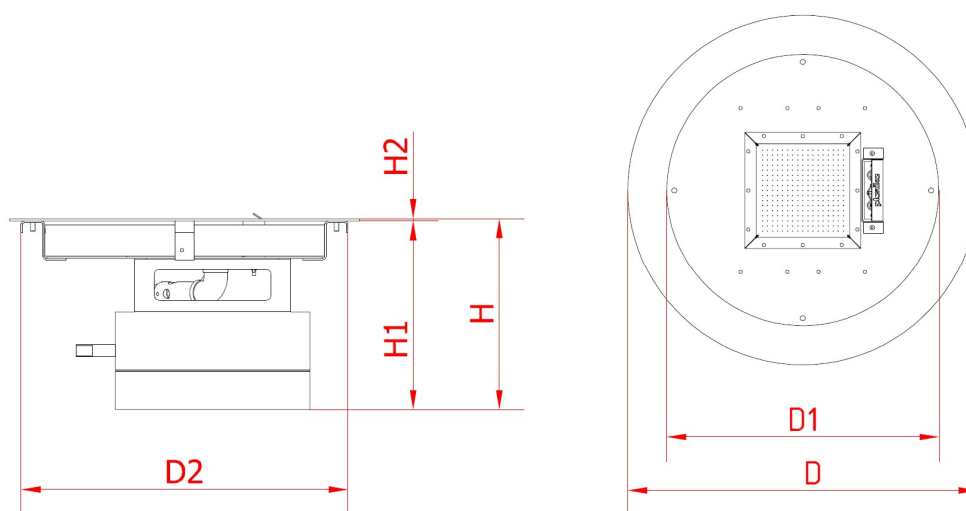


# USER'S and INSTALLATION MANUAL

## GaLiO Fire Pit Insert

**Natural Gas/Propane-Butane/Propane**



	H	H1	H2	D	D1	D2
[mm]	250	247	3	450	350	420

# **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. The Planika company designs and manufactures gas devices that meet the highest standards of quality, and safety. The device meets the essential Gas appliances General requirements of the AS/NZS 5263.0:2017 and AS/NZS 5601. Each gas fireplace produced by Planika is subjected to factory quality control, during which it undergoes rigorous safety tests. Materials of the highest quality used for its production guarantee the user a smooth and reliable functioning of the device.

The device is delivered together with the instruction manual and assembly instructions. The assembly instructions provide the necessary information to install the device in such a way that it works properly and safely. In addition, you can find technical data about the device, information on its maintenance and possible failures that may occur, along with their possible causes and how to resolve them.

**WARNING!** The installer must be a certified and qualified specialist in gas heating and electricity and should have all the qualifications required by local law.

## CE Declaration of conformity

We hereby declare that both the design and construction of a gas heating device manufactured by **Planika Sp. z o.o. (with registered office at Bydgoska 38, 86-061 Brzoza, Poland)** meet the essential requirements contained in the Directive and the Ordinance on gas appliances.

**Product:** Gas device with decorative combustion effect for outdoor use

**Type:** Galio Insert, Galio Corten , Galio Corten Remote, Galio Fire Pit Insert , Galio Fire Pit Insert Remote, Galio Fire Pit Corten , Galio Fire Pit Corten Remote

**Standards:** AS/NZS 5263.0:2017, AS/NZS 5601

The notified body: the IAPMO R&T Oceana (7-11 Fullard Road, NARRE WARREN VIC. 3805 AUSTRALIA) carried out and on 14.11.2019 issued the certificate no. GMK10583 for the above mentioned devices.

The company's quality control system guarantees that the mass-produced devices meet the essential requirements of the applicable Directives and Regulations as well as the standards contained therein. This Declaration is annulled if any modifications are made to the device without the prior written consent of Planika.

Brzoza 14.11.2019



Chairman of the Board

Jarosław Dąbrowski

## INSTALLATION NOTICE

- The installation of this appliance is only to be carried out by an authorized person in accordance with the Manufacturers Instructions, local gas fitting regulations, AS/NZS5601.1-2013 installation code for gas burning appliances and any other relevant statutory regulations.
- In all cases the installation of this appliance shall meet the requirements as set out in AS/NZS5601.1-2013

## IMPORTANT SAFETY NOTICES

- **DO NOT PLACE ARTICLES ON OR AGAINST THIS APPLIANCE.**
- **DO NOT USE OR STORE FLAMMABLE MATERIAL NEAR THE APPLIANCE.**
- **DO NOT SPRAY AEROSOLS IN THE VICINITY OF THIS APPLIANCE WHILST IT IS IN OPERATION.**
- **DO NOT MODIFY THIS APPLIANCE.**
- **THIS APPLIANCE IS DESIGNED TO OPERATE WITH LUMINOUS FLAMES. THIS MAY EXHIBIT SLIGHT CARBON DEPOSITS. THIS IS A NORMAL CONDITION AND IS NOT COVERED BY WARRANTY**

## WARNING

This fireplace has a naked flame, care should be taken when it is operating if children or the infirm are in close proximity. A safety screen is recommended if constant supervision is not possible. It is recommended that a secondary guard complying with AS-NZS2286 be installed.

The appliance is not intended for use 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 concerning use of the appliance by a person responsible for their safety. Children should be supervised to ensure that they do not play with the appliance.

## 2. SAFETY INSTRUCTION

- **Read the instructions before use. Keep the instructions for future reference.**
- For use outdoors only. The use of this appliance in enclosed areas is DANGEROUS and is PROHIBITED
- 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 150cm<sup>2</sup> 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 CO<sub>2</sub> 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.
- Change the gas cylinder in a amply ventilated area, away from any ignition source (candle, cigarettes, other flame producing appliances).
- Do not obstruct the ventilation holes of the cylinder housing.
- In the event of gas leakage, the appliance shall not be used or if alight, the gas supply shall be shut off and the appliance shall be investigated and rectified before it is used again.
- 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.
- Use only approved and certified gas connection linkage. Replace the linkage every 2 years.
- Check the flexible hose at least once per month and each time the cylinder is changed. If it shows signs of cracking, splitting or other deterioration it shall be exchanged for new hose of the same length and of the equivalent quality.
- Do not connect the gas cylinder directly to the appliance without regulator.
- The tubing or the flexible hose must be changed within the prescribed intervals.
- Use only the type of gas and the type of cylinder specified in these instructions
- 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. INSTALLATION

#### 3.1. Box contents

- 1x complete gas fireplace
- 1x Wall Switch
- 1x Remote control (if delivered)
- 4x AA Batteries
- 2x AAA Batteries (if remote delivered)
- 4x bag of decorative stones
- 1x 4 metre rubber gas linkage – installed (only LPG version)
- 1x pressure regulator– installed (only LPG version)
- 1x installation and user's manual

#### 3.2. Unboxing and installation

- The contents of the boxes need to be carefully unwrapped from the foam foil.
- Remove the bags with decorative stones from the burner reservoir and place them away from it.
- Remove the Styrofoam placed on the unit.
- Check the completeness of the elements with the contents list.
- Make sure that the insert nor its elements weren't damaged during the transportation (if they were, notify the supplier).
- Install the GaLiO Fire Pit Insert fireplace in the prepared housing made according to the specification.
- The decorative stones are to be scattered evenly around the reservoir to completely cover the burner of the fireplace.
- **WARNING!!!** The stones may not cover or be placed inside the device protecting the ignition unit. (Photo 1)

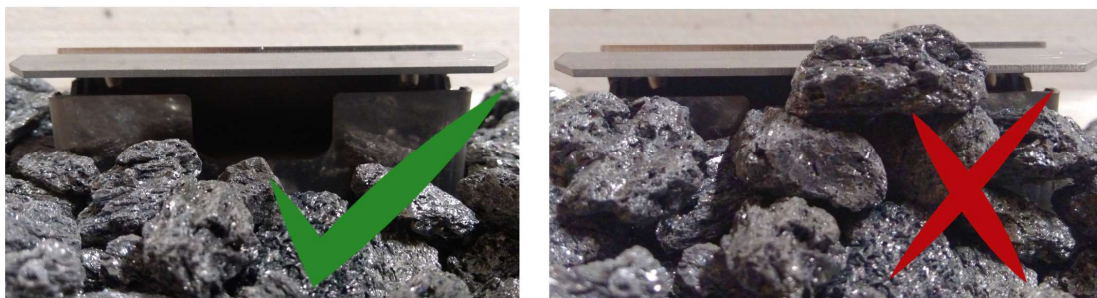


Photo 1

- In the case of GaLiO Fire Pit Insert powered with natural gas, to obtain the optimum image of the flame, cover the burner with a single layer of decorative stones leaving some spaces uncovered of approximately every 10 cm (Photo 2).



Photo 2

- If all the points were completed according to the instruction the gas cylinder can be now connected.

## 4. MONTAGE

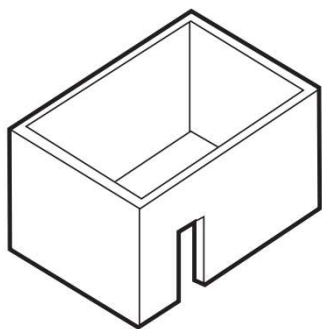
**WARNING!!!** All elements above the fireplace need to be made of non-flammable materials.

- Select a location where the outdoor fire can be supervised during operation.
- The outdoor fire is suitable for outdoor use only and must not be used indoors.
- An isolation switch must be fitted at the appliance or on an adjacent wall to allow for emergency shutdown and maintenance.
- Installation must meet Australian gas codes AS/NZS5601.1-2013.
- Do not install under trees or overhanging branches.
- Do not install under eaves, overhang or ceilings.
- Ensure adequate space around the fire to enjoy the flame from a safe distance from the heat and flame.
- Appliance should be covered or protected in wet weather. Not suitable for use in wet or windy weather.

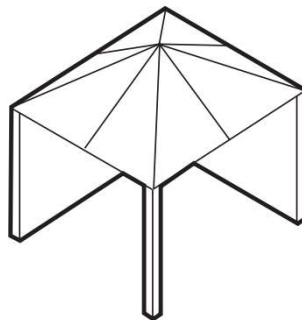
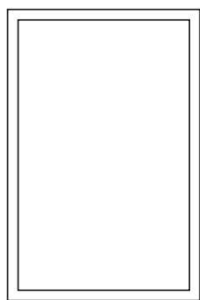
This appliance shall only be used in an above ground open air situation with natural ventilation, without stagnant areas, where gas leakage and products of combustion are rapidly dispersed by wind and natural convection.

