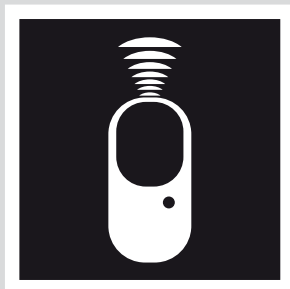


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falò

12 kW



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USER MANUAL AND ASSEMBLY INSTRUCTIONS

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TO OUR CUSTOMERS

We are glad you selected the Falò Heater made. Because this appliance contains features not found on any other patio heater, we recommend that you read this entire booklet before your first use. Keep it in a handy place as it has answers to questions that may occur during future use.

--- **WARNING**

If the information in this manual is not followed exactly, a fire or explosion may result causing property damage, personal injury or death.

--- **PRECAUTION**

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

--- **WARNING**

Improper installation, adjustment alteration, service or maintenance can cause property damage, injury or death. Read the installation, operating and maintenance instructions thoroughly before use, installing or servicing this equipment. For outdoor use only.

FOR YOUR SAFETY WHAT TO DO IF YOU SMELL GAS

- Shut off gas to the appliance.
- Extinguish any open flame.
- If odor continues, immediately call your gas supplier.

SAFETY PRACTICES & PRECAUTIONS

- Read and become familiar with the entire manual.
- Do not use in an explosive atmosphere, keep heater away from areas where gasoline or other flammable liquids or vapors are stored or used.
- Before each use check for damaged parts such as hoses, regulators, pilot or burner.
- Do not attempt to alter unit in any manner, ie: shorten post length, bypass safety valve or operate heater without the reflector.
- Heater must always be placed on a hard and level surface.
- Always maintain proper clearance to combustible materials. (Top 19" sides and rear 27").
- Never replace or substitute the regulator with any other regulator other than a factory suggested replacement.
- It is imperative that the control compartment, burners, and circulating air passageways of the heater must be kept clean. The heater should be inspected before each use, and at least annually by a qualified service person, for the presence of spiders, webs or other insects. The burner area is a common and desired spider haven. Spider webs can present a dangerous condition which can damage the heater and render it unsafe for use.

--- **CHECK THE HEATER IMMEDIATELY IF ANY OF THE FOLLOWING CONDITIONS EXIST**

- 1) The smell of gas.
 - 2) The heater does not reach temperature.
 - 3) The heater glow is excessively uneven.
 - 4) The burner makes popping noises during use. (a slight popping noise is normal when the burner is extinguished).
- Installation must be carried out in accordance with local regulations in force.
 - Do not clean heater with combustible or corrosive cleaners.
 - Do not use if wind velocity is greater than 10 miles per hour, because of flame out possibility.
 - To avoid the risk of burns or accidental clothing ignition, do not touch the heater anywhere.

Do not touch the burner assembly, glass tube or reflector shield until after the heater has cooled for approximately 20 minutes after use.

- Carefully monitor young children in the vicinity of any operating heater.
- Never connect an unregulated gas supply.
- Always ensure that there is ample fresh air ventilation. this unit is for outdoor use only.
- Do not hang clothing or any other flammable materials from, on, or near the heater.
- A minimum inlet pressure must not exceed 100 psi.
- The heater is shipped from the factory for LP use. never substitute gases.
- A minimum supply pressure of 11.2 in W.C. is required for the purpose of input adjustment.
- Do not paint either the emitter screen, valve panel or reflector.
- All leak tests should be done with a soap solution.
- Matches should never be used.

The LP tank must be turned off when the heater is not in use.

- Do not install unit in basements or below ground level.
- Avoid twisting the flexible tube. Regularly check the gas supply hose for wear, replace as necessary.
- Servicing must be carried out by a qualified technician.

IMPORTANT! DO NOT REMOVE THESE INSTRUCTIONS FROM APPLIANCE

GENERAL WARNING: Improper installation, adjustment, alteration, service or maintenance can use property damage, personal injury, or loss of life. Refer to the owner's information manual provided with this appliance. Installation and service must be performed by a qualified installer, service agency or the gas supplier.

IMPORTANT! This appliance must be installed in compliance with the Regulations, Laws and Standards applicable in the Country of use. Installation and use must be in conformity with the instructions provided by the Manufacturer. Refer to the instructions before installing and using the appliance.

IMPORTANT! Before making the connection, make sure the hose connector provided is in conformity with the Regulations applicable in the Country of use.

IMPORTANT! Before proceeding with assembly operations, make sure all the parts making up the appliance are suitable for the type of gas and pressures according to the Regulations applicable in the Country of use.

CAUTION: Hot while in operation. Do not touch. Keep children, clothing, furniture and flammable liquids or vapors away. Keep burner and control compartment clean. See installation and operating instructions accompanying appliance.

IMPORTANT! THIS APPLIANCE IS GAS FUELLED AND PARTS OF IT BECOME HEATED. CONSEQUENTLY, KEEP IT OUT OF REACH OF CHILDREN.

IMPORTANT! NEVER move the appliance with the burner still operating!

IMPORTANT! ALWAYS COMPLY WITH SAFETY DISTANCES FROM OBJECTS OR INFLAMMABLE MATERIALS.

IMPORTANT! Periodically check for gas leaks in pipes, connections and the gas/appliance connection using soapy water. Make sure there are NO leaks from the connections to tanks or gas distribution system.

FOR YOUR SAFETY READ BEFORE OPERATING

WARNING: if you do not follow these instructions exactly, a fire or explosion may result causing property damage, personal injury or loss of life.

A) This appliance have a pilot. It is equipped with an ignition device which automatically lights the burner. Do not try to light the burner by hand.

B) Before operating smell all around the appliance area for gas. Be sure to smell next to the floor because some gas is heavier than air and will settle on the floor.

What to do if you smell gas

- Do not try to light any appliance.
- Do not touch any electric switch; do not use any phone in the Falò heater proximity.
- Immediately call your gas supplier from a neighbor's phone. Follow the gas supplier's instructions.
- If you cannot reach your gas supplier, call the fire department.

C) Use only your hand to push in or turn the gas control knob. Never use tools. If the knob will not push in or turn by hand, don't try to repair it, call a qualified service technician. Force or attempted repair may result in a fire or explosion.

D) Do not use this appliance if any part has been under water. Immediately call a qualified service technician to inspect the appliance and to replace any part of the control system and any gas control which has been under water.

GAS TANK CONNECTION WARNING

Failure to follow these instructions may cause property damage, serious injury or death.

Before you use your Falò heater.

- 1 - Move the heater to an open area. See owners manual.
- 2 - Make sure tank valve is in its full off position.
- 3 - Check tank valve features to ensure it has proper external mating threads (tank valve marked: use with type1).
- 4 - Make sure all burner valves are in their off positions.
- 5 - Inspect valve connection port, hose integrity, every connection points and regulator assembly. Look for any damage or debris. Remove any debris. Inspect hose for damage. Never attempt to use damage or plugged equipment. See your local LP gas dealer for repairs.
- 6 - When connecting regulator assembly to the valve, hand tighten nut to a positive stop. DO NOT use a wrench to tighten. Use of a wrench may damage quick closing coupling nut and result in a hazardous condition.
- 7 - Open tank valve fully. Use a soapy water solution to check all connections for leaks before attempting to light the heater. If a leak is found, turn tank valve off and do not use grill until repairs can be made by a local LP gas dealer. DO NOT attempt to make repairs yourself.
- 8 - Never attempt to use Falò heater or any components that have been damaged or exposed to an accidental fire.

OPERATING INSTRUCTIONS

1 – STOP! Read the safety information above on this label.

2 – Never attempt to use Falò heater or any components that have been damaged or exposed to an accidental fire.



3 – Turn off the gas supply to the unit by turning off the gas tap.

4 – Wait at least five (5) minutes to clear out any gas. If you then smell gas, STOP! Follow “B” in the safety information above on this label. If you don’t smell gas, go to next step.

5 – This appliance is equipped with an ignition device which automatically lights the burner. Do not try to light the burner by hand.

6 – Flame Lighting / flame shutt off:

7 – Flame Lighting with remote control:


- Push the red button Power  on the remote control or  on the control unit for gas supply to the Falò heater. The appliance start always at the MAX power!

The red lamp will be alight for aproximately max 25 seconds, then the flame will alight. The red lamp will shut off and the green one will alight.

- Set the flame to desired setting.

