

# **OPERATING AND INSTALLATION INSTRUCTIONS**

## **Topper Gas Fires**

### **Mertik AB Standard and Mertik AB Power Flue**

**Applicable to the following Topper models:**

**2413, 2424, 3613, 4525, 4813 , 6013**

**Topper Steel:**

**5015 (1060)**

**8015 (1061)**

**10015 (1062)**

**12015 (1063)**

**14015 (1064)**

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# 1. INSTALLATION INSTRUCTIONS

## NOTICE

**The installation should be performed only by an authorized gasfitter**

### 1.1 General instructions

- \* The Gas Fire must be installed, connected and controlled as an open device by a qualified installer, according to the national, regional and local standards and regulations.
  - \* The Gas Fire is only for decorative purposes. Using other purposes different from decorative is not allowed.
  - \* The flue system and the terminals in the outer wall or roof face must also meet the requirements outlined in the applicable standards and regulations.
  - \* The temperature of the walls and shelves near the side and back of the unit may not be more than 80°C higher than the temperature of the environment.  
The product needs to be serviced and inspected by the fitter for local gas distribution as indicated on the identification plate.
  - \* The instructions are only applicable if the relevant country code is stated on the unit. If this is not the case, the gas technical information for the relevant country needs to be consulted and modifications discussed with the manufacturer.
  - \* There will be air in the gas pipes when the unit is first used. The gas pipes therefore need to be purged first.
  - \* Ignite the Gas Fire according to operating instructions and check whether the burner flame is uniform. After the unit has been used for the first time, the installer must check that the combustion gases is leaving through the flue with-in 10 minutes from a cold start with a combustion analyzer. Around and near the Gas Fire opening should no combustion gases be detected anymore.
- Distance to flammable materials:**
- \* With respect to the front, side and top of the unit, a distance of 1000 mm needs to be kept between the unit and: curtains, floor covering, upholstery and fabrics, and/or other flammable material unless stated other wise in these instructions.
- Distance to non-flammable materials:**
- \* The unit needs to be placed a minimum distance of 50 mm from the wall unless stated otherwise in this instruction.



## WARNING

**Gas fires become hot when they are in operation. Attention! Accordingly, care should be taken, for example children and needy in the vicinity of burning fires are banned. Gas fires must not be on or against flammable materials are placed (curtains etc.).**



## WARNING

- \* The Gas Fire only place the Gas Fire in a well ventilated area and check it regularly.
  - \* The Gas Fire is only suitable for installation in a non-combustible, fire pit.
  - \* The Gas Fire is not suitable for space heating.
  - \* This is an open fire; You should not place flammable materials near: nylon clothing caution.
  - \* The flue must have a minimum diameter of 175 mm.
  - \* All lines (Electra / gas) through a wall penetration, protecting with PVC pipe, etc.
- Important!** If a valve or slide into the flue is absent, which can be closed completely or partially, must be protected by an open state security

## NOTICE

**Construction material for fireplaces and mantles etc. or built-in situation, must be made of non-combustible material. This also applies to floors and ceilings. Never use flammable materials near the unit in compliance with the above requirements.**

**If in doubt, consult your dealer**

## 2. PACKAGE CONTENTS

The **TOPPER** and **TOPPER STEEL** Gas Fires are supplied disassembled.

**The different packages contain the following:**

- 1. Gas regulation:**
  - Complete gas regulation block
  - Remote control hand-held transmitter (inc. batteries)
  - Pilot pipe
  - Pilot flame cover
  - Instruction
- 2. Gas fire:**
  - Topper burner in various sizes.
  - Various 3/8"x 12 mm connections.
  - Identification plate
- 3. Decoration set:**
  - Ceramic wood blocks - Standard or De Luxe.
  - Ceramic wood blocks - Topper Steel 5015 to 14015
  - Pebble set - Topper Steel 5015 to 14015
  - Carrara set - Topper Steel 5015 to 14015

## 3. PLACING THE GAS FIRE

### NOTICE

**The installation must be performed by an authorized person.**

### 3.1 Connection the gas lines

You can determine where the gas pipes will be placed, depending on the positioning of the appliance. Ensure control equipment is not twisted during installation and there is no excessive tension. Accessibility of various connection points in relation to components need to be maintained. After installation, check the connections for gas leakage. Use a 3/8" gas tap in the main gas supply.