Any enclosure in which the appliance is used shall comply with the following:

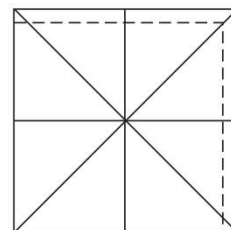
- An enclosure with walls on all sides, but at least one permanent opening at ground level and no overhead cover.
- Within a partial enclosure that includes an overhead cover and no more than two walls.
- Within a partial enclosure that includes an overhead cover and more than two walls the following 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 wall area shall be and remain open and unrestricted.
- This appliance shall not be used or installed indoors.
- The following figures are diagrammatical representations of outdoor areas

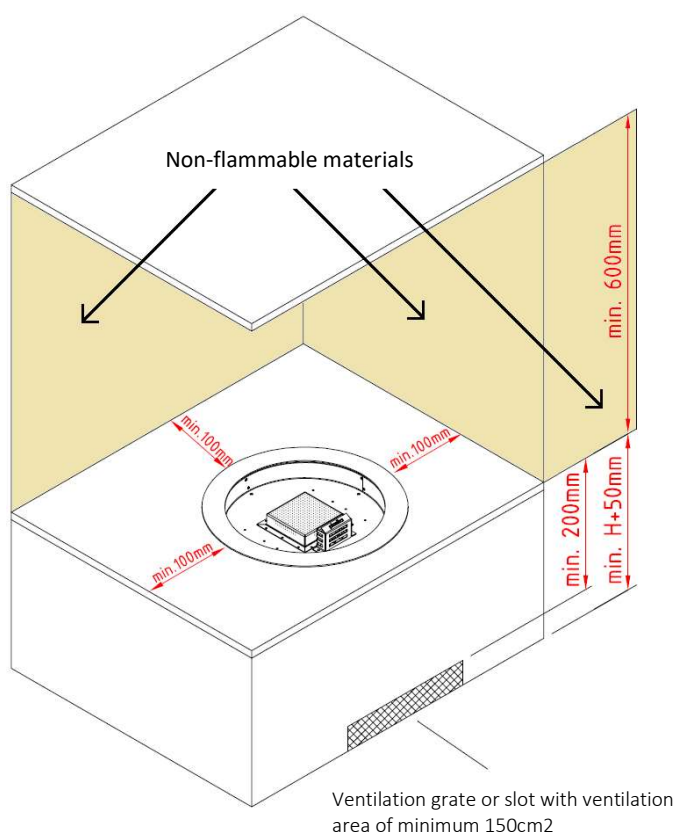
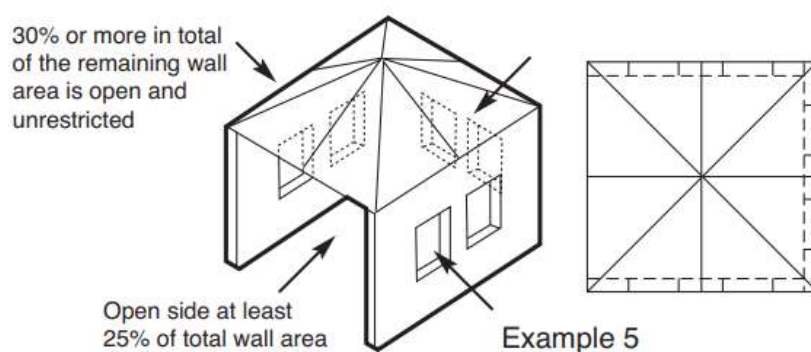
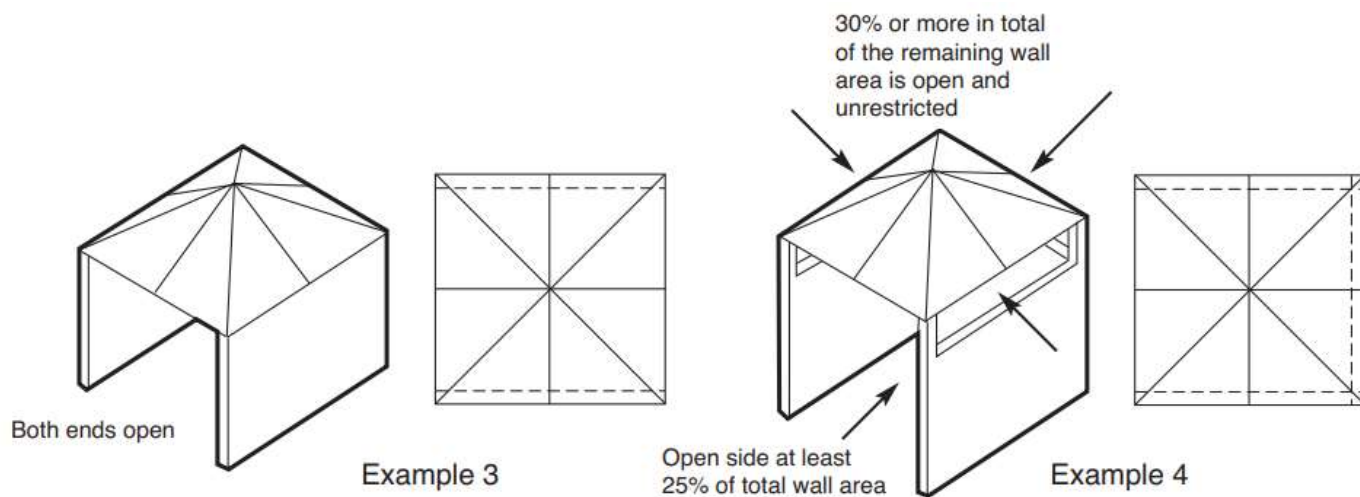


Example 1

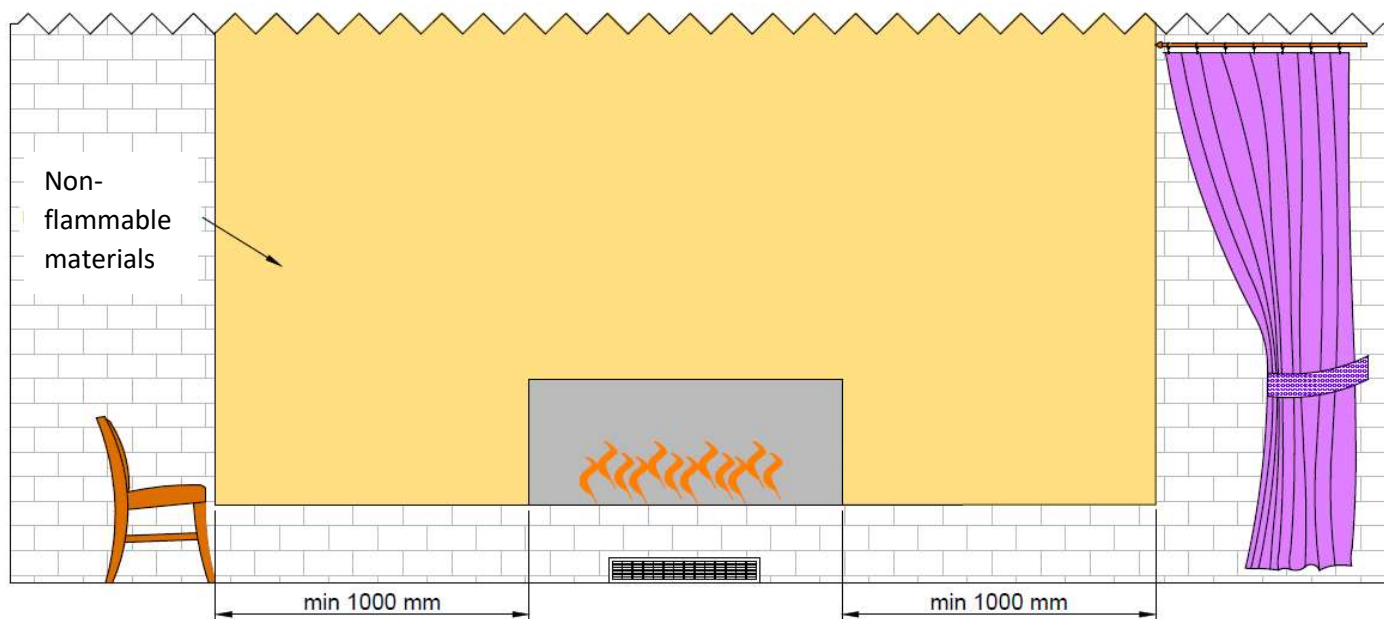


Example 2





In accordance with fire safety measures there should be no flammable objects in direct contact with the device nor within a 1 metre radius from the fire. Additionally, Planika doesn't recommend placing heat-sensitive objects above the fireplace as it may shorten their lifetime. Planika will not be responsible for any damage caused by high temperature affecting objects installed above the fire.



- The dimensions of the housing are to be chosen according to the technical drawings and a ventilation grid or slot – with ventilation area min 150cm<sup>2</sup> – needs to be placed near the base of the unit, minimally 110 mm below the burner surface.

If a hood is placed above the burner it needs to be made of non-flammable materials and a minimum distance of 60 cm from the surface of the burner needs to be observed. **WARNING!!!** If the housing is devoid of a diagonal hood above the burner one needs to remember that all surfaces inside the housing exposed to contact with hot air need to be made of non-flammable materials.

- It is not permitted to use a device which is not housed in some way.

### 4.3 Directions of how to design a housing for the fireplace

- Enclosure must be stable and be constructed of non-combustible materials.
- Enclosure and fire must be installed above ground level and have adequate drainage.
- The enclosure must have a ventilation slot with open area of minimum 150cm<sup>2</sup>.
- Ventilation allows for residual heat and unburnt gases to escape the enclosure.

Gas fire pits must be assessed and certified to AS 5263.0 Gas appliances and the below additional requirements.

- Gas fire pits must be constructed such that the burner is at a minimum height of 0.7m above the ground.
- A gas fire pit with a burner less than 1m above the ground must be guarded to the full height of the flame such that a child aged between 2 and 6 years of age cannot gain access to the flame when assessed in accordance with IEC Guide 117.
- A guard incorporated into an appliance to comply with requirement 2 (above) must be an integral part of the appliance.

All necessary information concerning the touchable surfaces of the equipment, including the following, shall be gathered:

- Classification of surface temperatures as hot, moderate or cold
- Material and texture of the surface
- All normal operating conditions of the equipment including the setting that results in maximum temperatures of the touchable surfaces
- The probability of contact, taking into account the arm's reach of a person shown in below Figure and Table

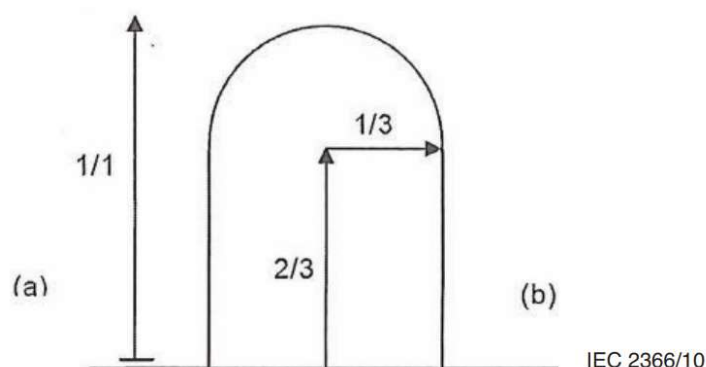
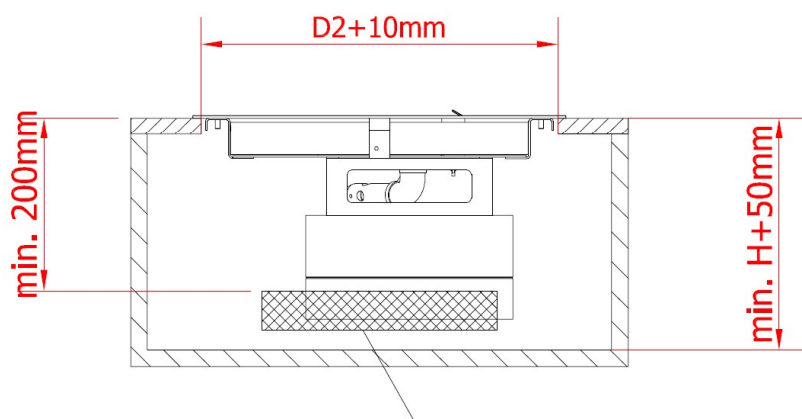