- If you prefer soft heating (lower flame), push the button arrow Down in MED and MIN position.

- If you choose to return in the high heat output (higher flame); push the button arrow UP in MED and HIGH position.

- flame shutt off: press again the red button Power  on the remote control, the flame shut down and the gas will be closed.

8 – Flame Lighting on the control unit:

- Push the button Power  the control unit;

The red lamp will be alight for aproximately max 25 seconds, then the flame will alight. The red lamp will shut off and the green one will alight.

- If you prefer soft heating (lower flame), push again one times the button Power to MED and two times to the MIN position.

9 – If the appliance will not operate, follow the instructions “To turn off gas to appliance” and call your service technician or gas supplier.

10 – This appliance has an automatic flame control system. When the flame is alight, the green lamp is alight. In case of flame fault, the green lamp will turn off and the red lamp will alight for some seconds. If this occurs, proceed as follows:


- Wait ten (10) seconds;

- Repeat Flame Lighting instruction point 7 or point 8 max two times;


The appliance will perform new lighting attempts. If this new lighting attempts are unsuccessful, turn off tank tap to the appliance and call your Service Agency.

TO TURN OFF GAS TO APPLIANCE

1a – flame shutt off on the remote control:

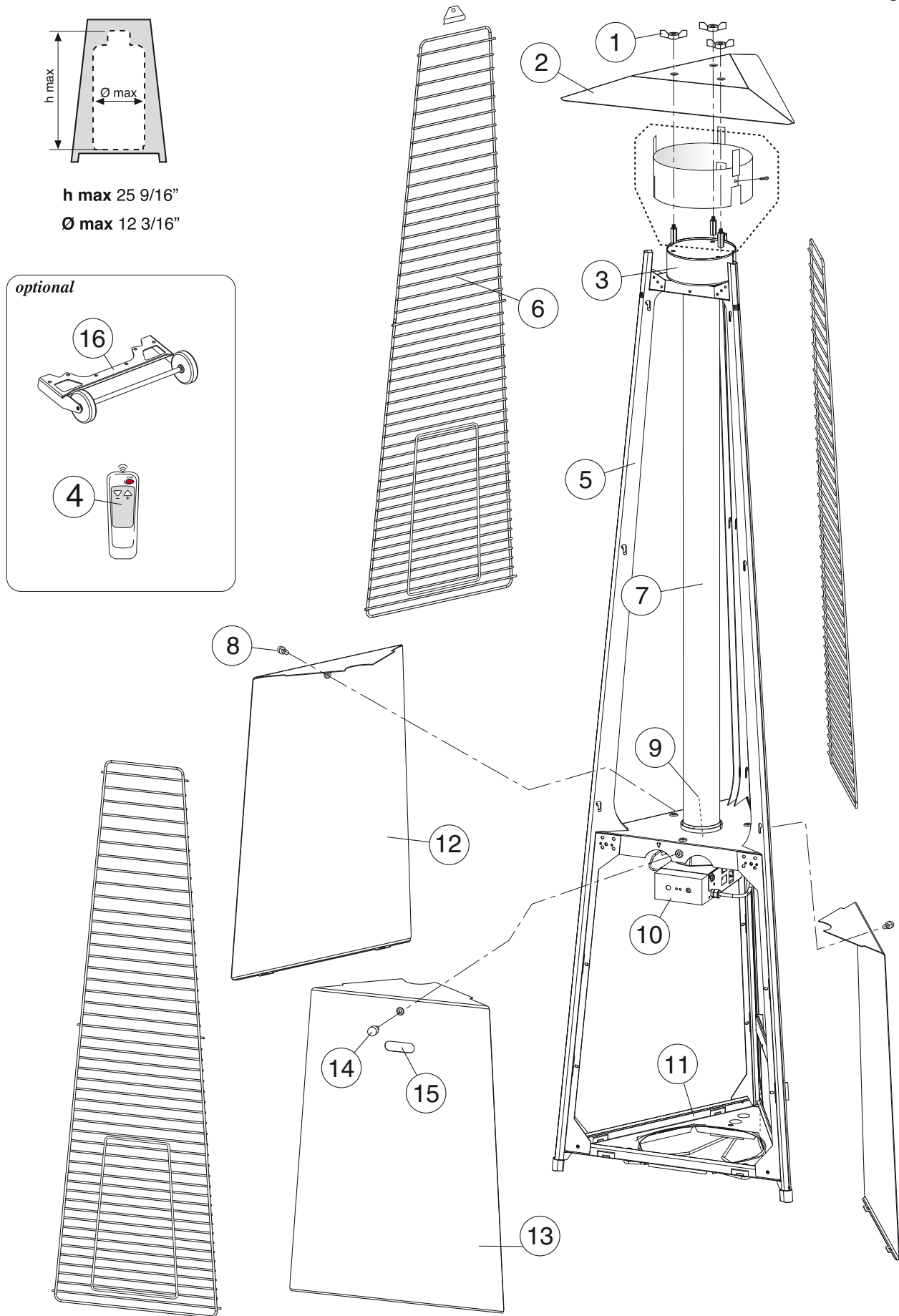
- press new one the red button Power  on the remote control or , the flame shut down and the gas will be closed.

1b – flame shutt off on the control unit:

Push the button Power  the control unit the flame shut down and the gas will be closed.

2 – Turn the gas tap installed on the gas supply to the closed position.

Fig.1



KEY: 1) fastening knob, 2) cover dish, 3) exchanger head, 4) SMALL remote control, 5) structure upright, 6) protection grid, 7) glass pipe, 8) retention screw, 9) burner, 10) control unit (remote control Mod.), 11) tank support base, 12) side panel, 13) control cover panel, 14) fastening knob, 15) control unit display slot (remote control Mod.), 16) trolley (optional).

PARTS LIST: tools recommended for fitting and/or maintenance (not supplied by the Manufacturer)




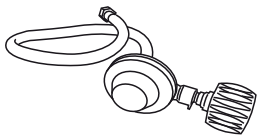




FASTENER DIRECTORY			
<i>item</i>	<i>pictorial</i>	<i>description</i>	<i>Q.ty</i>
1		Soft brush for cleaning the glass pipe	1
2	 	Phillips-head screwdriver	1
3		LPG pressure regulator	1
4		11/16 fixed wrench for regulator	1
5		5/16 fixed wrench	1
6		scratchproof soft cloth for outside cleaning	1
7		protection gloves for assembly	1

Fig.2



Fig.3

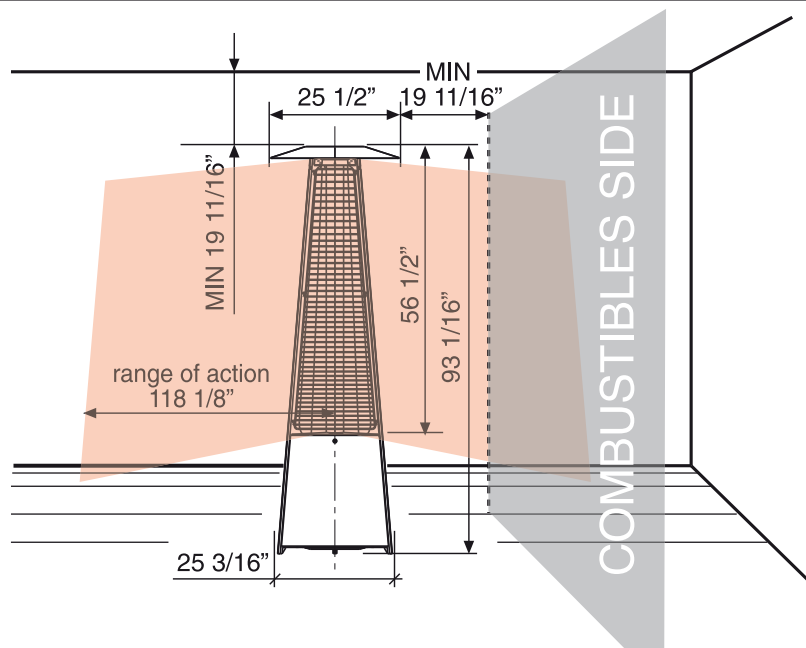
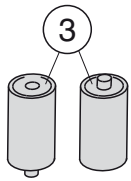
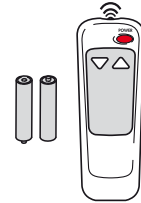
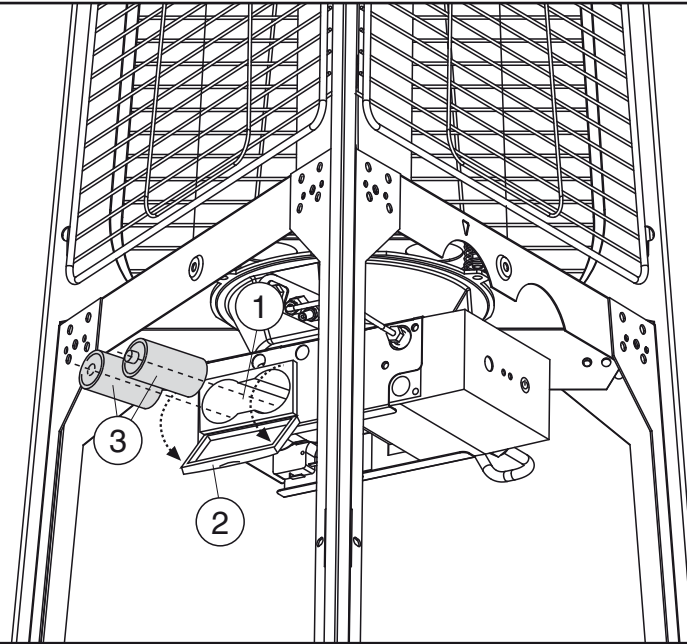