**Ensure the gas pipes are dirt-and sand-free.** The gas connection should only be done without any excessive tension in the tubes etc. This prevents any damage occurring to the gas control equipment.

### 3.2 Preparation and installation (see APPENDIX 4)

- \* Remove the packaging and check the gas fire for possible damage.
- \* The gas block fire must be placed, connected and controlled as an open appliance by a certified installer, according to national, regional and local standards and regulations.
- \* The gas fire is only intended for decorative purposes. Use of other purposes outside of decorative is not allowed.
- \* The drainage system and the outlets in the façade or roof surface must also comply with the applicable Regulations standards and regulations.
- \* The temperature of the walls and shelves in the vicinity of the side and back of the unit may not exceed the ambient temperature by more than 80 ° C.
- \* The appliance must be checked by the installer for local gas distribution (gas type and gas pressure) as indicated on the nameplate.
- \* The instruction is only valid if the relevant country code is mentioned on the device. If not so, it is necessary to consult the gas technical data of the country and to make modifications to the manufacturer.
- \* There will be air in the gas pipe when firing for the first time. The gas line must therefore be vented first.
- \* Light the gas log fire according to the operating instructions and check whether the flame pattern is even.
- \* The installer must check whether the combustion gases leave via the flue gas duct after 10 minutes from a cold start with a flue gas meter. There should be no flue gases around and near the fire opening be present.

## 4.0 REMOTE CONTROL USER INSTRUCTIONS

### 4.1 General

- \* The unit is operated using a radio-controlled remote control. This consists of a manual transmitter and a receiver. The receiver is connected to the gas control block.
- \* The receiver and the gas control block are located in the operating box.
- \* If there is no change in flame height for a 6-hour period the transmission / communication turn down application will turn down the pilot flame.
- \* If there is no change in flame height for a 5-days period the appliance will be turn down.
- \* Appliance will be turn off if there is no change in flame height for 5 days.
- \* Low battery receiver shut off; If power is low in receiver the systems shuts off the fire completely.
- \* When in use with 220V adapter and the power shuts off, the batteries will take over the power supply to let the receiver automatic function normally.
- \* Designated low and high fire settings;  
Double click the small flame button and the flame will be automatically go to low flame.  
Double click the large flame button and the flame will be automatically go to high flame.

### 4.2 Manual transmitter

- \* The transmitter uses a radio-controlled signal. The signal code is set at the factory

### 4.3 Screen setup

- \* After the batteries have been inserted, press the **OFF** ● button and 🔥 (small) at the same time to toggle between °F (and 12 hour clock) and °C (and 24 hour clock).
- \* Wait a moment or press **OFF** ● to return to **MAN** mode.

### 4.4 Setting the time

- \* Press 🔥 (large) and 🔥 (small) at the same time to go to the **SET** mode or programming mode.
- \* The time can be set while the screen is flashing.
- \* Press 🔥 (large) to set the hour and minutes.
- \* Wait a moment or press **OFF** ● to return to **MAN** mode.

### 4.5 Operation (Remote Control)

#### Igniting the flame

- \* Open the gas shut-off cock that has been installed in the gas pipe to the unit.
- \* Press the "O I" switch on the gas control block to the "I" position.
- \* Turn the operating button on the gas control block into the **ON** position.
- \* Press the ● **OFF** and 🔥 (large) switches on the remote control at the same time.  
A short sound signal will confirm commencement.  
Short sound signals will then follow until the pilot light and main burner are ignited.  
Once the main burner is ignited, the flame will adjust to its maximum height automatically.