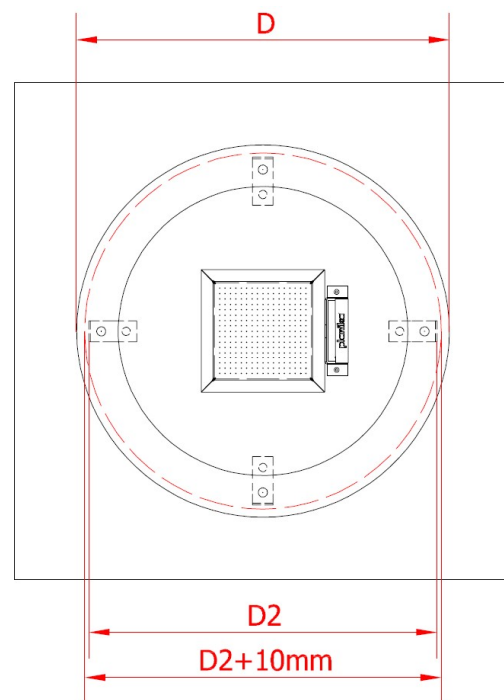
Figure - Arm's reach

The distance is interpreted as either a fully stretched person (a) or a person reaching for an item (b)

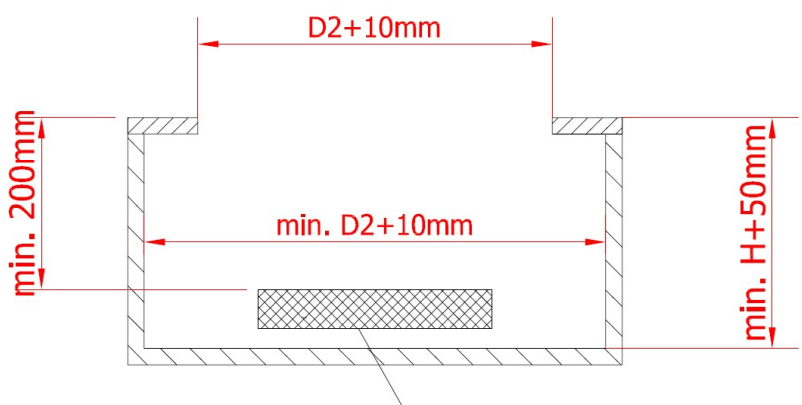
Age (Years)	Arm's reach in the vertical direction (see (a) of Figure measured from the floor (m))
Children from 2 years to less than 6 years	1,5



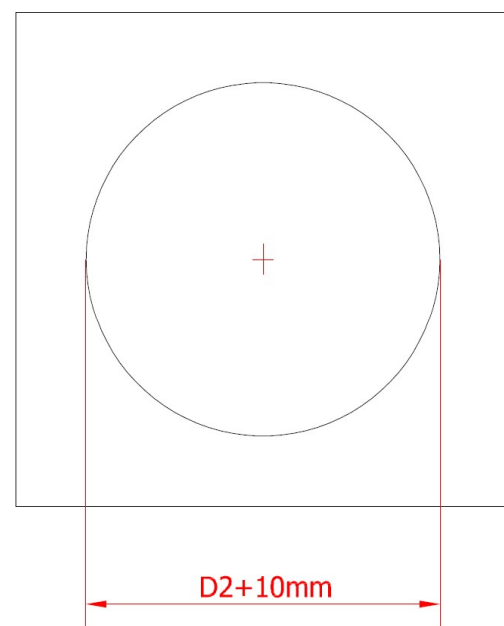
Ventilation grate or slot with ventilation area of minimum 150cm<sup>2</sup>



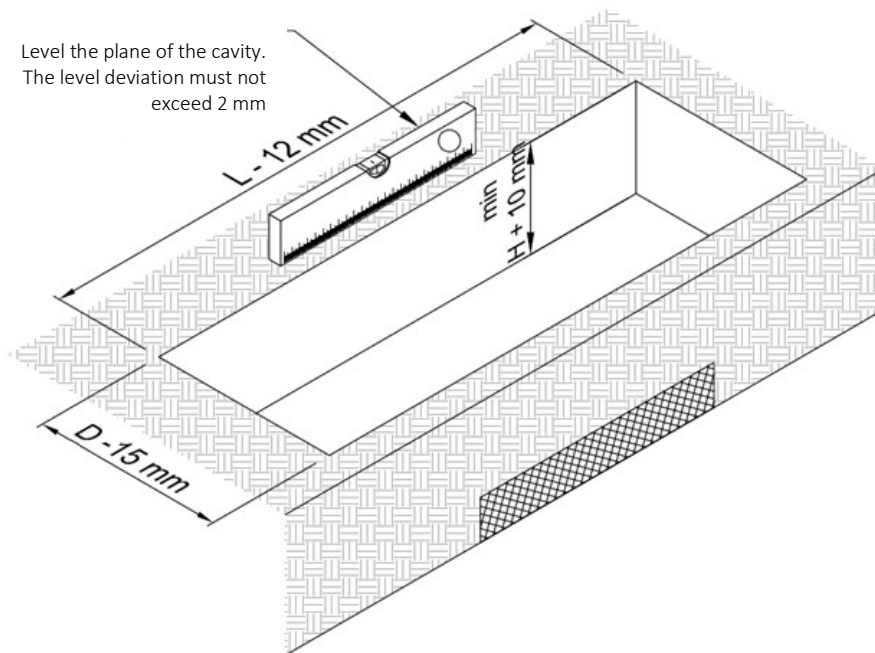
- Make the cavity for the insert according to the below outline. When preparing the cavity make sure the surface on which the insert is placed is well-levelled as there is no option of levelling out the insert.
- **WARNING!** The level difference between the edges of the fireplace cannot exceed 2 mm. Incorrect levelling may cause incorrect operation of the device and in a worst case scenario, a fire.



Ventilation grate or slot with ventilation area of minimum 150cm<sup>2</sup>

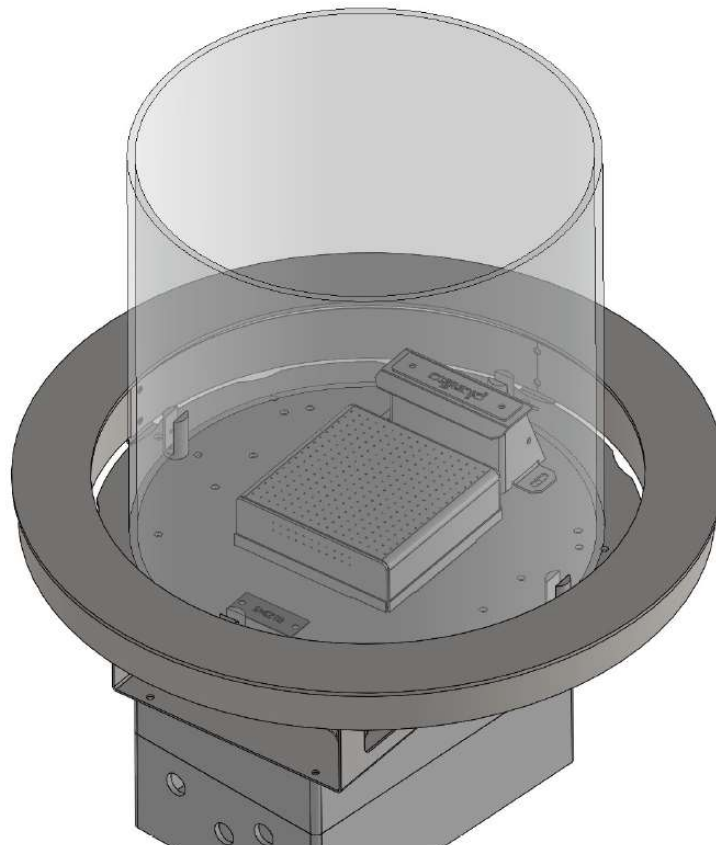


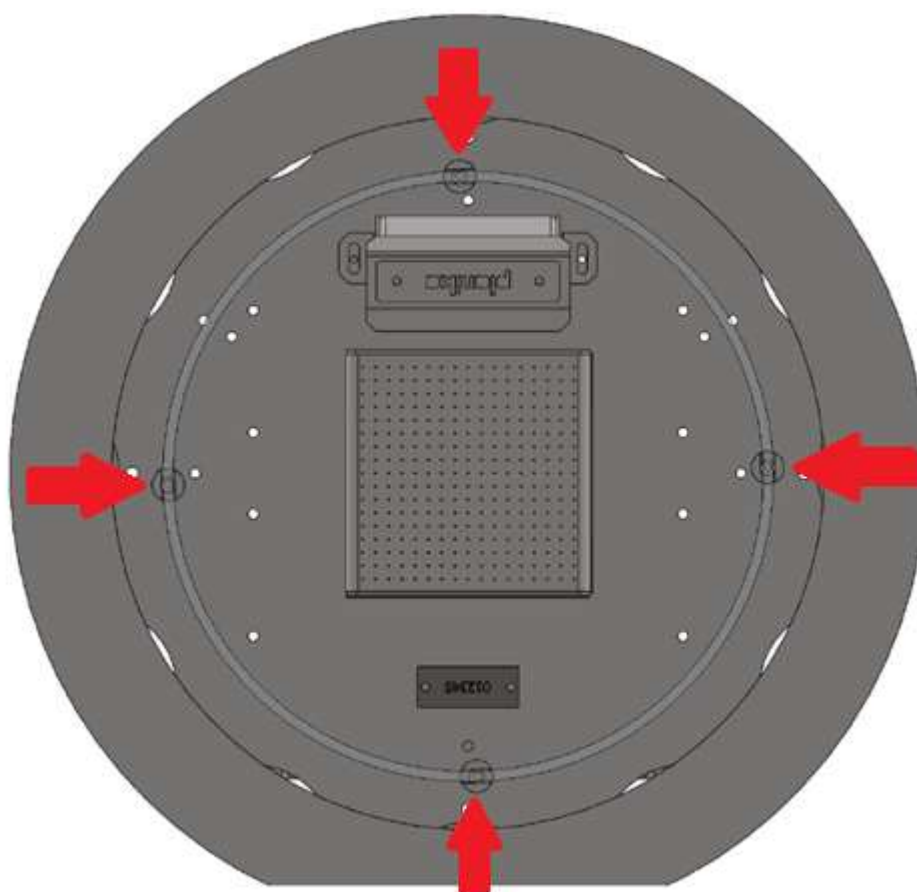
- The level difference between the edges of the fireplace cannot exceed 2 mm. Incorrect levelling may cause incorrect operation of the device and in a worst case scenario, a fire.