Fig.4

- 1 - compartment
- 2 - cover
- 3 - battery

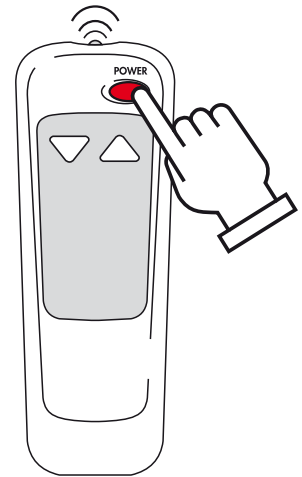


1,5Volt
D



1,5Volt
AAA

Fig.5



- 1 - on/max/med/min/off knob
- 2 - red led (on)
- 3 - green led
- 4 - infra-red receiver

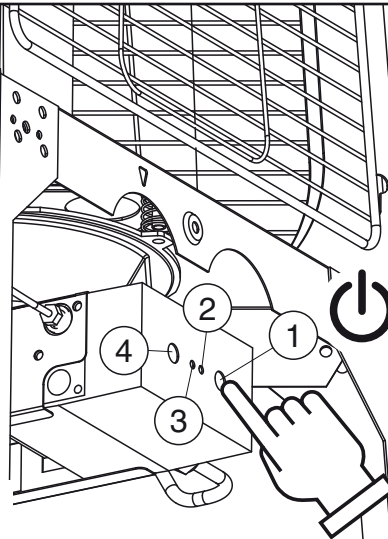


Fig.6

- 1 - retention screws
- 2 - burner drawer
- 3 - burner screw
- 4 - burner
- 5 - nozzle
- 7 - battery cover
- 11 - pilot set
- 12 - gas connection
- 13 - on/max/med/min/off knob
- 14 - red led (on)
- 15 - green led
- 16 - infra-red receiver

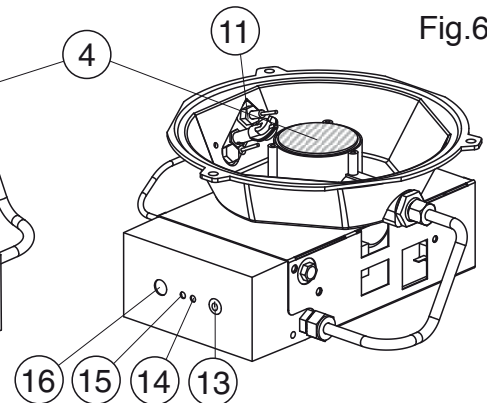
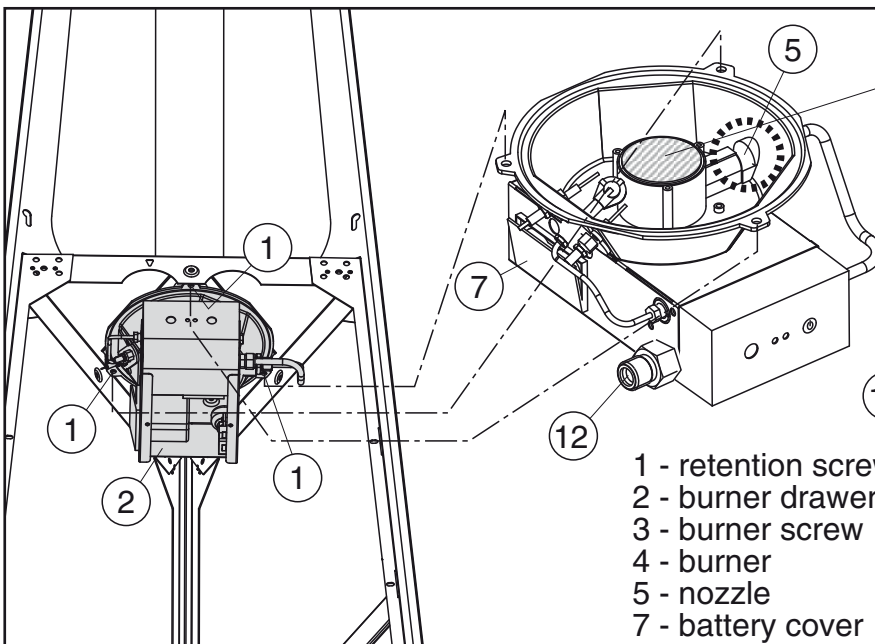