### 4.6 Setting the flame height / extinguishing the flame

- \* After the burner is ignited, the flame size will adjust to its maximum height automatically.
- \* Press the button 🔥 (small) on the image of the flame to reduce the height and to switch the burner off. (Extinguishing the flame: "**STAND BY**"). (Press the key for a short time to gradually reduce the flame.)
- \* Press the 🔥 (large) button to increase the flame height. (Press the button briefly to gradually increase the flame height)

### 4.7 Switching the unit off.

- \* Press the 🔥 (small) button to reduce the flame height and to switch the burner off ("**STAND BY**").
- \* Then press ● **OFF** to switch off the entire unit, including the pilot light.
- \* If the unit is out of use for a long period, set the "O I" switch on the gas control block to the "O" position to save the batteries.
- \* In this case, it is also recommended you close the gas shut-off cock in the supply line.

#### **Breakdowns:**

- \* If the receiver is not receiving signals from the manual transmitter effectively, this could be caused by:
  1. Flat batteries: replace the batteries.
  2. An electronic problem: press "**RESET**" on the receiver.
  3. Contact your fitter if the unit switched off regularly.



Remote control

## 4.8 Inserting and replacing the batteries

- \* The manual transmitter and receiver batteries have a life span of approximately one year. The use of alkaline batteries is recommended.
- \* The batteries need to be replaced when:
  1. Manual transmitter: BATT appears on the display.
  2. Receiver: long sound signals can be heard during ignition.
- 1. Manual transmitter:
  - \* Open the small cover on the back.
  - \* Carefully remove the 9V square battery and remove the battery from the contact holder. Do not pull the wires!
  - \* Connect the new battery and place the whole unit back. Close the cover.
- 2. Receiver:
  - \* Carefully remove the entire receiver from the holder.
  - \* Slide the small cover open.
  - \* Remove the batteries from the battery holder.
  - \* Place 4 new 1.5V batteries (type LR6 or AA) in the battery holder as shown. The spring must always be against the negative (-) pole of the battery.
  - \* Close the cover and place the receiver back into the holder.

If the batteries are not inserted correctly, the electronics of drive mechanism could be damaged irreparably.

Replace the batteries only when the unit is completely switched off.

### **NOTICE**

If, for whatever reason, the pilot light goes out, you must wait 5 minutes before reigniting it.

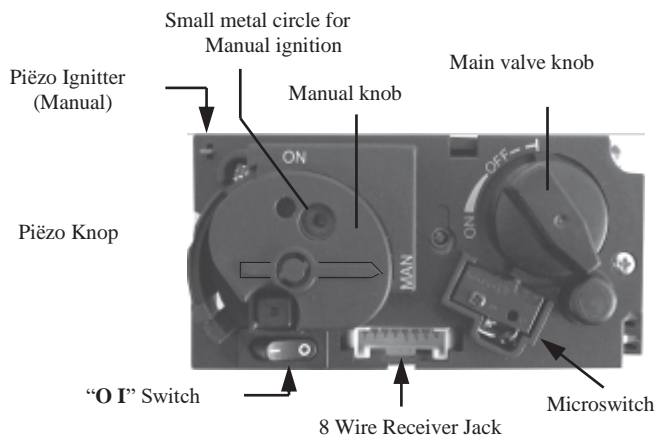


### **WARNING**

**Use only *non-metallic* tools to remove the batteries**  
Removing batteries with a metal object may cause permanent damage to the electronic control.

## 5. MANUAL CONTROL

The unit may be operated by hand if there is a defect in the remote control. To do so, the ignite (piezo) cable of the receiver must first be removed and carefully slid into the piezo connector on the gas control block.