#### 4.3.1 Glass cylinder installation

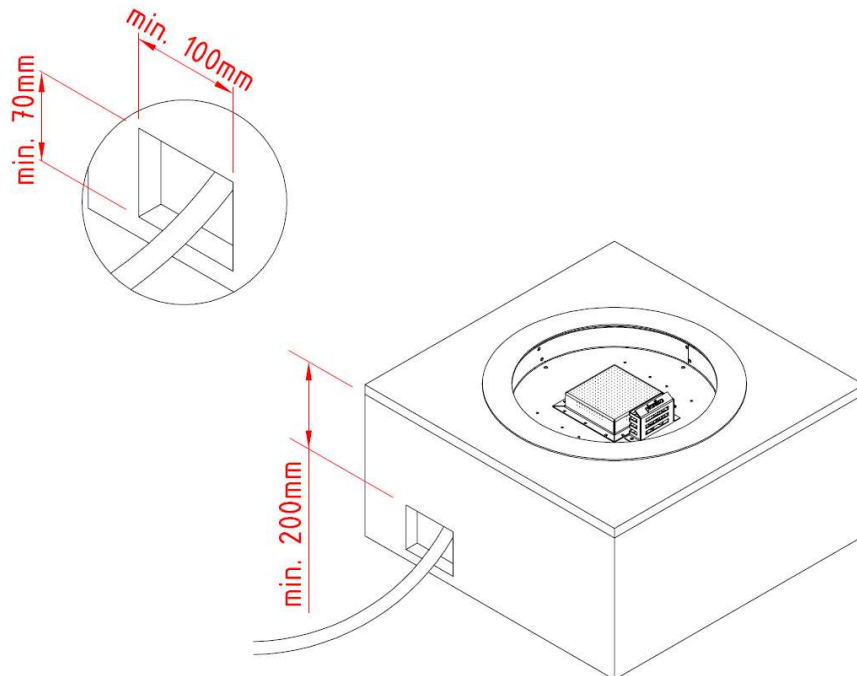
- Protective glass cylinder shall be installed on the top of the burner.
- Place glass cylinder on the 4 mounting bracket at secure it gently with the 4 screws



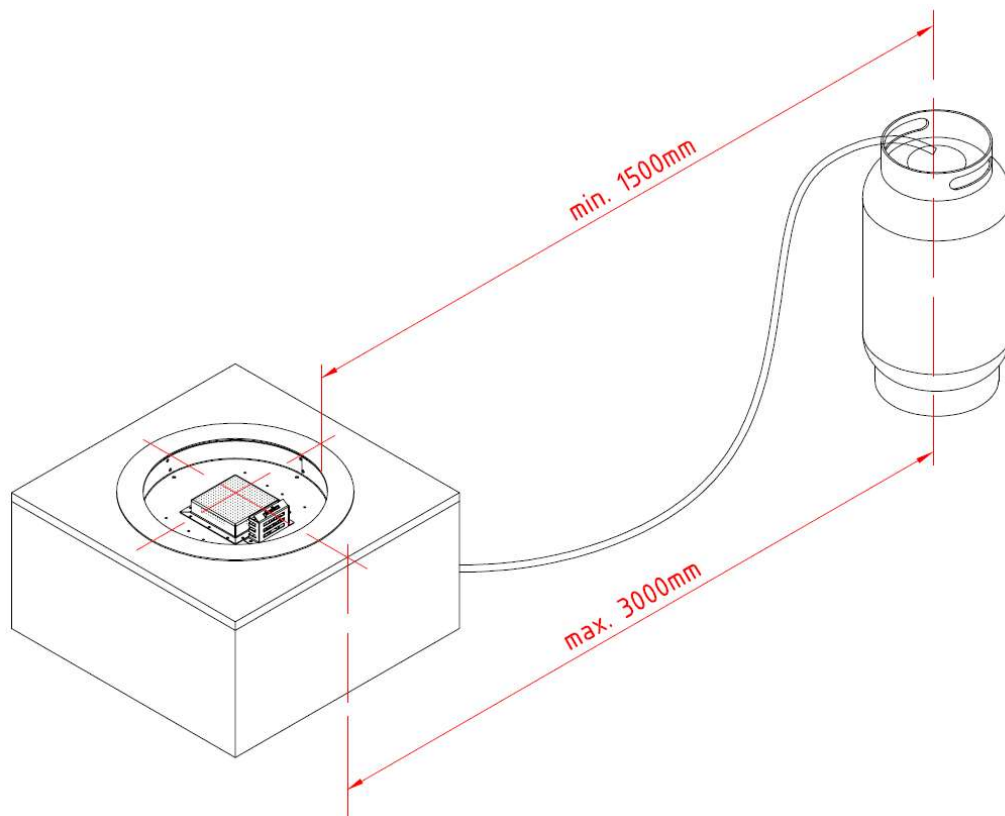


#### 4.4 Gas cylinder montage

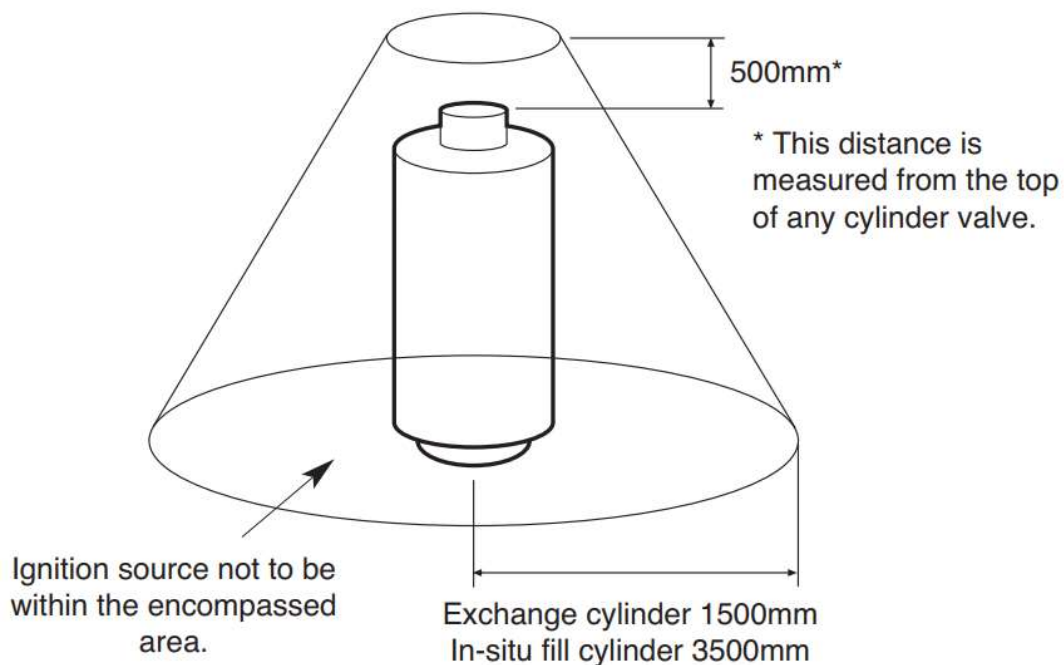
- **WARNING!** In case of LPG version it is crucial to manufacture a slot in the side of the housing where the insert is placed for the gas linkage and the pressure regulator.



The gas linkage attached to the device allows to place the gas cylinder maximally 3 metres away from the connected control panel, however it cannot be placed nearer to the device than 1,5 metres.



- The optional housing for the gas cylinder cannot be airtight and has to be correctly ventilated. 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, not less than 10,000mm<sup>2</sup> ) and a lower ventilation slot (of an area min 1/50 of the area of the base of the housing, not less than 6,000mm<sup>2</sup>). The dimensions of the housing may vary to accommodate different types and dimensions of the gas cylinders however they also have to be sufficient for hassle-free installation of the gas cylinder.
- The cylinder valve shall be readily accessible for manual operation. A door in the enclosure to gain access to the cylinder valve is acceptable provided it is non-locking and can be opened without the use of tools. An easily removable cover is also acceptable
- Cylinders should be installed on a firm, level, non-combustible base, and not resting on soil. The floor or base should be constructed so that water cannot accumulate within any enclosure or recess
- Cylinders should not be stacked on top of each other
- Any cylinder that is liable to accidental dislodgment should be prevented from falling
- Cylinders should not be installed below ground level unless there is sufficient ventilation to prevent the accumulation of any leaking gas
- A cylinder should be installed so that the pressure-relief valve is in contact with the vapour space and, where practicable, any discharge from this valve is directed away from any adjacent cylinders or combustible structures.
- Clearances around cylinders:



# WARNING!!!

- After making sure that the device has been correctly installed acquaint yourself with the attached User's Manual.
- Only after acquainting yourself with the User's Manual and correctly attaching the gas linkage may you start the device.
- If in future a need arises of having to take the insert out of the housing it may only be done when the device is turned off and cooled down and the valve on the gas cylinder is closed.
- Keep this instruction manual for the lifetime of the device.

## **4.3 Installation of the gas linkage**

**Warning!!!** The montage and service needs to be conducted by a qualified professional, a company or the gas supplier.

Before proceeding with the connection of the gas cylinder to the fireplace all activity regarding the correct placement and installation of the GaLiO Fire Pit Insert needs to be already performed. Place the gas linkage away from hot or sharp edges and make sure it is not twisted.

### **4.5.1 Natural gas connection**

First and foremost, make sure that the connecting device is designed to supply a gas suitable for the type placed in the gas installation. All necessary information regarding the desired parameters of the gas are found on the rating plate of the device. Before connecting the gas supply, it is necessary to blow them to remove any remaining metal filings and other contaminants from inside. Automatic gas control system should be protected from moisture and dust. These factors may cause irreparable damage to the individual components. The pipe supplying gas to the fireplace should be equipped with a ball valve with a recommended diameter of 1/2 inch. The individual elements of the gas installation cannot be sealed using Teflon tape or PTFE tape.

The gas valve on the gas pipe must be installed in accordance with applicable national regulations. Before connecting the gas, make sure that the gas pipes and connections have no dirt. Gas connection is finished with external thread 3/8 ". Regarding gas connection, the following requirements shall apply:

- You must use the gas pipe with the correct dimensions, so there is no pressure loss.
- Ball gas valve should be installed in an easily accessible place.

### **4.5.2 Connection and replacement of the gas cylinder (LPG version)**

The GaLiO Fire Pit Insert is delivered together with an elastic gas linkage which, on one end is connected to the valve of the device and on the other end to the 37mbar regulator (in the twist-on version) ready to be connected to the gas cylinder. One needs to control the expiry date of both of the regulator as well as the gas linkage and if necessary (for instance: broken, cut, scratched linkage) replace the components for new ones according to national standards and norms.

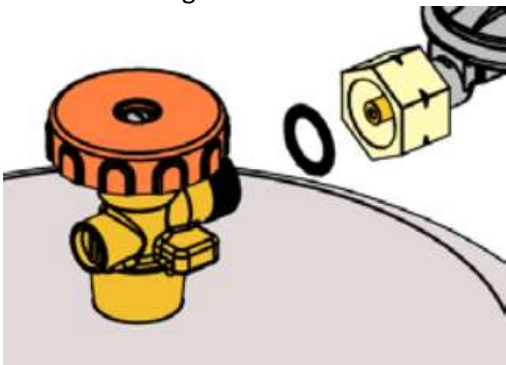


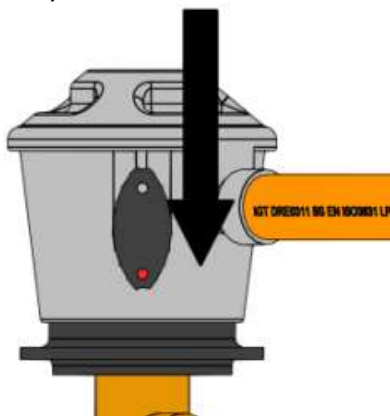
The GaLiO Fire Pit Insert fireplace can use metal or steel bottles or composite bottles filled with propane-butane gas or propane gas.