Fig.7

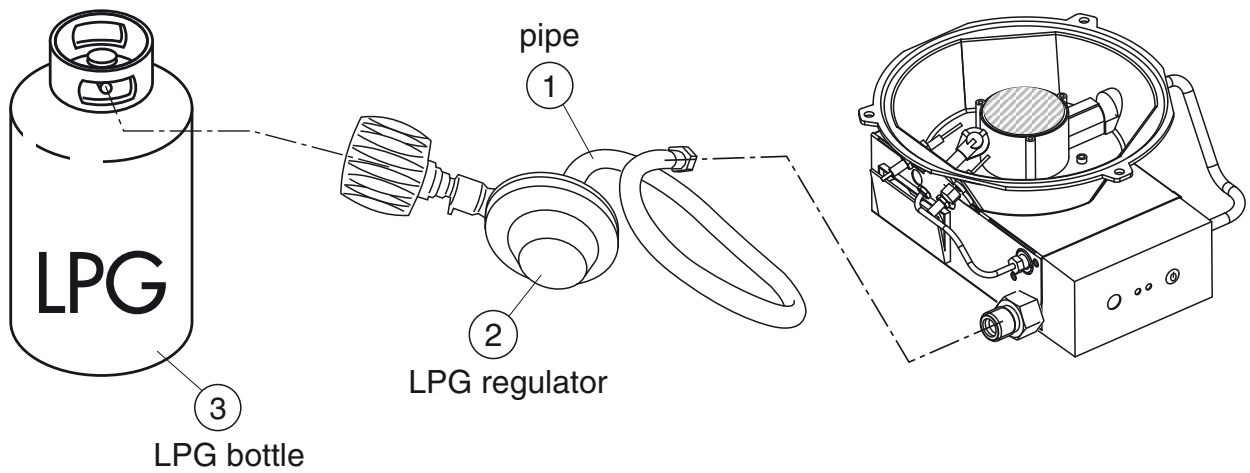


Fig.8

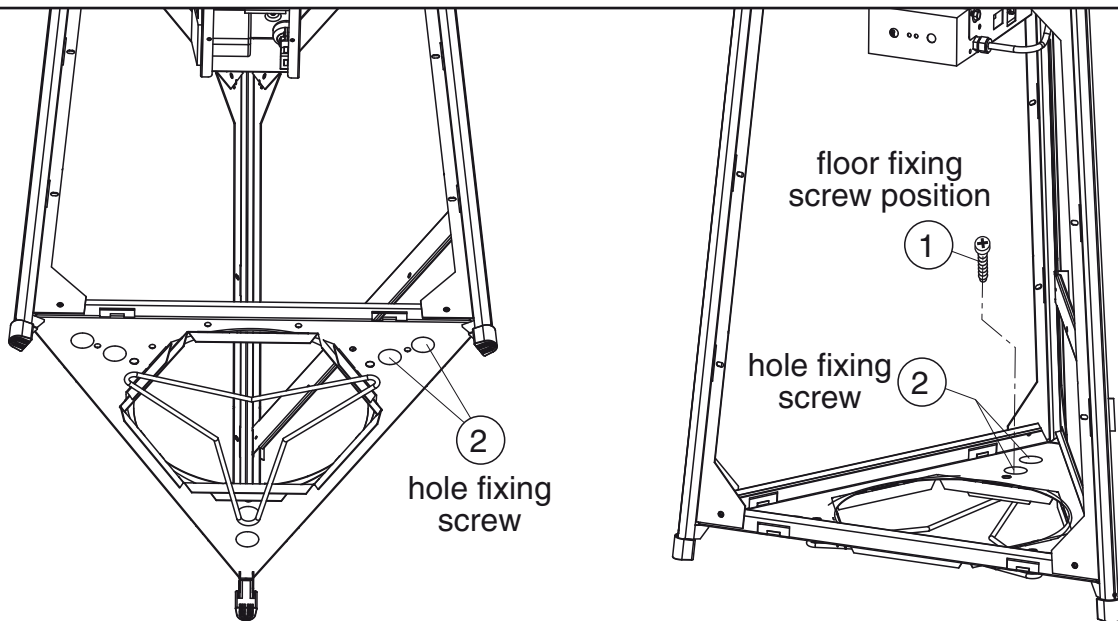
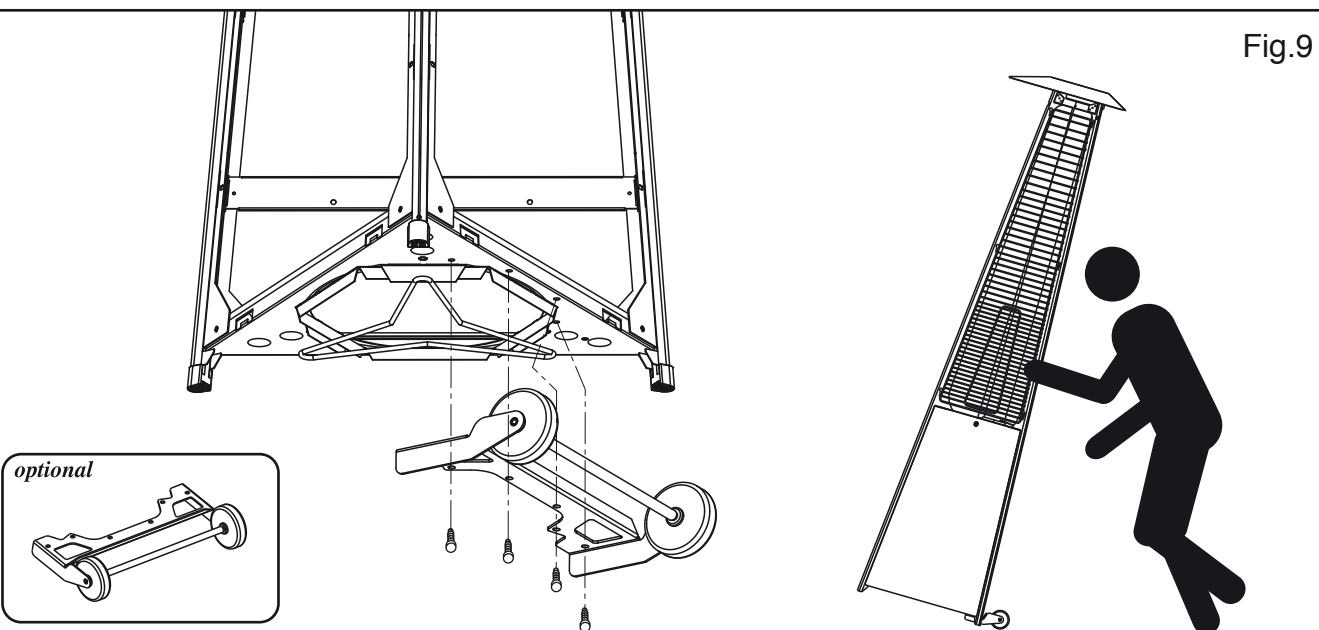
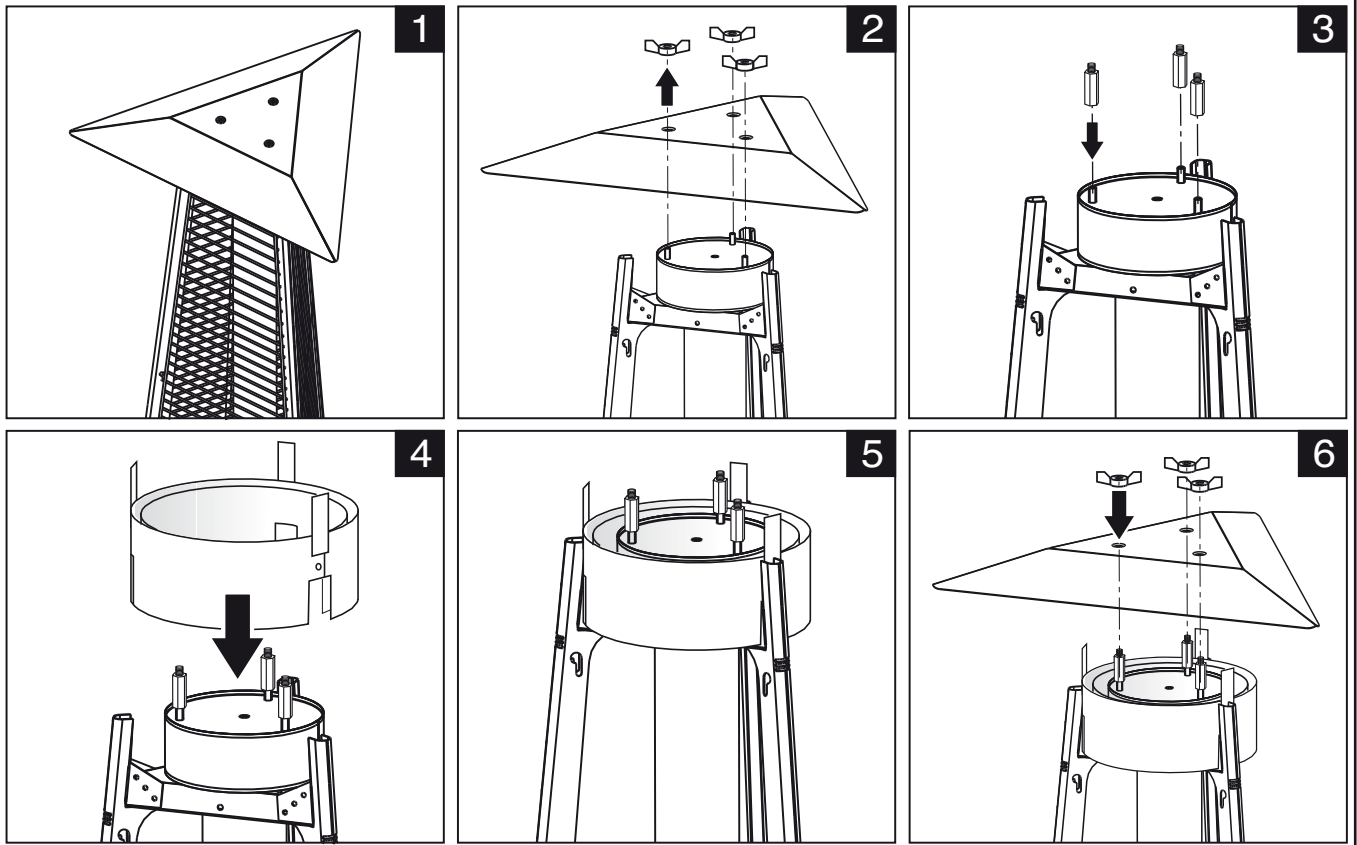