**(Combination Control, Cover Manual position)**

### 5.1 Igniting the fire

- \* Open the gas shut-off cock that has been installed in the gas pipe to the unit.
- \* Press the “O I” switch, on the gas control block, in the “I” position.
- \* Turn the motor button, on the gas control block, completely to the right. The button will make a “click” sound.
- \* Turn the operating button on the gas control block, into the “MAN” position. A metal circle in the operating button will become visible.
- \* Push the metal circle inwards. For example, with a pen. Gas will now flow to the pilot flame.
- \* While keeping the metal circle pressed down, press the (square) piezo button (along the “O I” switch) several times to ignite the pilot flame. You will be able to see whether the pilot flame is burning .
- \* If the pilot flame is alight, keep the metal circle pressed down for another 10 seconds and then let go.
- \* Turn the operating button to the **ON** position. The burner may or may not ignite, depending on the position of the motor button.
- \* By turning the motor button to the required setting to the left, the burner will ignite and the flame size can be adjusted.

### 5.2 Extinguishing the fire

Turn the motor button, on the gas control block, completely to the right. The button will make a “click” sound. The burner will turn off. The pilot flame continues to burn.

### 5.3 Switching the unit off

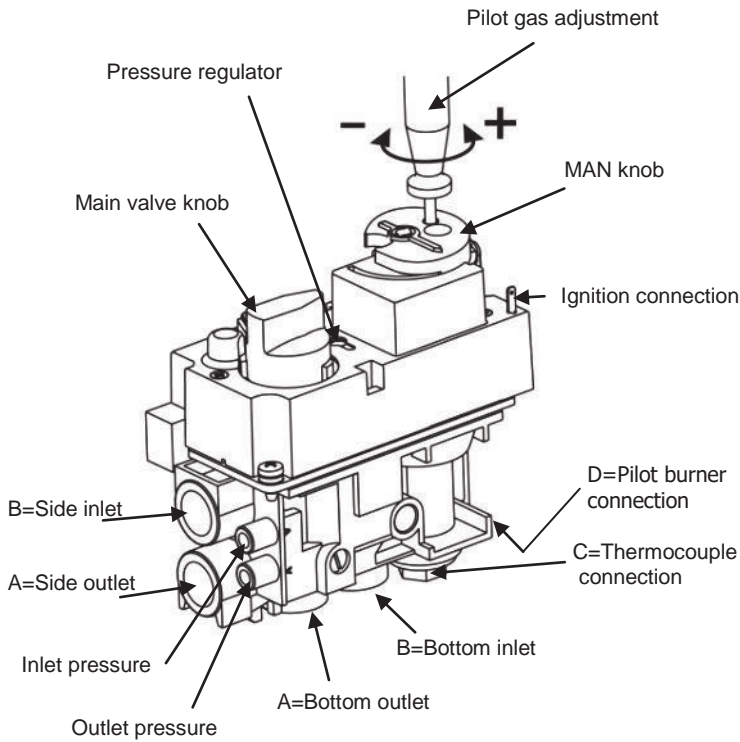
Press the “O I” switch, on the gas control block, in the “O” position. The pilot flame will extinguish. If the fireplace is not used for an extended period of time, we recommend closing the gas shut-off cock in the supply line.