**WARNING!!!** NEVER use an unstable gas connection or a regulator for other gas pressure.

Gas cylinders have two types of connectors:

- **Twist-on connection:** The most important thing is the black seal. Always check if the seal is present and that it hasn't been damaged during the gas cylinder replacement. Some connections have a knob to fasten them in place while others require the use of a wrench. Tighten securely (left thread). Using the tool pay attention not to fasten the connection too tightly as this may damage the seal.
- **Quick-release:** For this type of connection no tool is required. On/off regulation of gas connection is made through a switch on the regulator or on a special connector. In case of using a connector with a thread regulator of an old type put a special emphasis on checking if the connecting nut has been tightly fastened with the help of wrench.

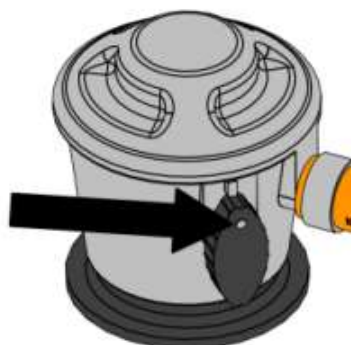
### Gas cylinder connection

Twist-on connection	Quick-release
<ol style="list-style-type: none"> <li>1. Check if the bottle valve is TURNED OFF turning it clockwise</li> <li>2. Remove the protection tip and store it for later use.</li> </ol>	<ol style="list-style-type: none"> <li>1. Remove the protection tip. Do not use any tools, leave the tip hanging freely.</li> </ol>
<ol style="list-style-type: none"> <li>3. Before making the connection check if the black seal is not damaged.</li> </ol> 	<ol style="list-style-type: none"> <li>2. Make sure all the taps on the gas device are closed and if the switch is in the OFF position.</li> </ol> 
<ol style="list-style-type: none"> <li>4. Fit the connecting nut to the cylinder with the use of a correct wrench or the connecting knob. (left thread) Do not allow the gas cylinder connectors to be fastened too tightly.</li> </ol> 	<ol style="list-style-type: none"> <li>3. Place the quick-release regulator on the valve and press it down hard. If the switch is correctly turned off you will hear a characteristic click.</li> </ol> 

5. When the gas flow is required turn the valve of the bottle counter-clockwise.






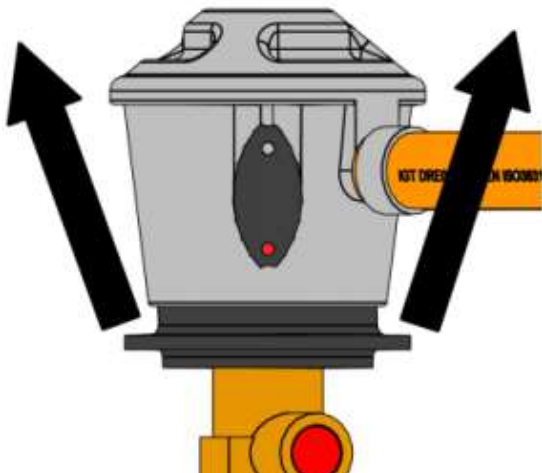
4. To let the gas flow in turn the switch into the ON position (or into the flame image).





- Place the gas cylinder in a correct distance from the fireplace (min 1,5 metres away).
- **WARNING!!!** Check the gas connection for leakage. If anything suggests a leak is present (for instance a characteristic gas smell) close the gas cylinder valve and under no circumstances turn the device on before removing the leak.
- After removing the leak one may open the gas cylinder valve again.




#### Disconnection of the gas cylinder

Twist-on connection	Quick-release
<p>1. Turn off the GaLiO Fire Pit Insert – put it into the OFF position. The main and pilot burner need to be turned off.</p> <p>2. Turn the bottle valve into the OFF position (clockwise).</p> 	<p>2. Turn the switch into the OFF position.</p> 
<p>3. NEVER DO NOT unmount the regulator (or connecting nut) when the bottle valve is open.</p> <p>4. TAKE OFF the regulator (or the connecting nut) with the use of a wrench or a connecting knob.</p> 	<p>3. Take off the quick-release regulator by pressing the switch horizontally and simultaneously pulling the whole regulator upwards.</p>

	
<p>5. REPLACE the linkage closer or cap on the empty or partially full bottle if it's not being used.</p>	<p>4. REPLACE the tightening cap on an empty or partially full bottle if it's not being used.</p>

#### 4.5.3 Pressure regulator replacement (LPG version)

<p>1. You always need to use a pressure regulator between the gas cylinder and the device. Replace the pressure regulator every 5 years. Allowed pressures: 30 mbar, 37 mbar (recommended), 50 mbar. Use only the redactors that comply with the EN16129 European Norm.</p> <p>2. Turn off the GaLiO Fire Pit Insert – the „OFF” position. The main burner and the pilot burner need to be turned off.</p> <p>3. Disconnect the regulator from the gas cylinder (description above).</p>	
<p>4. Loosen the metal clamp with the use of a screwdriver (philips) or a flat wrench.</p>	
<p>5. Move the clamp away from the stub of gas regulator.</p>	

<p>6. Take off the linkage from the stub of regulator.</p>	
<p>7. Attach a new linkage on the stub of regulator.</p>	
<p>8. Move the clamp into the stub again and tighten it. WARNING! In the event of visible damage on the clamp, replace it for a new one.</p>	

## 5. OPERATING INSTRUCTIONS

The GaLiO Fire Pit Insert fireplace has a remotely control valve with a built-in ignition for the pilot flame. The flame height of the main burner may be appropriately regulated by Wall Switch (Touch Panel) or remote control (if delivered).



90 mm

90 mm

*Hand-held transmitter and Wall Switch*

### 5.1 Setting up signal code

**WARNING!** You only need to set up the signal code once. It is not necessary when changing the batteries of the hand-held transmitter or receiver. **The appliance is delivered already configured and ready to work.**

**In case of lost or damaged** of hand-held transmitter the new one has to be programmed and the receiver must first learn the hand-held transmitter's signal code before the first use:

- Press the **"RESET"** button on the receiver, and keep this pressed until 2 beeps are heard. Release the **"RESET"** button after the second (somewhat longer) beep.

Press, within 20 seconds, the „-“ button (small flame) on the hand-held transmitter, until 2 short beeps are heard.

The signal code has now been set up on the receiver. If, however, a single long beep is heard, this means that setting the signal code has failed or that the wiring has been connected incorrectly.



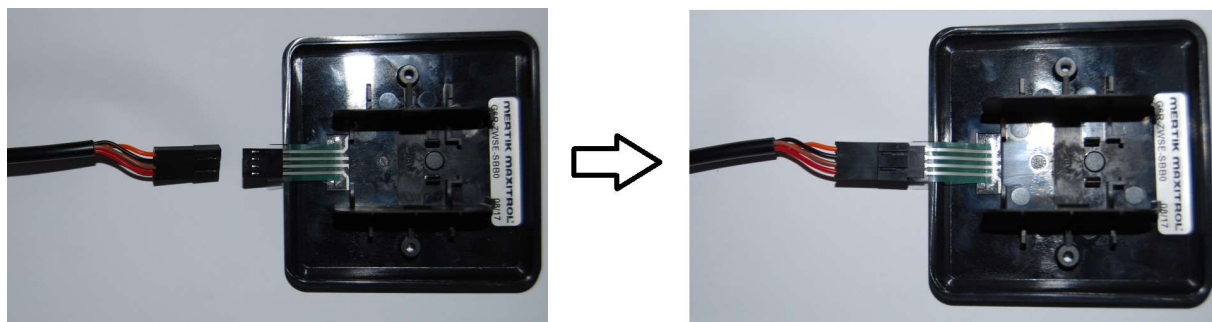
*Receiver "RESET" button*

## 5.2 Installing the control unit (Wall Switch)

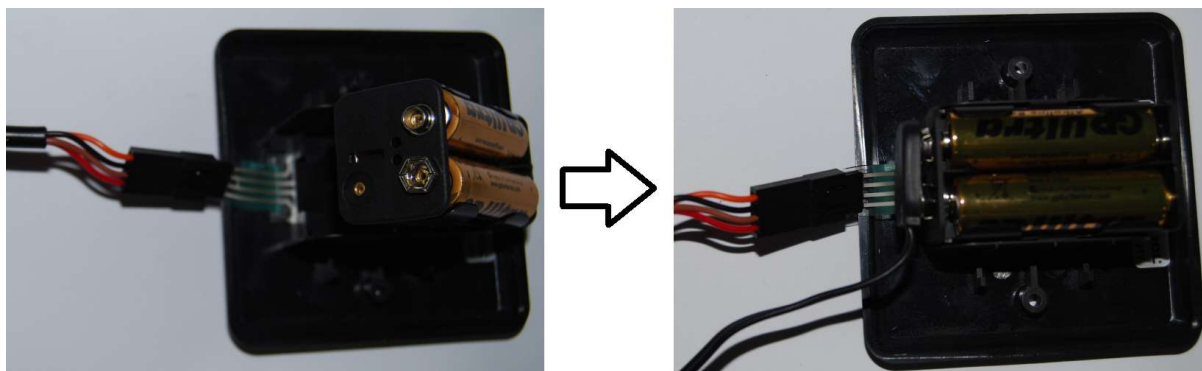
The control unit has standard a cable with a length of 8 m (connection for battery supply and for the controlling).

**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 **5 x 8 cm** 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!!!**

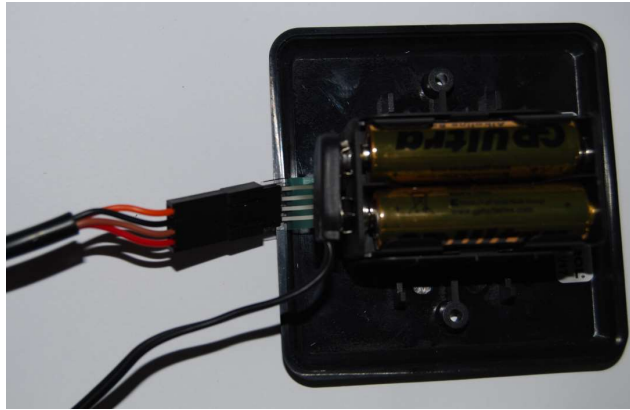
- The Wall Switch should be installed in a casing suitable for the way of installation, e.g. in an installation box which is installed on surface or concealed, etc., with a waterproof casing class of no less than IP64.
- We recommend to place the battery holder in the same casing (located on the Wall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

### 5.3 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.

- The battery are placed in battery holder which is integrated into the control unit (Wall Switch).