Fig.9



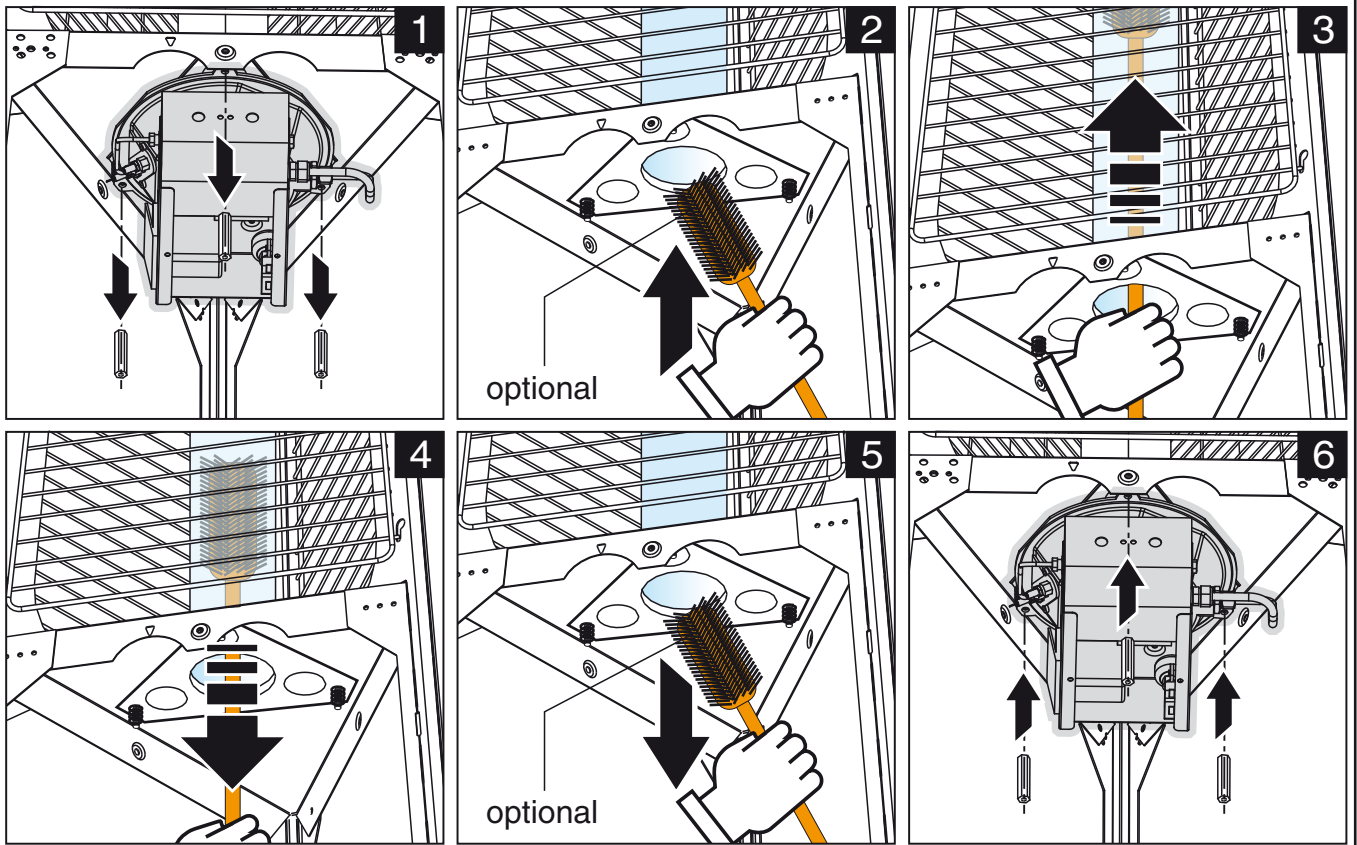
REFLECTOR KIT ASSEMBLY

Fig.10

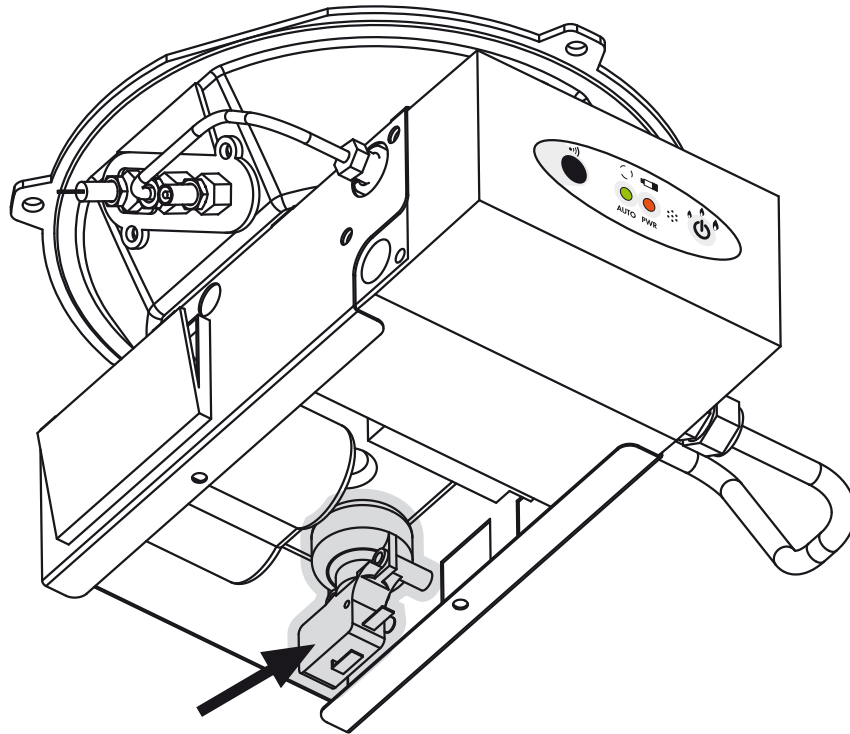


TUBE MAINTENANCE

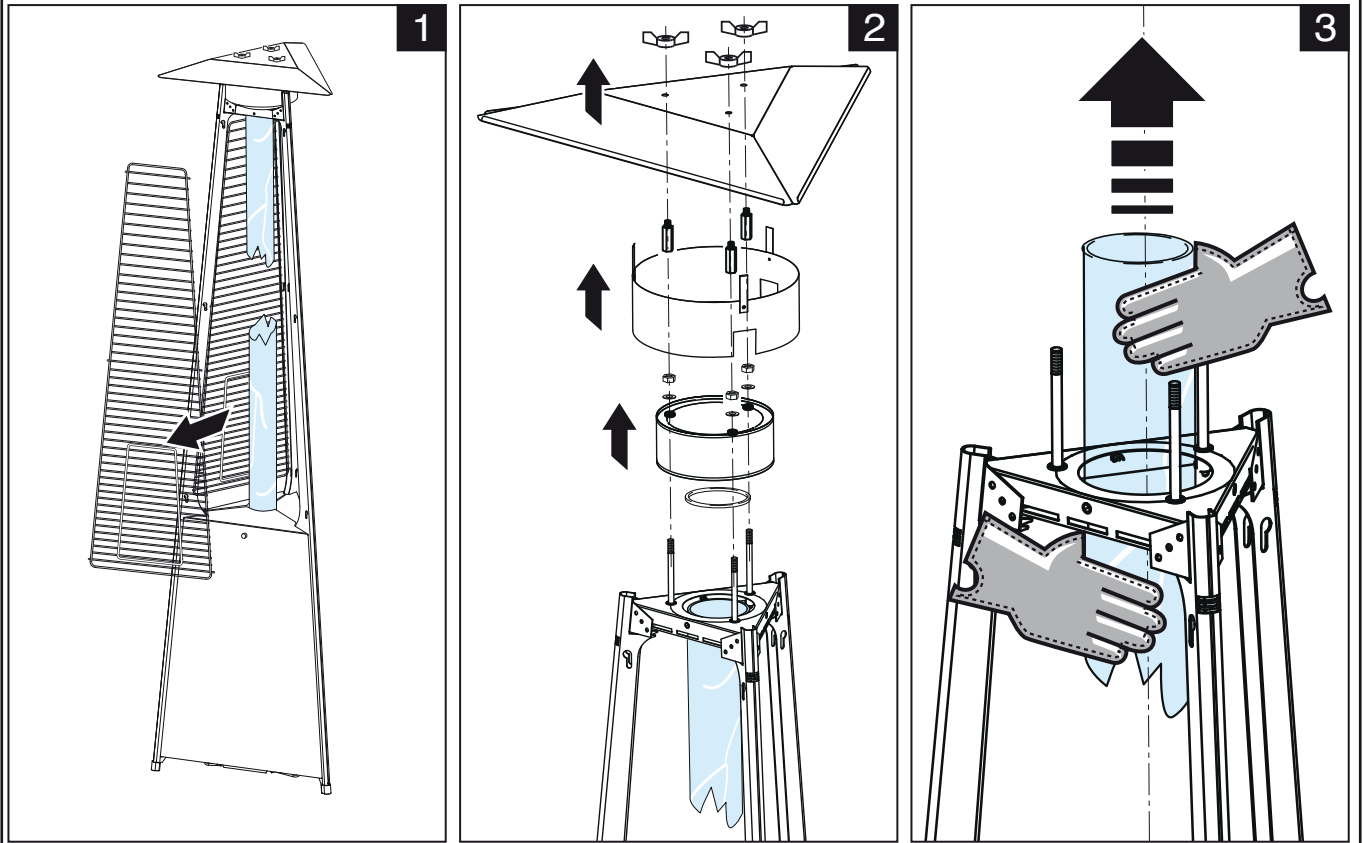
Fig.11



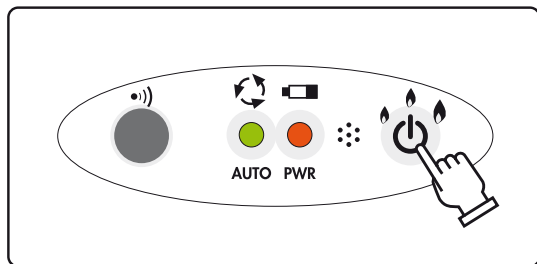
DUNP-SWITCH SAFETY DEVICE (when mounted)



REPLACING BROKEN PIPE



control unit

















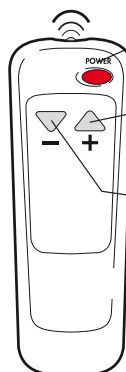
on MAX  
 MED   + 
 MIN   +  + 
 off   +  +  + 

Fig.12

remote control



On/Off

MIN 
 MED 
 MAX 

MAX 
 MED 
 MIN 

A	B	C	D	E	F	G	H	I	L	M	N	O	P	Q
							kW	kW	lb/h	Ø "	Ø "	inch water	inch water	
USA	SUN FOX	FALO' remote PERFORMANT	L.P.G.	A1	-	-	12,0 (Hs)	5,2 (Hs)	G30: 1,922 G31: 1,892	0,07795 - (198 1/100)	-	11,0	11,0	USA

AT= Österreich, BE= Belgien, DE= Deutschland, ES= España, IT= Italia, DK= Danmark, FI= Finland, GR= Greece, IS= Island, LU= Luxembourg, NL= Holland, NO= Noruega, PT= Portugal, SE= Sverige, CZ= Česko, EE= Eesti Vab, HU= Magyar Köz, LT= Lietuva, LV= Latvija, PL= Polska, RO= România, SK= Slovensko, SI= Slovenija, TR= Türkiye, BG= Bulgaria, CY= Cyprus.

● SI YES JA OUI DA ANO

○ NO NEIN NEIN NON NE

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LEGENDA colonne: - Columnnes explication

A...Q: sigla paese - land identification - désignation du pays - landesbezeichnung - indicação do país - land van bestemming - määramaa - bestemmelsesland - bestemmelsesland - pais de destino
B: serie apparecchio - appliance serial- série de l'appareil- serie des geräts - série aparelho - serie aparato - merk - merkki - merke - mærke - marka
C: modello apparecchio - appliance model - serie aparato - modell des geräts - modelo aparelho - modelo aparato - model - mall - model - modelo
D: categoria gas - gas categories - type de gaz - gaskategorie - categoria de gás - categoria de gas - gascategorie - kaasukategoria - gasskategorie - gaskategori - categoria de gás
E: tipo apparecchio - appliance type - type d'appareil - typ des geräts - tipo do aparelho - versión aparato - besteltype - laitetyyppi - type apparat - type apparat - tipo de aparelho
F: matricola apparecchio - appliance code - code appareil - kode geräts - código aparelho - aparato código - seriennummer - sarjanumero - seriennummer - seriennummer - número de série
G: numero codice pin - nip number - numéro de code pin - pin-kodenummer - número de código pin - número de codificación pin - pin code - pin-koodi - pin-kode - pin-kode - código pin
H: portata termica nominale - nominal heat input - débit calorifique nominal - nennbelastung - carga nominal - carga nomina - nominale belasting - nimelliskuormitus - nominell belastning - nominel belastning - carga nominal
I: portata termica ridotta - reduced heat input - débit calorifique minimal - mindestbelastung - carga mínima - carga mínima - minimum belasting - vähimmäiskuormitus - minimumsbelastning - minimumsbelastning - carga mínima
L: consumo orario gas - gas consuption - consommation de gaz - gasverbrauch - consumo de gás - consumo de gas - consumptie - kulutus - forbruk - forbrug - consumo