### **NOTICE**

**If, for whatever reason, the pilot light goes out, you must wait 5 minutes before reigniting it.**

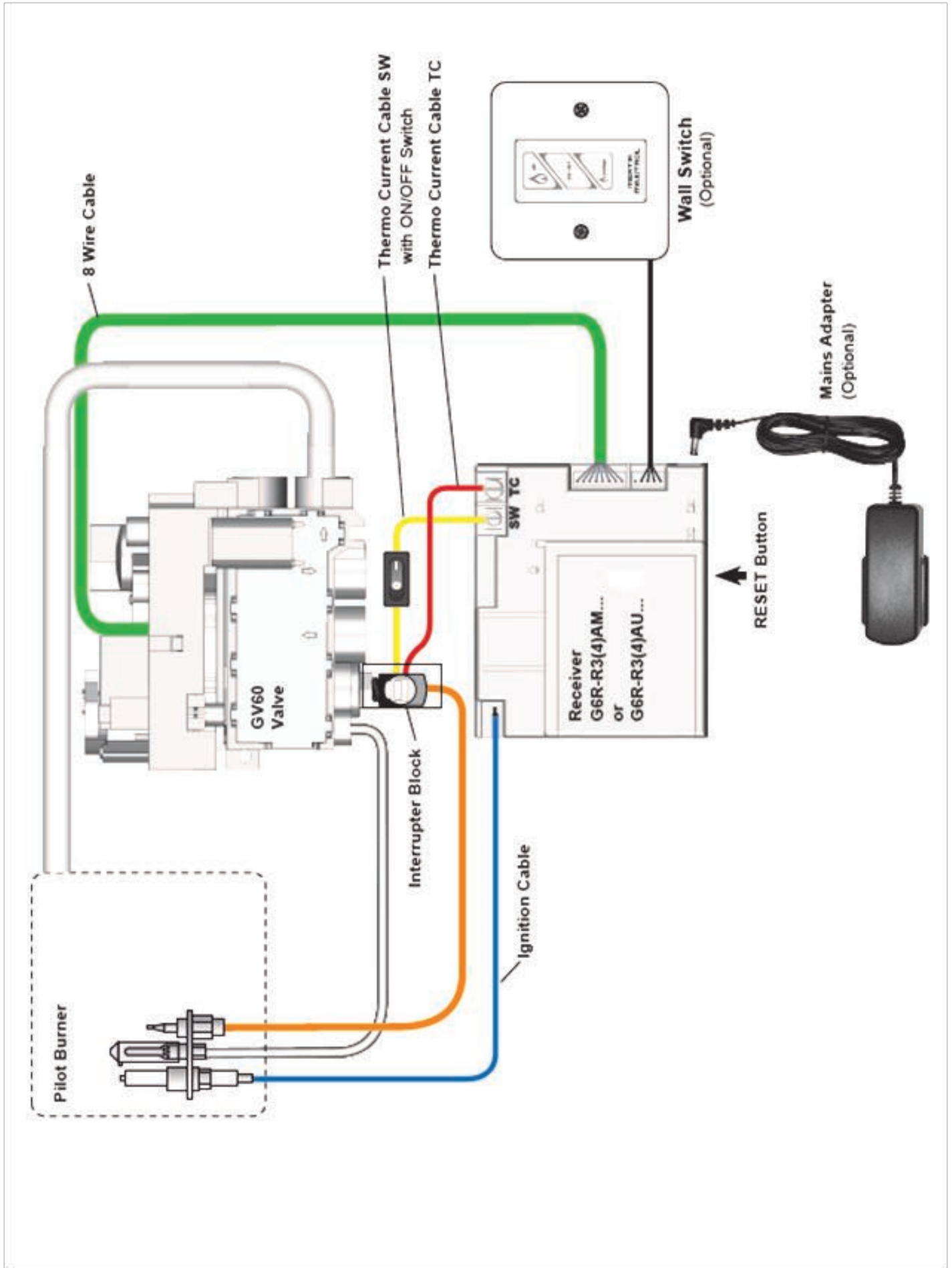
## 6. TECHNICAL DETAILS GV60

Gas blok type	: Mertik GV60
Branderautomaat type	: G6R-R4AU
Ontsteking	: Distance operation and Piezo ignition
Gas aansluiting	: 3/8" <b>A</b> =Gas intake <b>B</b> =Gas exhaust <b>C</b> =Thermocouple connection <b>D</b> =Pilot burner connection
Unit category	: B11As
Waakvlam	: OP Oxypilot

