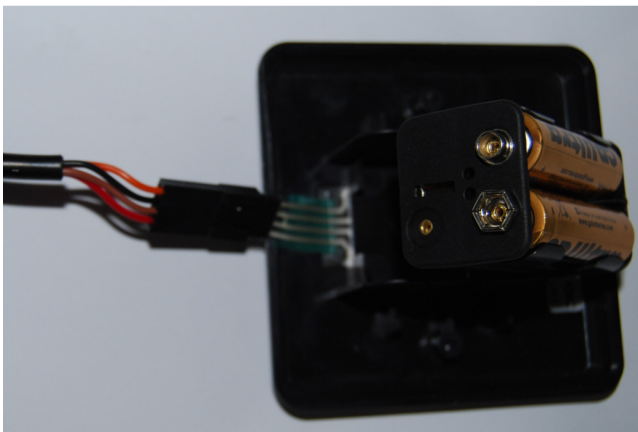


Figure 2: Receiver battery holder

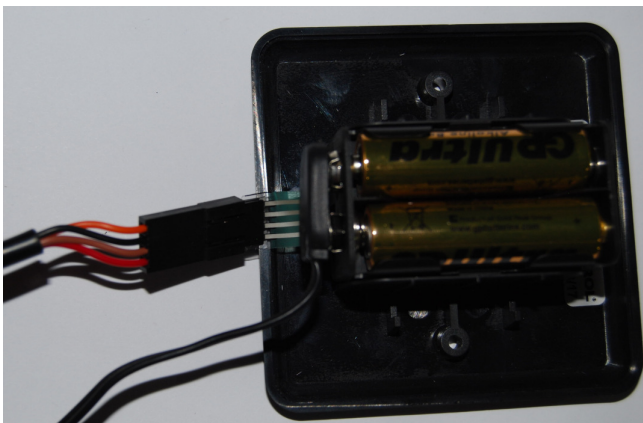
- Unscrew the Wall Switch plate.



- Remove the battery holder.



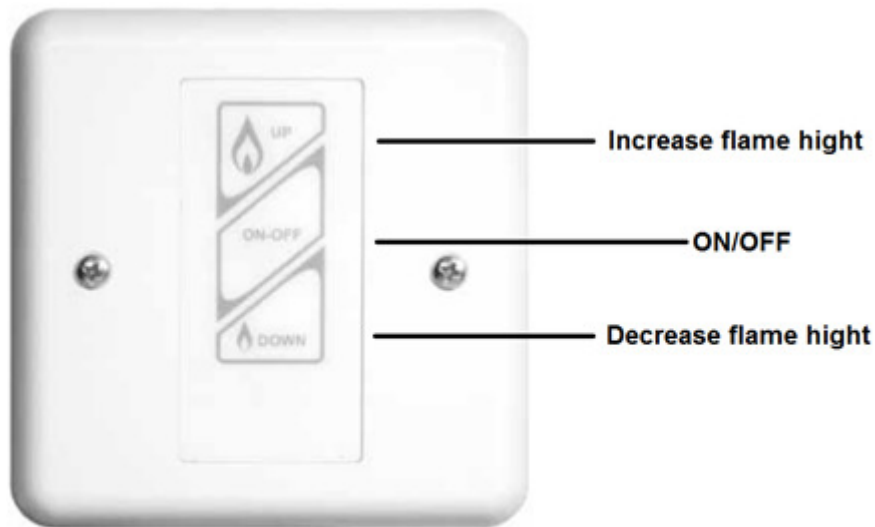
- Replace 4 pieces of AA/LR6 Alkaline long live batteries.
- Replace the battery holder and mount the Wall Switch plate.



- Screw the Wall Switch plate.

3.4. Operating

GaLiO Fire Pit Insert is operated by Wall Switch, which can be placed maximum 8 meters away from the Insert. Additionally behind Wall Switch the battery box can be placed.




Wall Switch

Figure 3: Wall Switch Functions

To Turn ON Appliance

- Press **ON-OFF** button (see Figure 3) until two short beeps confirm the start sequence has begun; release button.
- Once pilot ignition is confirmed, there is main gas flow.



Standby Mode (Pilot Flame)

- Press and hold  (small flame) button to set appliance at pilot flame.