M: diametro ugello - injector diameter - diamètre du gicleur - durchmesser einspritzdüse - diâmetro do injector - diâmetro inyector - diameter inspuiter - ruiskkeen läpimitta - diameter innsprøyter - diameter indsprøjtter - diâmetro do injector
N: diametro diaframma - diaphragme diameter - diamètre du diaphragme - è durchmesser blende - diâmetro do diafragma - diâmetro diafragma - diameter diafragma - välkalvon läpimitta - diameter diafragma - diameter diafragma - diâmetro do diafragma
O: press. alim. BUTANO G30 - inlet gas pressure BUTANE G30 - pression de gaz entrante BUTANE G30 - Eintrittsgasdruck Butan G30 - pressão do gás de entrada BUTANO G30 - presión gas entrante BUTANO G30 - Gasdruk inlaat Butaan G30 - Butaani G30:n syötön kaasupaine - Gasstrykk inntak butan G30 - Gastryk indtag butan G30 - Pressão de gás à entrada Butano G30
P: press. alim. PROPANO G31 - inlet gas pressure PROPANE G31 - pression de gaz entrante PROPANE G31 - Eintrittsgasdruck Propan G31 - pressão do gás de entrada - PROPANO G31 - presión gas entrante PROPANO G31 - Gasdruk inlaat Propaan G31 - Propaani G31:n syötön kaasupaine - Gasstrykk inntak propan G31 - Gastryk indtag propan G31 - Pressão de gás à entrada Propano G31

Tab. 1

CAREFULLY LOOK AFTER THIS BOOKLET FOR THE ENTIRE LIFE OF THE APPLIANCE AND REQUEST A NEW ONE IN CASE OF DAMAGE OR LOSS!

IMPORTANT! SHOULD THE PARTS BE DAMAGED, DO NOT GO AHEAD WITH ASSEMBLY!

IMPORTANT! This appliance must be installed in compliance with the Regulations, Laws and Standards applicable in the Country of use. Installation and use must be in conformity with the instructions provided by the Manufacturer. Refer to the instructions before installing and using the appliance.

IMPORTANT! ALL the maintenance, repair or modification operations **MUST** be performed by professionally qualified and certified personnel and always using the Manufacturer's original spare parts.

IMPORTANT! This gas-fuelled appliance is a heat generator intended only for the use for which it was designed and certified, **or as an appliance for heating open, ventilated outdoor environments. All other uses are to be deemed improper and therefore hazardous.** The Manufacturer disclaims all liability for any injury to persons or animals or damage to things caused by improper use.

IMPORTANT! OPERATION IN CLOSED ENVIRONMENTS IS FORBIDDEN: OFFICES, INSIDE HOMES, STABLES, ANIMAL FARMS, PLACES NEAR GAS VAPOURS OR POTENTIALLY INFLAMMABLE DUSTS AND/OR EXPLOSIVES, ETC.

IMPORTANT! Carefully follow ALL the instructions and precautions indicated in this booklet (concerning **INSTALLATION, USE and MAINTENANCE**). Failure to abide by these instructions could cause malfunctions and or endanger people, animal and things.

IMPORTANT! THIS APPLIANCE IS GAS FUELLED AND PARTS OF IT BECOME HEATED. CONSEQUENTLY, KEEP IT OUT OF REACH OF CHILDREN.

IMPORTANT! NEVER move the appliance with the burner still operating.

IMPORTANT! ALWAYS COMPLY WITH SAFETY DISTANCES FROM OBJECTS OR INFLAMMABLE MATERIALS(Fig. 3).