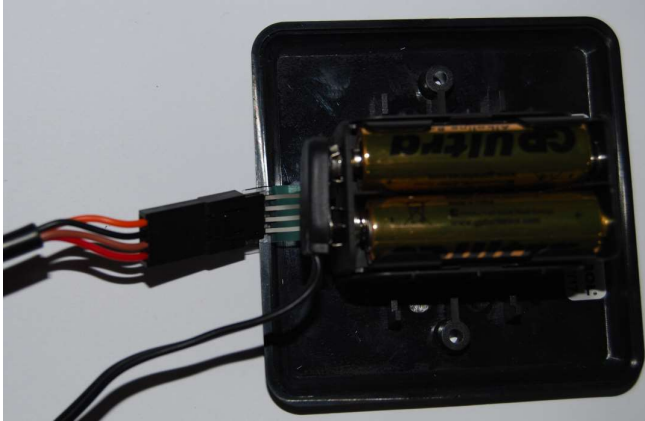
- Unscrew the Wall Switch plate.



- 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.

#### **5.4 Remote control (if delivered)**

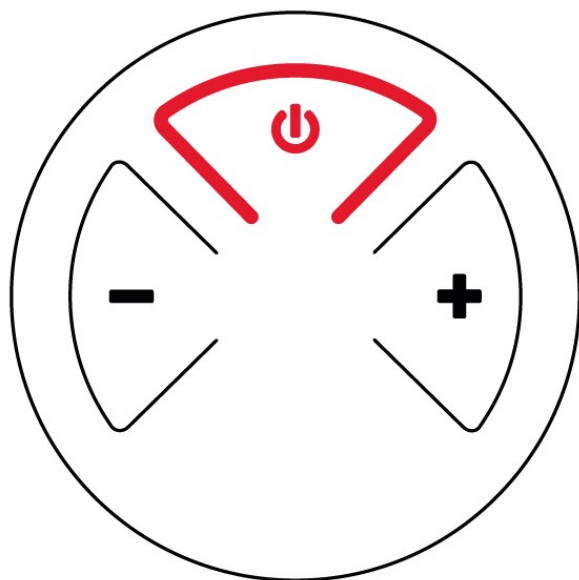
GaLiO Fire Pit Insert can be operated by radio remote control. This comprises a hand-held transmitter and a receiver. The receiver is part of the gas control block assembly.



- Electrical connections and batteries:
  - Hand-held transmitter: 2x 1.5V AAA battery
  - Receiver: 4x1.5V AA battery or 6 VDC
- **WARNING!** Without using a mains adapter, battery replacement is recommended at the beginning of each heating season. Old or dead batteries should be removed immediately. If left in the unit the batteries can overheat, leak, and / or explode. Do NOT expose batteries (including during storage) to direct sunlight, excessive heat, fire, moisture, or severe impact. Each of these conditions can cause the batteries to overheat, leak, and / or explode. Batteries must be kept within their recommended temperature limits. Ambient battery temperature range: 32 °F to 131 °F [0 °C to 55 °C].
- The hand-held transmitter batteries have a service life of approx. one year. We recommend you use alkaline batteries. Rechargeable batteries are not permitted.
- To replace batteries:
  - Open the cover on the back of the remote control.
  - Remove the batteries from the battery compartment.
  - Place two new 1.5V batteries (LR03 or AAA type) as indicated in the battery compartment.
  - Close the cover

### 5.4.1 Switch the Fire ON and OFF

Before operating make sure MANUAL knob on the GV60 valve is in the **ON**, full counter clockwise position.

**WARNING!** When the pilot light is ignited, the motor turns automatically to maximum flame height. If the pilot flame goes out for any reason, wait for 5 minutes before attempting to re-light it. If the pilot does not stay lit after several tries, turn the main valve knob to **OFF**.

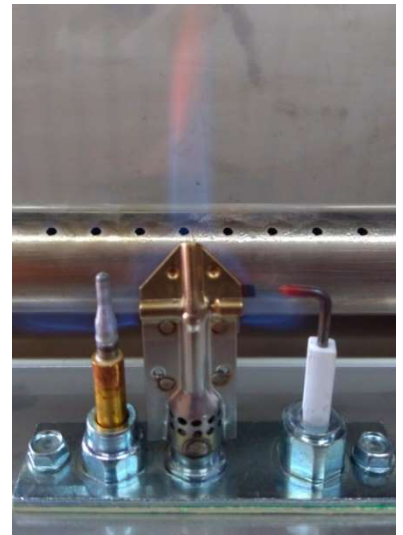


1. Open the valve of the gas cylinder (or gas supply valve in the gas pipe).
2. Press  button until two short beeps confirms the start sequence has begun; release button.
3. Main gas flows once pilot ignition is confirmed.
4. Handset automatically goes into Manual Mode after main burner ignition.
5. Press and hold  button to turn **OFF** the fire.

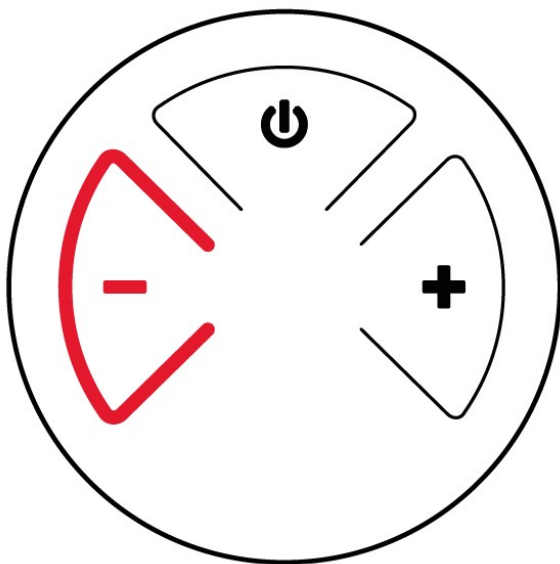
- This can take few seconds to ignite to pilot flame especially when you have replaced and installed a new LPG gas cylinder.
- If the pilot light does not ignite after 3 ignition attempts close the gas tap and warn the fitter.
- Once the pilot light is burning, the main burner must ignite within 10 seconds automatically. If this does not happen, immediately close the gas tap and warn the fitter.
- If the main burner ignites with a pop immediately close the gas tap and warn the fitter.
- If the appliance is not to be used for some time, please close the gas supply valve in the gas pipe (or valve of the gas cylinder).
- **WARNING!** If the pilot flame goes out for any reason wait for 5 minutes before attempting to re-light it.

### **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.

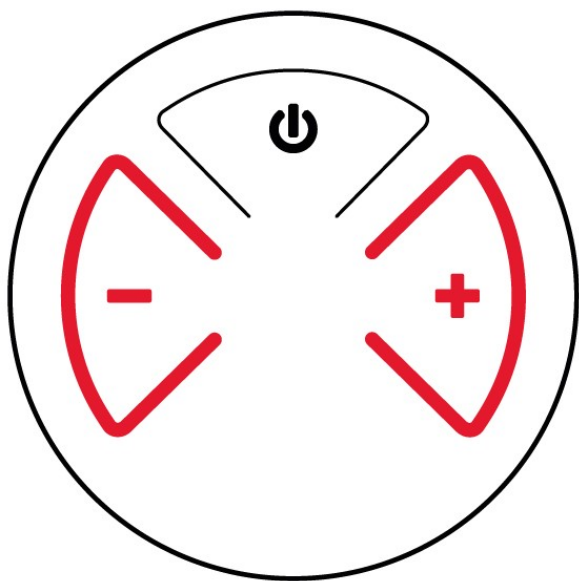


#### **5.4.2 Stand-by mode (Pilot flame)**



Press and hold „-“ button to set appliance to pilot flame. Pilot flame remains burning (standby position).

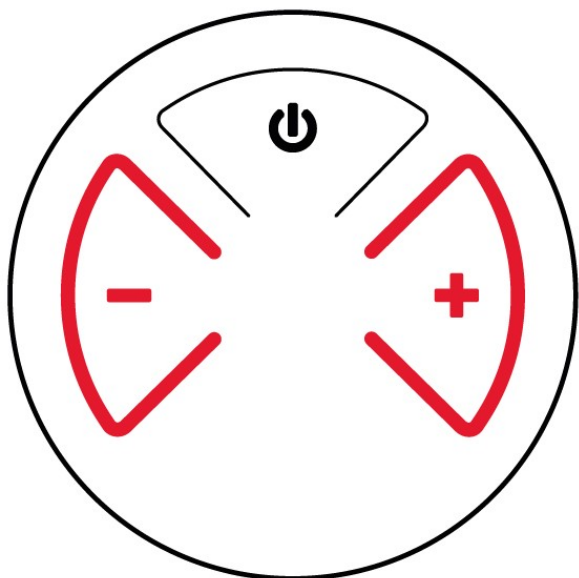
#### 5.4.3 Flame height adjustment



After ignition, the burner automatically sets the flames to the maximum height.

- To decrease flame high, or to set appliance to pilot flame, press and hold „-“ button.
- To increase flame high press and hold „+“ button.

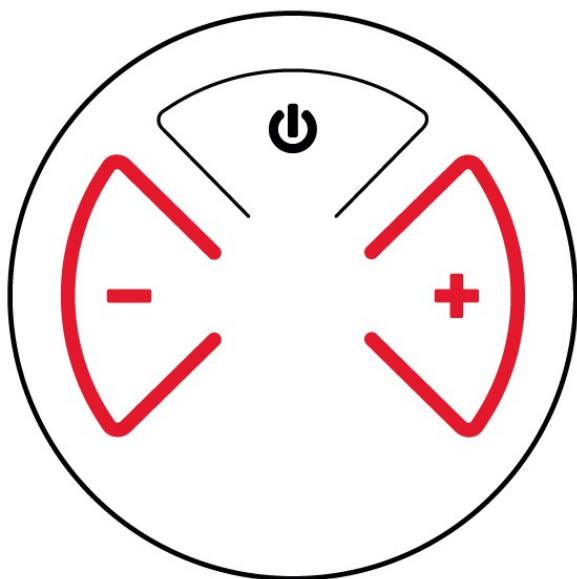
#### 5.4.4 Flame height directly to minimum position



Pressing the „-“ button twice automatically decreases the flames to the LOW position

**NOTE:** Flame goes to high fire first before going to low fire. Backlight must be on for low fire double-click operation!

#### 5.4.5 Flame height directly to maximum position



Pressing the „+“ button twice automatically decreases the flames to the HIGH position

Press and hold „+“ button to increase the flame level and to turn on the burner from the stand-by position.

**NOTE:** If you turn on the burner by pressing the button, it must ignite within 10 seconds. If this does not happen, immediately close the gas tap and warn the fitter.

#### 5.4.6 Automatic Turn Down To Pilot

##### 3 Hour No Communication Function

The valve will turn to pilot flame if there is no communication between handset and receiver for a 3 hour period. The fire will continue to function normally when communication is restored.

##### 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.

### **5.4.7 Automatic Shut Off**

#### **Countdown Timer**

At end of countdown time period, the fire shuts off. The Countdown Timer only works in Manual, Thermostatic, and Eco Modes. Maximum countdown time is 9 hours and 50 minutes.