To Turn OFF Appliance

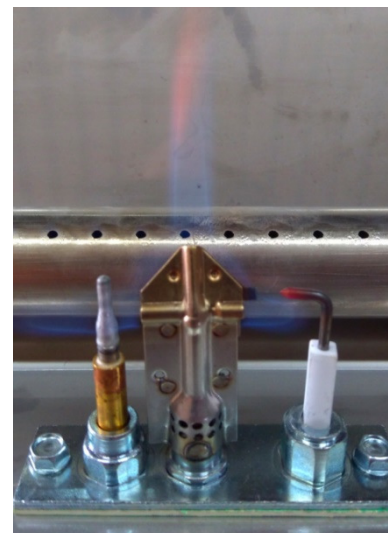
- Press **ON-OFF** button.

Flame Height Adjustment

- Press and hold  (large flame) button to increase flame height.
- Press and hold  (small flame) button to decrease flame height or to set appliance at pilot flame.

WARNING!!!

- Under conditions of increased humidity (rain, breeze, fog, dew, etc.), there may be some temporary problems with switching on the fireplace. This is a normal phenomenon associated with the dampening of the ignition element.
- Before switching on the fireplace, wait until the ignition element has dried completely.
- You can speed up this process by blowing the pilot flame with compressed air to remove the accumulated moisture. The properly fired pilot flame consist of 3 smaller parts.



3.4.1. Automatic Turn Down To Pilot

Receiver Overheating

- Powered by mains adapter: The valve turns to pilot flame if the receiver temperature is higher than 176 °F (80 °C). If batteries are installed in the receiver in this configuration the temperature must not exceed 60 °C.
- Powered by batteries and/or connected to the V module: The valve turns to pilot position if the temperature in the receiver is higher than 140 °F (60 °C).

NOTE: When the receiver temperature is below 140 °F (60 °C), the main burner can be turned ON manually.

3.4.2. Automatic Shut Off

Low Battery Receiver

With low battery power in the receiver the system shuts off the fire completely. This will not happen if the power supply is interrupted.

On-Demand Pilot

- This green feature eliminates gas energy consumption during extended appliance inactivity. When the appliance is inactive for an extended period of time the system automatically extinguishes the pilot. This feature helps the consumer realize cost benefits by automatically eliminating energy consumption during non-heating months and limited use.
- The programmed length of inactivity to activate the system is specified by the appliance manufacturer and cannot be altered in the field.

4. TESTING

WARNING!!! NEVER TURN ON THE DEVICE IF THE CHARACTERISTIC SMELL OF GAS IS PERCEPTIBLE.

If you smell gas during the operation of the fireplace turn off the device immediately and cut off the gas supply from the gas cylinder by shutting its valve.

4.1. Checking for gas leaks

- Check if all connections are airtight.
- To do that apply all connections with soapy water (or water with another foamy substance) or with a professional spray for leak detection.
- If air-bubbles are present that means the connection has a leak.
- Remove the leaks in the identified spaces.
- Check for leaks once again.
- After the inspection dry the inspected connections.
- The device may only be used again after all leaks are removed.
- **If the problem happens again please contact the dealer.**

4.2. Checking the flame appearance

- Burn the GaLiO Fire Pit Insert on max flame height and check the appearance of the flame.
- The flame should be linear and evenly placed on the whole length of the main burner.
- If visible gaps are present or there are substantial differences in flame height turn off the fireplace and after the device is cooled adjust the placement of decorative stones in such a way for them to be evenly placed on the whole surface of the main burner.
- **WARNING!!!** Remember not to cover the cover, which houses the ignition and the pilot flame, with stones!
- Turn on the fireplace and check the appearance of the flame once again.

5. MAINTENANCE AND UPKEEP

We recommend cleaning the pilot flame and the main burner unit before the device is started again after its been removed from storage during the winter period.

5.1. Testing and cleaning

Please check and clean if necessary:

- The main burner - if necessary, remove broken parts of stones and the existing dust.
- Pilot burner and thermo-couple (if necessary, remove the existing sediment). In the event of visible damage contact your dealer.
- Igniter - gap between igniter and pilot flame should not be bigger than 5 mm.
- Glass screens – check for dirt smudges or possible scratches or cracks. If cracks are present replace the glass screen for a new one. To conduct this contact your dealer.
- Gas linkage and pressure regulator (in case their expiry date is invalid replace these ancillaries for new ones).
- If you encountered problems with the regulator, gas linkage, burner or regulation valves do not try to fix these parts. Contact a sales person, an authorised service or an importer in order to acquire spare parts. To ensure the device is working efficiently use only original spare parts.