IMPORTANT! TO ASSEMBLE AND USE, ABIDE BY THE FIRE-FIGHTING AND ACCIDENT-PREVENTION REGULATIONS OF THE COUNTRY WHERE THE APPLIANCE IS USED.

IMPORTANT! DO NOT use the appliance set for LPG in basements or cellars.

IMPORTANT! The appliance made to use LPG, CANNOT be fed with or modified to use natural gas and vice versa.

IMPORTANT! MODIFYING the appliance is absolutely forbidden except **ONLY** in those cases indicated and authorised by the Manufacturer.

IMPORTANT! Fit the gas pressure regulator on the cylinder (fixed-setting type) in conformity with the TECHNICAL DATA and GAS SETTING plates on the appliance (Tab. 1 or 2).

IMPORTANT! Every time the cylinder is changed and periodically, using soapy water or equivalent, make sure there are **NO** gas leaks from the pipes, from the cylinder connections, gas distribution connections and gas connection with the appliance. Replace the seal every time the cylinder is changed and periodically check the state of wear, efficiency, tube expiry data and all the connections.

IMPORTANT! Before making the connection, make sure the hose connector provided is in conformity with the Regulations applicable in the Country of use.

IMPORTANT! Before proceeding with assembly operations, make sure all the parts making up the appliance are suitable for the type of gas and pressures according to the Regulations applicable in the Country of use.

GENERAL DESCRIPTION

The appliance is very simple to use and built according to CE safety standards. It has been tested, approved and controlled by the Notified Approval Institute to which the Manufacturer has always entrusted most of its certifications in the gas industry.

Types of installation:

- MOBILE, with the base free of restraints using the trolley (optional), with LPG fuel only (tank).

ASSEMBLY

Take all the parts making up the appliance out of the packaging, with special care given to the burner unit (Fig. 1: 3, 7, 9).

Check the integrity and the conformity of the contents of the packaging (the latter must be disposed of according to applicable regulations):

- Mod. FALO' with Remote Control

- Appliance with carrying structure and special-glass pipe;
- Hose connection (make sure this complies with applicable regulations);
- Cover dish;
- US english instruction booklet;
- Warranty Certificate.

IMPORTANT! Always wear individual hand protection during appliance assembly and positioning. Use the special accessory for moving (Fig. 1:16) to prevent cuts and burns.

ASSEMBLY OPERATIONS (MOBILE type with LPG tank):

Before starting assembly operations, remove any guards.

1 – Delicately place the structure on the ground and fit the cover dish (Fig. 1: 2).

2 – Remove the side panels (Fig. 1: 12, 13) and position the tank on the base plate (Fig. 1: 11).

3 – Fit the gas pressure regulator on the cylinder (fixed-setting type) in conformity with the TECHNICAL DATA and GAS SETTING plates on the appliance (Tab. 1 or 2).

4 – Purchase the connector and the rubber connection hose separately. These must be of the type and materials required by the Regulations of the Country of use (if those already provided do NOT conform).

The threaded end part, meaning the adapter permits various kinds of connections.

IMPORTANT! NEVER rest the top end of the appliance on the ground, especially when the cover dish is fitted to avoid damaging the gas seals, the glass pipe or obstructing the gas pipe.

5 – Connect the gas supply pipe to the bottom part of the connection (already fitted) (Fig. 6: 12).

6 – Make sure the type of gas and the supply pressure correspond to those on the plate (see Table), if necessary fit a pressure reducer/regulator (NOT supplied).

IMPORTANT! MAKE SURE THE SUPPLY PIPE AND GAS CONNECTOR COMPLY WITH THE STANDARDS REQUIRED BY THE COUNTRY OF USE.

7 – Connect the gas supply pipe to the lower part of the connector (already fitted) (Fig. 6: 12).

Fitting the battery (for electronic Pilot ignition):

1 – remove the tank cover side panel (Fig. 1: 12) by loosening the screw (Fig. 1: 8);

2 – after locating the battery cylinder (Fig. 4: 1), remove the cover (Fig. 4: 2) and fit the battery Type AA (Fig. 4: 3) respecting the right polarity.

3 – fit everything back correctly in the opposite sequence.

START-UP

IMPORTANT! Remove all the protective films if fitted.

IMPORTANT! Use LPG tanks taking into account the size of the tank compartment (Fig. 1: 11).

IMPORTANT! To prevent any blaze-ups due to gas accumulation, allow 1 or 2 minutes to pass before repeating the ignition procedure.

NOTE: when first igniting, due to the air in the pipes, the pilot flame tends to go out. Wait a while before attempting to ignite again (at most 2 or 3 times) until the flame stabilises! If the fault continues, try and identify the cause, see Troubleshooting Section.

- If the pilot should accidentally go out, the incorporated safety device will automatically interrupt the gas supply.

- If the flame goes out for want of gas, the gas flow is interrupted (for example when the gas cylinder is empty).

- In both cases, you must wait a few minutes before restarting the heater. Then repeat the operations mentioned in points 1 and 2.

- Do not try to restart the heater time and again; if the heater does not work, you should check whether ALL operations have been carried out correctly.

IMPORTANT! NEVER start the appliance without first fitting the cover dish and fully completing assembly. The burner unit and the glass pipe must **NEVER be covered or partially covered**.

IMPORTANT! DO NOT cover the appliance .

IMPORTANT! Protect the appliance against knocks. Always place the appliance on fairly flat surfaces to prevent it overturning (gradient < 10°) and on non-flammable surfaces.

IMPORTANT! WHEN FIRST STARTED – IN THE OPEN AIR OR WELL-VENTILATED ENVIRONMENT – THE APPLIANCE COULD GIVE OFF VAPOURS OR SMELLS FOR A SHORT TIME.

Ignition – REMOTE CONTROL mod.

Regulation sequence, by pressing the button on the remote control or directly on the control unit: ON, MAX, MEDIUM, MIN and OFF.

1 – Keep the ON/OFF button on the control unit (Fig. 5) pressed for about 4" until ignition occurs. Once ignited, every time the ON/OFF button is pressed the appliance switches from MAX to MEDIUM to MIN flame and finally OFF.

IMPORTANT! This ignition delay is not a "fault" in the electronic control unit but has been purposely designed by the Manufacturer to ensure appliance safety and prevent accidental ignition.

IMPORTANT! If the pilot flame goes out, accidentally or due to lack of gas, the gas supply will be automatically interrupted by means of the installed safety device.

IMPORTANT! Avoid repeated ignition attempts: if the appliance does not operate immediately, make sure ALL the installation operations have been performed correctly.

IMPORTANT! During operation and also after switch off, DO NOT TOUCH the protection grilles, the burner unit, the glass pipe and the cover dish. These are hot and could cause burns.

Power adjustment can also be made during appliance operation:

- REMOTE CONTROL mod. (Fig. 5), by means of the remote control and with the button located on the control unit.

IMPORTANT! If the appliance is fuelled by LPG only in the open air and with temperatures below 2°C.

SWITCHING OFF

– REMOTE CONTROL Mod.:

1 – Press the ON/OFF button on the remote control (Fig. 5) or on the control unit on board the appliance (Fig. 5).

2 – Remove the side cover (Fig. 1: 12 - 13) and close the gas supply tap.

IMPORTANT! IF THE APPLIANCE IS NOT USED FOR A LONG PERIOD, REMOVE THE IGNITION BATTERIES (Fig. 4: 3), OF THE REMOTE CONTROL AND OF THE REMOTE CONTROL UNIT (Fig. 4) FROM THEIR HOUSING, TO PREVENT CORROSIVE LIQUID LEAKING OUT AND CAUSING DAMAGE.

MAINTENANCE

IMPORTANT! BEFORE PERFORMING ANY TYPE OF MAINTENANCE, MAKE SURE THE GAS SUPPLY TAP AND/OR BURNER SUPPLY TAP ARE CLOSED.

Maintenance concerns:

Cleaning the inside of the glass pipes: use a non-metal pipe-brush (optional) to remove traces of dirt and/or soot if needed.

IMPORTANT! Dry clean with a soft cloth. The use of liquid products could create deposits and/or encrustations that are hard to eliminate.

- Cleaning the outside of the appliance (use a soft cloth and neutral cleaning products and avoid pouring these directly on the part to be cleaned).
- Control or replacement of the rubber gas hose (max L = 59 1/16"), whenever damaged and according to the schedule provided by Laws and Standards applicable in the Country of use.
- Checking the integrity of all the parts making up the appliance; in case of wear or breakage, only replace with the Manufacturer's original spare parts.
- replacing batteries for electronic ignition (Fig. 4: 3) or in the Remote Control unit (Fig. 4).