#### **Low Battery Receiver**

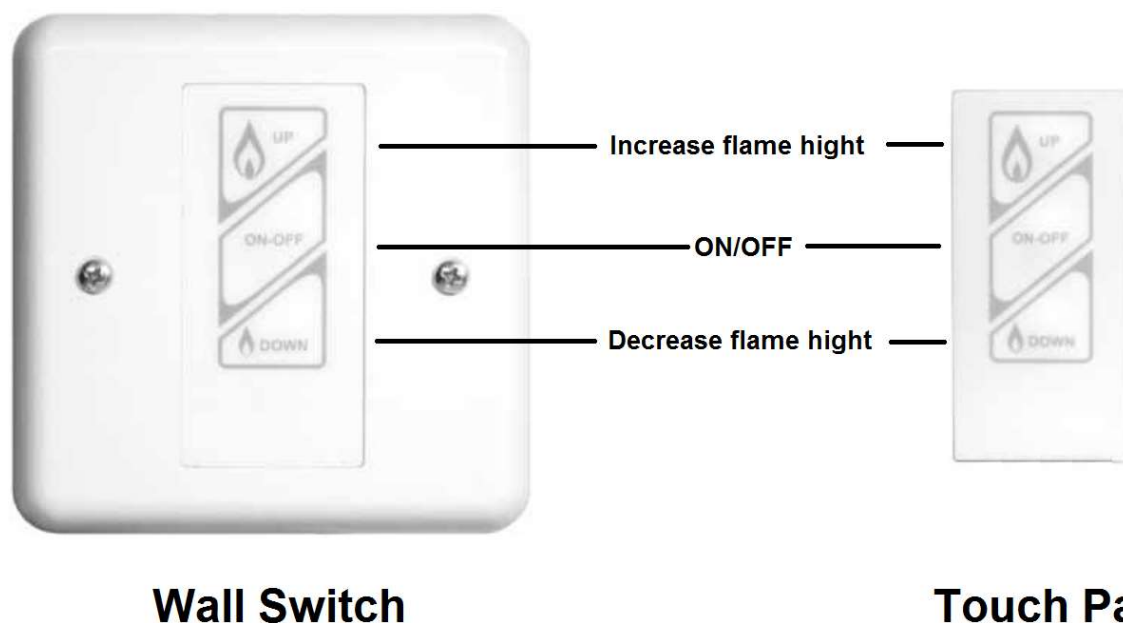
With low battery power in the receiver the system shuts off the fire completely. This will not happen if the power supply is interrupted.

#### **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.

## 5.5 Wall Switch

Depending on customers preferences GaLiO Fire Pit Insert may be additionally operated either by Wall Switch (included) or Touch panel. Both can be placed maximum 8 meters away from the Insert. Additionally behind Wall Switch the battery box can be placed.




*Wall Switch and Touch Panel*

### To Turn ON Appliance

- Press **ON-OFF** button 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  **DOWN** (small flame) button to set appliance at pilot flame.

### To Turn OFF Appliance

- Press **ON-OFF** button.

### Flame Height Adjustment

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

## 6. 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.

### 6.1 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.**

### 6.2 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.

## 7. 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.

### 7.1 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.

### 7.2 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.

## 8. 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
<b>SMELL OF GAS</b>	<b>CLOSE THE VALVE ON THE GAS CYLINDER IMMEDIATELY. DO NOT USE THE DEVICE UNTIL LEAKS HAVE BEEN REMOVED.</b>	
Leak detected at cylinder, regulator or other connection.	<ol style="list-style-type: none"> <li>1. A loose regulator linkage.</li> <li>2. Leak in the gas linkage, in the regulator or on the gas knobs.</li> </ol>	<ol style="list-style-type: none"> <li>1. Tighten and test it.</li> <li>2. Report this issue to service.</li> </ol>
Burner does not ignite	<ol style="list-style-type: none"> <li>1. The bottle is empty.</li> <li>2. Igniter linkage is not connected.</li> <li>3. No ignition spark.</li> <li>4. The igniter electrode is placed incorrectly opposite the igniter.</li> <li>5. Gas nozzles are blocked.</li> <li>6. Gas linkage is twisted.</li> <li>7. Pressure regulator link is loose.</li> </ol>	<ol style="list-style-type: none"> <li>1. Replace Gas Cylinder.</li> <li>2. Connect the igniter linkage.</li> <li>3. Replace igniter.</li> <li>4. Realign electrode and clear any surrounding debris from area.</li> <li>5. Unmount burner, clean the nozzle.</li> <li>6. Straighten the linkage. Keep the linkage away from the housing.</li> <li>7. Tighten the link. Check for leaks.</li> </ol>
Igniter Not Working	<ol style="list-style-type: none"> <li>1. Ignitor wire not connected.</li> <li>2. Electrode misaligned on pilot burner</li> <li>3. Igniter malfunction</li> </ol>	<ol style="list-style-type: none"> <li>1. Ensure pilot electrode wire is connected.</li> <li>2. Realign electrode and clear any surrounding debris from area.</li> <li>3. Replace Igniter</li> </ol>
Low efficiency, „cracking” sounds	<ol style="list-style-type: none"> <li>1. The bottle is empty.</li> <li>2. The nozzles of the burner are blocked.</li> </ol>	<ol style="list-style-type: none"> <li>1. Replace Gas Cylinder.</li> <li>2. Unmount the burner, clean the nozzle.</li> </ol>
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.

There are many factors that may affect the malfunction of the gas insert. To exclude a possible fault in the unit or the automatic gas control system, make sure that the fireplace is connected according to these instructions.

Below table summarizes possible failures that may occur, possible causes and ways to solve them.

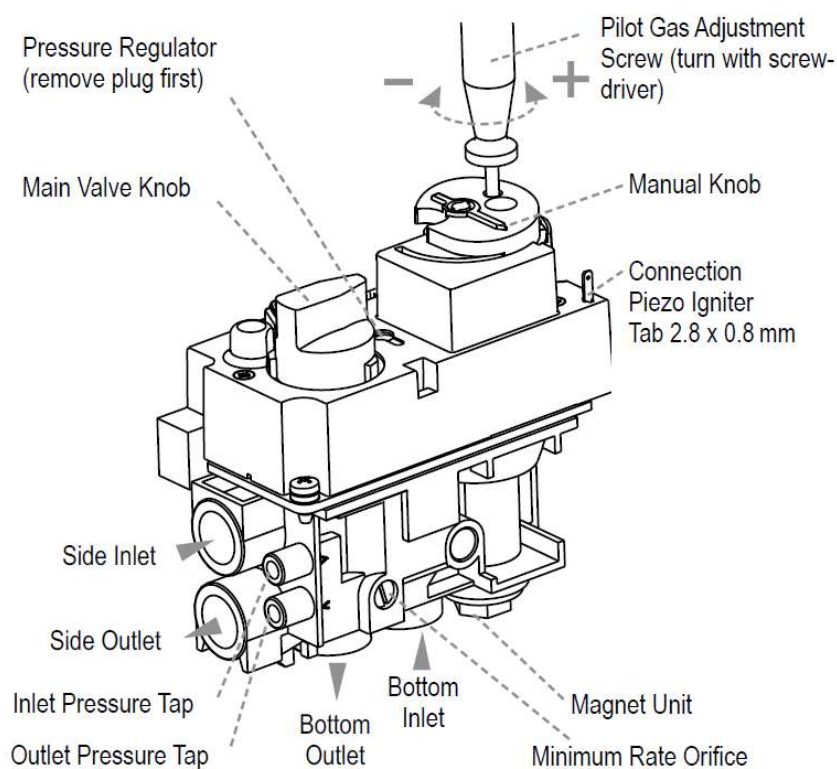
Failure code	Message shown in app	Description	Possible cause
F02	F02 Contact Service.	Wiring Motor and/or Microswitch.	No Motor end stop found Wiring to Motor Microswitch connection or function Bent Motor Knob
F03	F03 Contact Service.	Thermocouple wiring wrong or interrupted, or kill switch open.	Thermocouple wiring wrong or interrupted ON/OFF switch at Valve open
F04	F04 Ignition Sequence Malfunction. Wait 1 minute. Retry ignition.	No pilot flame within 30 sec; Remark: after 3 times failure F06 will be created.	No gas supply Air in pilot supply line No spark Wrong polarity in Thermocouple wiring
F06	F06 Contact Service.	No pilot flame within 30 sec for 3 times within 5 Minutes.	No gas supply Air in pilot supply line No spark Wrong polarity in Thermocouple wiring
F10	F10 Contact Service.	2nd Thermocouple did not sense flame.	Logs out of position
F12	F12 Contact Service.	Limit temperature exceeded (T> 60 °C); Motor turns down to pilot.	V Module connected Receiver equipped with back up batteries
F13	F13 Contact Service.	Limit temperature exceeded (T> 80 °C); Motor turns down to pilot.	V Module not connected Receiver not equipped with back up batteries
F14	F14 Contact Service.	Receiver software doesn't support a 2nd Thermocouple.	Wrong Receiver type
F15	F15 Contact Service.	2nd Thermocouple is not connected to the Receiver.	- Wiring of 2nd Thermocouple not connected or damaged
F16	F16 Handset out of range.	No temperature value from Handset found for 1,5 h.	No Handset in range
F17	F17 Contact Service.	Measure range malfunction Vcc > 7,25 V.	Wrong or malfunctioning Mains Adapter
F19	F19 Contact Service.	Pilot drops when Motor opens the main gas.	Not enough thermovoltage Bad Thermocouple Low inlet pressure Valve

Failure code	Message shown in app	Description	Possible cause
F26	F26 Contact Service.	Motor up prohibited after ignition / Fan at level 4 for 10 minutes (T > 60/80 °C).	- Receiver temperature still above 60/80 °C
F28	F28 5 Day Shut OFF.	5d Timer expired or switched off at low batteries.	No Motor turn for 5 days Empty Receiver batteries
F31	F31 Contact Service.	Electronic malfunction.	Misconnection, short, high voltage Overheating
F41	F41 Check Wi-Fi.	No or bad Wi-Fi connection.	No or bad Wi-Fi connection
F42	F42 Check Wi-Fi.	No myfire Wi-Fi box found.	No power myfire Wi-Fi Box is not connected to the Home Network Incorrect myfire Wi-Fi Box version
F43	F43 No Receiver Connected. Contact Service.	No Receiver connected to myfire Wi-Fi Box or bad connection.	Defect or loose wire between Receiver and myfire Wi-Fi Box
F44	F44 Missing temperature Sensor. Contact Service.	No Temperature Sensor found (Handset or NTC)	No Handset available or no Temperature Sensor connected

Failure code	Message shown in handset	Duration displaying	Description	Possible cause
F04	F04	4s	No pilot flame within 30 sec Remark: after 3 times failure F06 will be created.	No gas supply Air in pilot supply line No spark Wrong polarity in thermocouple wiring
F09	F09	4s	The Receiver has not been paired with the Handset.	Down arrow button was not pressed during pairing
F40	Battery Symbol	Permanent	Low battery power in Handset.	Replace Handset batteries
F46	F46	4s	No or bad connection between Receiver and Handset.	No power at Receiver Low communication range

## 9. PRESSURE ADJUSTMENT

Do not attempt to remove screws from the top of gas valve. Do not change any adjustments marked with tamper indicating paint. Motor knob is not to be removed.



### • Pilot Flame Adjustment

The pilot flow adjustment is preset to maximum at the factory. The pilot flame should envelope  $\frac{3}{8}$ " to  $\frac{1}{2}$ " of the thermocouple

- The adjustment screw can be reached through a hole in the MANUAL knob (see figure 21).
- Turn the MANUAL knob to the ON position.
- It is now possible to pierce through a film on the cover with a screwdriver to reach the adjustment screw beneath.
- Turn the adjustment screw clockwise to decrease or counterclockwise to increase pilot flame.