5.2. Glass cleaning (if optionally installed)

Most of the existing types of smudges may be wiped with a dry cloth. In case of more substantial smudge you may use liquids normally applied to ceramic tiles or windows. Always dry the glass screen to avoid damp patches which could irreversibly embed into the glass.

Warning!!! Avoid leaving fingerprints on the glass. They will be embedded into the glass and you will not be able to clean them.

6. TROUBLESHOOTING

Warning! Montage, upkeep and service need to be conducted by a qualified professional with appropriate qualification, an appropriate company or the gas supplier.

PROBLEM	POSSIBLE CAUSE	CORRECTIVE ACTION
SMELL OF GAS	CLOSE THE VALVE ON THE GAS CYLINDER IMMEDIATELY. DO NOT USE THE DEVICE UNTIL LEAKS HAVE BEEN REMOVED.	
Leak detected at cylinder, regulator or other connection.	<ol style="list-style-type: none"> 1. A loose regulator linkage. 2. Leak in the gas linkage, in the regulator or on the gas knobs. 	<ol style="list-style-type: none"> 1. Tighten and test it. 2. Report this issue to service.
Burner does not ignite	<ol style="list-style-type: none"> 1. The bottle is empty. 2. Igniter linkage is not connected. 3. No ignition spark. 4. The igniter electrode is placed incorrectly opposite the igniter. 5. Gas nozzles are blocked. 6. Gas linkage is twisted. 7. Pressure regulator link is loose. 	<ol style="list-style-type: none"> 1. Replace Gas Cylinder. 2. Connect the igniter linkage. 3. Replace igniter. 4. Realign electrode and clear any surrounding debris from area. 5. Unmount burner, clean the nozzle. 6. Straighten the linkage. Keep the linkage away from the housing. 7. Tighten the link. Check for leaks.
Igniter Not Working	<ol style="list-style-type: none"> 1. Igniter wire not connected. 2. Electrode misaligned on pilot burner 3. Igniter malfunction 	<ol style="list-style-type: none"> 1. Ensure pilot electrode wire is connected. 2. Realign electrode and clear any surrounding debris from area. 3. Replace Igniter
Low efficiency, „cracking” sounds	<ol style="list-style-type: none"> 1. The bottle is empty. 2. The nozzles of the burner are blocked. 	<ol style="list-style-type: none"> 1. Replace Gas Cylinder. 2. Unmount the burner, clean the nozzle.
Thumping sounds made by the regulator.	The cylinder valve has opened rapidly.	Unfasten the bottle valve slowly.
A vivid/ bright orange and smoky flame of the burner.	Holes blocked in the apparatus producing the gas and air mixture.	Unmount the burner and clean/ unblock the apparatus' holes.

7. TECHNICAL SPECIFICATION

Gas category		I3B/P(30); I3P(30); I3+(28-30/37)	I3B/P(37); I3P(37);	I3B/P(50); I3P(50);	I2E(20); I2H(20);
Device type		A1 Outdoor	A1 Outdoor	A1 Outdoor	A1 Outdoor
Reference gas		G30/G31	G30/G31	G30/G31	G20
Net input (Hi)	kW	4,4	5,1	5,6	4,7
Input pressure	mbar	30	37	50	20
Gas flow at 15°C and 1013 mbar	m ³ /h	-----	-----	-----	0,5
Gas flow at 15°C and 1013 mbar	kg/h	0,35	0,40	0,44	-----
Burner pressure at max flame height	mbar	22,2	27,0	35,4	11,0
Nozzle of the main burner	mm	1,4	1,4	1,4	1,8
Pilot unit		G30-ZP2M-L	G30-ZP2M-L	G30-ZP2M-L	G30-ZP2M-L
Gas control valve		Mertik GV 60	Mertik GV 60	Mertik GV 60	Mertik GV 60
Gas linkage		Ø9mm	Ø9mm	Ø9mm	External 3/8"

8. MANUFACTURER'S CONTACT DETAILS

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