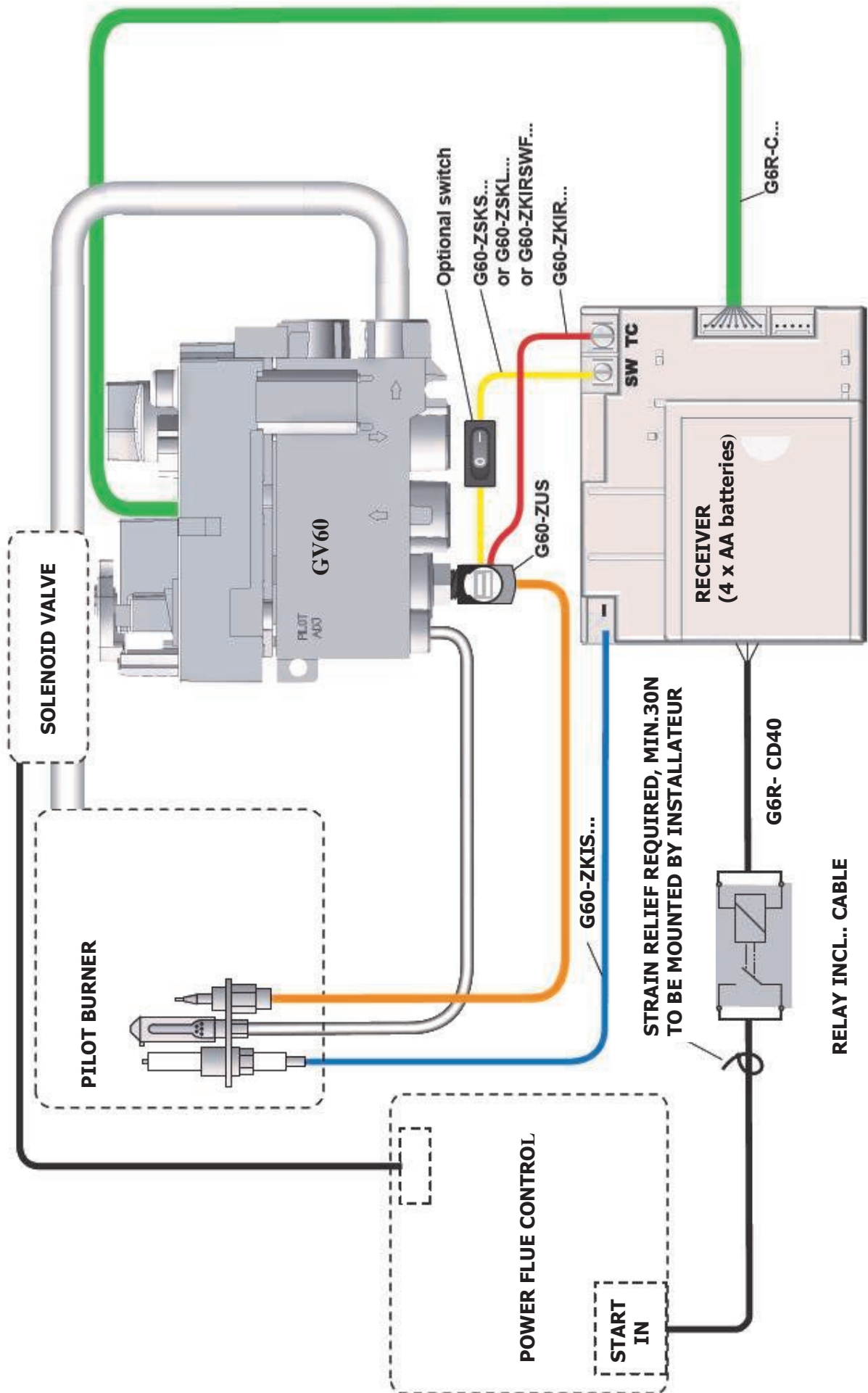




## 6.1 Standard scheme GV60



6.2 Power flue scheme GV60



## 7. INSTRUCTIONS FOR MERTIK MAXITROL GV60 GASCONTROL

### WARNING

**It is forbidden to start up the unit if window (s) is not present or broken!**

**Ensure that the fuel supplied to the unit is clean and free from particles and moisture.**

Before a gas supply pipe (new or existing) is connected to the main gas pipe at the gas meter and to the gas control block of the unit, clean and dry compressed air should be blown through it. Cut copper pipes as well as aluminium pilot pipes must be deburred and blown clean before they are connected. The dust filter at the connection to the gas control block will only filter out the coarsest dirt from the system. Fine particles are still able to reach the inside and may damage and/or adversely affect regulation in the gas control block .