- **Outlet Pressure Adjustment (High Fire)**

- Connect a pressure manometer to the valve outlet pressure tap. Pressure tap is opened by turning the screw counterclockwise. Pressure regulator or throttle are located under the cover and can be reached by removing the plug (see figures 21 and 23).
- Turn MANUAL knob and main valve knob to the ON position.
- Turn pressure regulator adjustment screw to set required burner pressure (high fire). Pressure is increased by turning clockwise (pressure regulator models), or decreased by turning counterclockwise: LPG 9" WC, NG 4" WC

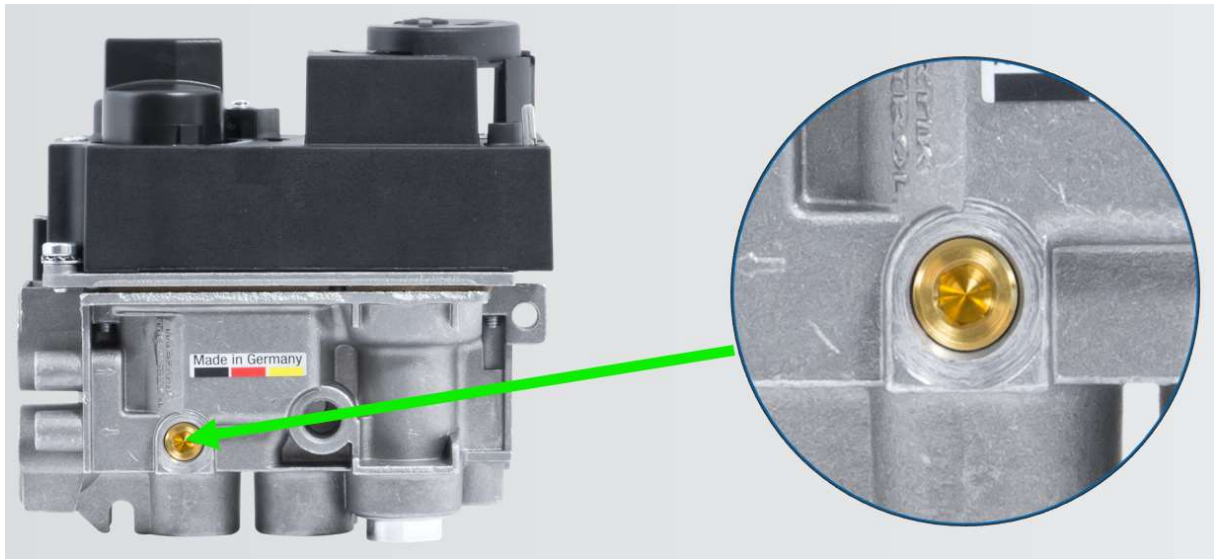
Pressure Regulator or Throttle



- After adjustment, replace the plug.
- If no other adjustments are required, close pressure tap(s) by turning the screw(s) full clockwise. Check all connections/pressure tap(s) for leaks.
- If the desired outlet pressure or flow cannot be achieved by adjusting the gas valve, check the gas valve inlet pressure using a manometer at the valve inlet pressure tap. If the inlet pressure is in the normal range, replace the gas valve; otherwise, take necessary steps to assure proper gas pressure to the valve

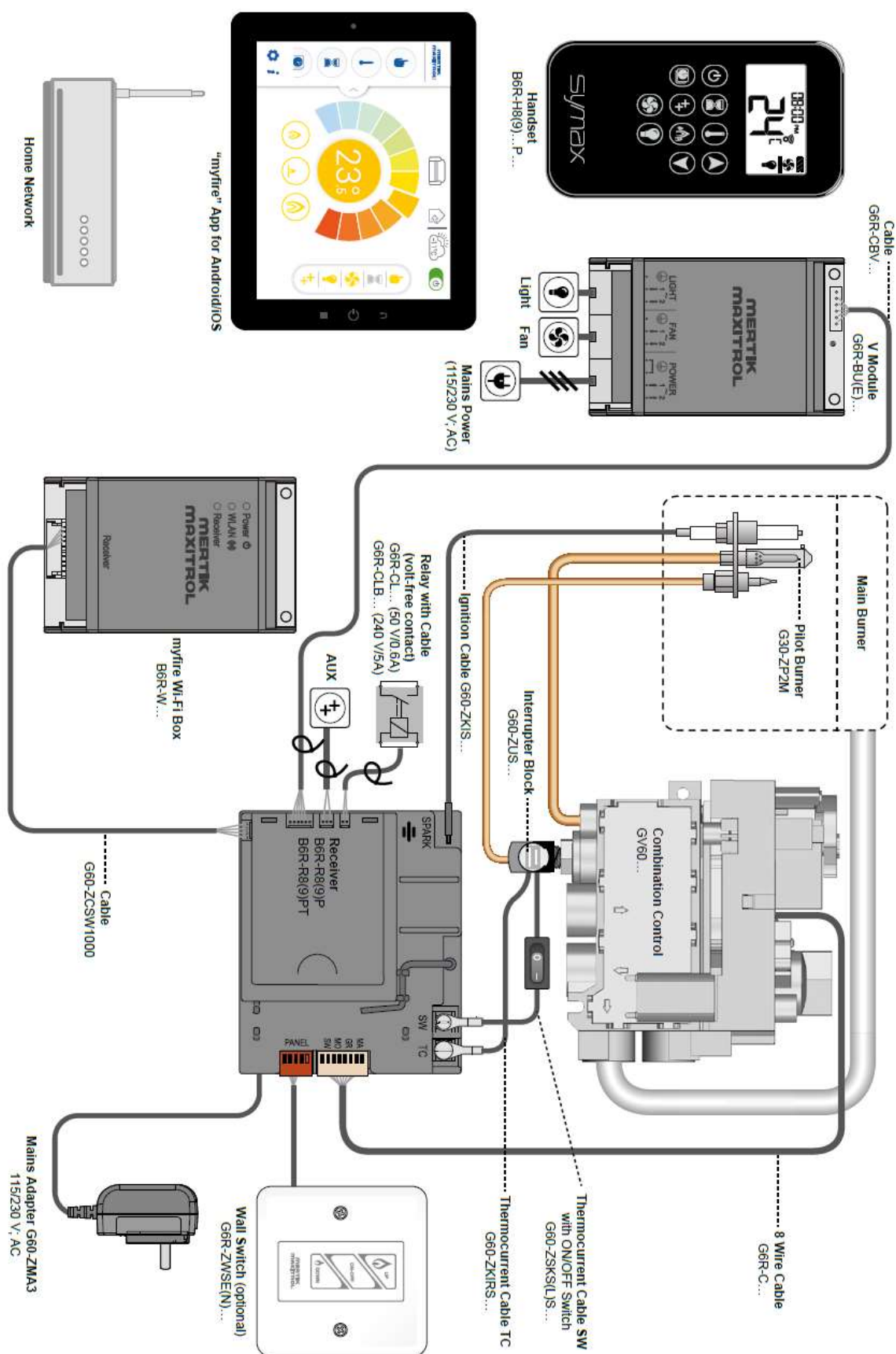
- **Minimum rate Adjustment**

- Connect a pressure manometer to the valve outlet pressure tap. Pressure tap is opened by turning the screw counterclockwise. Minimum rate adjustment screw is located on the top of the metal valve body.
- Turn minimum rate adjustment screw to set required burner pressure (minimum fire). Pressure is increased by turning clockwise (pressure regulator models), or decreased by turning counterclockwise: LPG 3,5 "WC, NG 1,2" WC



**Warning!** You should never connect any device adapted to the combustion of liquefied gas to the gas network of natural gas and vice versa.

## 10.ELECTRICAL DIAGRAMS



## 11. TECHNICAL SPECIFICATION

Manufactured by:  
**Planika Sp. z o.o.**  
 Bydgoska 38  
 86-061 Brzoza  
 Poland

**planika**  
 INTELLIGENT FIRE



Model No.	Galio Fire Pit Insert
Serial No.	FO 1008 19
Gas Type	LPG
Index	GO-AL01-00012
Date of Manufacture	11/2019
Nominal Injector Size (mm)	1.40
Pilot flame injector (mm)	0.2
Inlet Pressure (kPa)	2.75
Test Point Pressure (kPa)	1.20
Turndown Test Point Pressure (kPa)	0.89
Nominal Gas Consumption (MJ/h)	17.6
Turndown Gas Consumption (MJ/h)	14.9
Primary Aeration Setting (mm)	Half Closed

**SUITABLE ONLY FOR OUTDOOR INSTALLATION**

**DO NOT OPERATE IN AN ENCLOSED AREA**

**DO NOT OPERATE IN AN UNVENTILATED AREA**

**DO NOT OPERATE INDOORS**

**DO NOT OPERATE THIS APPLIANCE BEFORE LEAK CHECKING HOSES AND GAS CYLINDER CONNECTION**

**TO BE INSTALLED ON FIRE RESISTANT MATERIAL**

**FOR OUTDOOR USE ONLY**

**THE INSTRUCTIONS PACKAGED WITH THIS APPLIANCE CONTAIN IMPORTANT INFORMATION ABOUT  
 INSTALLATION AND USE**

**TO BE INSTALLED ONLY BY AN AUTHORIZED PERSON IF CONNECTING TO FIXED CONSUMER PIPING**

Manufactured by:  
**Planika Sp. z o.o.**  
**Bydgoska 38**  
**86-061 Brzoza**  
**Poland**

**planika**  
 INTELLIGENT FIRE



Model No.	Galio Fire Pit Insert
Serial No.	FO 1009 19
Gas Type	NG
Index	GO-AL01-00013
Date of Manufacture	11/2019
Nominal Injector Size (mm)	1.80
Pilot flame injector (mm)	2 x 0.2
Inlet Pressure (kPa)	1.13
Test Point Pressure (kPa)	1.00
Turndown Test Point Pressure (kPa)	0.53
Nominal Gas Consumption (MJ/h)	17.0
Turndown Gas Consumption (MJ/h)	12.6
Primary Aeration Setting (mm)	Fully Closed

**SUITABLE ONLY FOR OUTDOOR INSTALLATION**

**DO NOT OPERATE IN AN ENCLOSED AREA**

**DO NOT OPERATE IN AN UNVENTILATED AREA**

**DO NOT OPERATE INDOORS**

**DO NOT OPERATE THIS APPLIANCE BEFORE LEAK CHECKING HOSES AND GAS CYLINDER CONNECTION**

**TO BE INSTALLED ON FIRE RESISTANT MATERIAL**

**FOR OUTDOOR USE ONLY**

**THE INSTRUCTIONS PACKAGED WITH THIS APPLIANCE CONTAIN IMPORTANT INFORMATION ABOUT  
 INSTALLATION AND USE**

**TO BE INSTALLED ONLY BY AN AUTHORIZED PERSON IF CONNECTING TO FIXED CONSUMER PIPING**

## 12.MANUFACTURER'S CONTACT DETAILS

**Company Name:** Planika Sp. z o.o.  
**Address:** Bydgoska 38  
 86-061 Brzoza  
 Poland  
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