NOZZLE REPLACEMENT (by professionally qualified personnel)

- 1 – Remove the tank cover side panel (Fig. 1: 13);
- 2 – Loosen the retention screws (Fig. 6: 1) of the tap and burner drawer (Fig. 6: 2).
- 3 – The burner (Fig. 6: 4) and move the burner unit so as to make the nozzle accessible.
- 4 – locate the nozzle (Fig. 6: 5), unscrew it delicately from its housing, and replace it, being VERY CAREFUL NOT TO DAMAGE THE THREADED PARTS.
- 5 – Fit the new nozzle back on (always for the same type of gas) and delicately fully tighten.
- 6 – Fit everything back on in the reverse sequence.

IMPORTANT! The appliance MUST NOT under any circumstances, be transformed from Natural Gas to LPG or vice versa. Any attempt at transformation is hazardous and the Manufacturer disclaims all liability in the event of any injury to persons or damage to things deriving from this operation or any other tampering. The appliance must therefore ONLY be assembled by the Manufacturer and ordered by the user directly for the type of gas to be used to fuel it.

STORAGE

If the appliance is not used for a long time (change of season or other reasons), follow the instructions below:

- Store the appliance in a dry place, protected against any possible damage.
- ALWAYS cover the burner unit and base to avoid obstructions (cobwebs, dust) or damage (denting, weather conditions, etc.).

IMPORTANT! NEVER store the appliance together with one or more gas tanks. These must always be kept in outside premises and in conformity with the Law and Regulations applicable in the Country of use.

WARRANTY

Your appliance is covered by a one-year warranty starting on the day of purchase.

The warranty covers all manufacturing faults except those caused by use of the appliance in a way different to that specified and intended by the Manufacturer.

The warranty starts on the date indicated on the purchase and cash receipt.

This appliance is not intended for professional uses.

Wear, corrosion, any deformation, decolouring or burnishing (especially of aluminium, satin-finish parts or the glass pipe) due to contact with the flame and continuous heat radiation are to be considered normal and under no circumstances can be considered manufacturing defects.

These are caused by normal wear and tear.

It is also normal, after prolonged use, **for worn parts to be replaced ALWAYS using the Manufacturer's original spare parts and having maintenance/repairs done by professionally-qualified personnel authorised by the Manufacturer.**

TROUBLESHOOTING: with remote control.

* *Glass pipe breakage*

The technical features of the glass pipe are particular and such as to permit resistance to thermal shocks caused by normal temperature fluctuations, rain or damp.

Despite the choice of this material (Borosilicate), sudden pipe breakages can occur as a result of particular weather conditions and/or excessively concentrated temperature fluctuations.

IMPORTANT! This pipe breakage (crack) does not cause injury to people or damage to things in the immediate vicinity of the appliance.

IMPORTANT! Any pipe breakage does not, in the short term, prevent the appliance from operating, but being a damaged part, it must be replaced to ensure correct operation.

TROUBLESHOOTING: with remote control.

FAULT	CAUSE	REMEDY
No flame	<ol style="list-style-type: none"> 1-Not enough gas supply (bad LPG gasification or dirt in system) or pressure regulator not set properly or faulty. 2-No gas flow (tank empty or interruption in supply) or pressure regulator faulty. 3-Sudden gust of wind (above 3 m/s) with gas tank panels removed. 4-Dirt in gas circuit. 5-Gas leaks. 6-cylinder connection, air in pipe 	<ol style="list-style-type: none"> 1-Clean, set / replace. 2-Check / replace. 3-Replace panels. 4-Check / clean. 5-Check/tighten connections/replace seals or pipes. 6-repeat ignition to eliminate air.
When ignited the appliance does not work, The POWER indicator does not come on.	<ol style="list-style-type: none"> 1-Battery charge too low, battery pack faulty (B1) or poles loose. 2-Infra-red receiver (D) covered. 3-The POWER button of the remote control has not been pressed for 2 seconds. 4-Remote control faulty or batteries low. 5-Connection cables between front and rear control boards loose or faulty. 6-Control boards faulty. 7-Dump-switch failure or the floor with inclination greater than 15°. 	<ol style="list-style-type: none"> 1-Replace batteries, tighten poles 2-Make hole for receiver. 3-Press POWER for 2 seconds, release and press again. 4-Replace Remote Control or Batteries 5-Remedy or replace. 6-Replace. 7-Replace, change position (floor with inclination less than 15°).
No spark when the appliance is started.	<ol style="list-style-type: none"> 1-Distance between the ignition device (HV1) and the earth connection or the distance between the electrodes (HD) is excessive. 2-The ceramic part of the ignition device (HV1) is broken or faulty. 3-High-voltage cable loose, broken or short-circuited. 4-No earth connection in pilot set. 5-Rear control board faulty. 	<ol style="list-style-type: none"> 1-Regulate the distance to 4 __ 0.5 mm. (The cable resistance must be connected close to the ignition device). 2-Replace the ceramic part. 3-Repair or replace. 4-Make earth connection. 5-Replace.
Spark ok but pilot flame does not come on.	<ol style="list-style-type: none"> 1-No gas supply. 2-Connection faulty between front and rear connection boards or power cables loose. 3-Pilot injector blocked. 4-Rear control board faulty. 5-Valves G1 and G2 faulty. 	<ol style="list-style-type: none"> 1-Check. 2-Reposition or replace cables. 3-Check or replace. Nozzle diameter: LPG: 0.35 mm; NATURAL GAS: 0.55 mm. 4-Replace. 5-Replace.
Pilot flame on, sparks continue without stop (no flame detection).	<ol style="list-style-type: none"> 1-Flame sensor cables (S) and ignition device (HV) switched over or loose. 2-Flame sensor (S1) and earth short circuited. 3-Flame sensor (S1) fails to detect flame. 4-Pilot flame burns inside pilot pipe. 5-Rear control board faulty. 	<ol style="list-style-type: none"> 1-Put right. 2-Restore correct position. 3-Restore correct position. 4-Replace. 5-Replace.
Pilot flame on, the main burner does not come on.	<ol style="list-style-type: none"> 1-Cables faulty or terminals loosened. 2-Main burner nozzle blocked. 3-"M" and "L" valves faulty. 4-Front and rear control boards faulty. 5-Faulty remote control. 	<ol style="list-style-type: none"> 1-Repair or replace. 2-Check gas pressure, replace pilot set or perforate injector again. 3-Check gas pressure, replace "M" and "L" valves. 4-Replace. 5-Replace.
The low flame comes on; the medium flame does not.	<ol style="list-style-type: none"> 1-Cables faulty or terminals loose. 2-"M" valve faulty or "M" valve nozzle blocked. 3-Front control board faulty. 4-Faulty remote control. 	<ol style="list-style-type: none"> 1-Repair or replace. 2-Replace. 3-Replace. 4-Replace.
The medium flame comes on; the low flame does not.	<ol style="list-style-type: none"> 1-Cables faulty or terminals loose. 2-"L" valve faulty or "L" valve nozzle blocked. 3-Front control board faulty. 4-Remote control faulty. 	<ol style="list-style-type: none"> 1-Repair or replace. 2-Replace. 3-Replace. 4-Replace.
During the ignition cycles, the appliance does not go off in 25 seconds.	<ol style="list-style-type: none"> 1-Front control board faulty. 	<ol style="list-style-type: none"> 1-Replace.
The remote control battery is down.	<ol style="list-style-type: none"> 1-The battery is failing. 	<ol style="list-style-type: none"> 1-Replace.
Blackening of glass pipe	<ol style="list-style-type: none"> 1-poor quality gas or gas unsuitable for winter 2-bad draught. 3-mains cylinder (optional) out of position/deformed. 4-exchanger head dirty/damaged. 5-burner dirty/damaged. 	<ol style="list-style-type: none"> 1-use quality gas, preferably pure propane. 2-particularly windy or no wind-protection KIT. 3-reposition/replace/eliminate. 4-clean/replace. 5-clean/replace.
Glass pipe breakage	<ul style="list-style-type: none"> - excessive thermal shock due to particular weather conditions. - cleaning with unsuitable instruments. - accidental fall of appliance. 	<ul style="list-style-type: none"> - Replace. - Replace. - Replace.