**Heat, moisture and dust are a threat to all electronic components**

Protect the electronic gas control *until* all construction, plastering and paintwork has been completed. If such work cannot be avoided, then protect the control against dirt and moisture penetration by using, for example, plastic film .

### WARNING

Electronic components will become permanently faulty when exposed to temperatures higher than 60°C. Standard AA batteries will crack open at temperatures >54°C and the battery contents will damage the electronic switches located underneath. Batteries last longest at <25°C. At >50°C the life span is around 23 weeks, this makes the use of the gas fire unnecessarily expensive.

**Only install the gas control block and receiver as pre-installed at the factory**

Remember that components may have to be replaced or that repairs may have to be performed at a later date. This may be more difficult if the control is installed using a method that is different from the instructions provided here.

**Only place the batteries *after* wiring to the receiver, gas control block and pilot set is connected.**

Premature connection to the energy source may damage the control's CPU (central processor).

**Ensure that the ignition cable is not near the antenna wire and that they do not cross each other.**

The high voltage released at ignition may damage the sensitive receiver circuit.

This may mean that the unit becomes less responsive or not responsive at all to handset commands.

### NOTICE

**Do not tighten the contact breaker and the thermocouple connection too tightly on the gas control block or to each other.** It is sufficient to tighten by hand and add a half a turn with an open-end spanner.

Tightening too much will break the connection to the magnetic coil below and/or the insulation around the aluminium contact pin in the contact breaker. This may lead to the magnetic coil not opening the gas supply to the pilot and the unit not working.

**Extend the supplied thermocouple with just the original extension. (available from your supplier)**

Unauthorized extension of the thermocouple has the effect of stress reduction, thereby the magnetic coil can not be activated.

**Prevent leakage of the ignition spark to other parts of the installation than the Ignition by the pilot**

Keep the ignition free of hull or other metal parts. If cable extension is used, see to it that connections are additionally insulated with silicone grommet.

**For automatic start via the transmitter, the receiver and the control the gas control valve to be switched**

The oval disk on the gas control block should be turned to the ON position. The **I/O** switch should be set to "I". The ignition must be connected to the receiver box at the terminal **SPARK**.

**The transmitter's contains the thermostat sensor system**

The transmitter operates best at 2 to 3 m from the unit. Although the communication via short wave radio signals takes place, it is recommended that the transmitter in the 'visibility' of to lay the gas apparatus in a place where the user wants to experience a pleasant temperature. Place the hand transmitter in direct sunlight or other hot places. The thermostat measures the temperature and regulates the flame size of the gas in accordance.

**Remove batteries only with the red ribbon which is under the battery, not with metal tool**

Removing batteries with a metal object, the electronic control can permanently damage.

## 8. GAS TECHNICAL SPECIFICATIONS

### 8.1 Gas technical specifications Topper Burners 2413 > 6013

		3613	4813	6013	6013	3613	4525	4813	2413	2424
GASTYPE		G30/31	G30/31	G30/31	G25/G20	G25/G20	G25/G20	G25/G20	G25/G20	G25/G20
COUNTRY		NL/NO/DE/ ES/PT/IE/GB/ BE/FR	NL/NO/DE/ ES/PT/IE/GB/ BE/FR	NL/NO/DE/ES/ PT/IE/GB/BE/ FR	NL/NO/ES/ PT/DE/IE/ GB/BE/FR/ IT	NL/NO/ES/ PT/DE/IE/ GB/BE/FR/ IT	NL/NO/ES/ PT/DE/IE/ GB/BE/FR/ IT	NL/NO/ES/ PT/DE/IE/ GB/BE/FR/ IT	NL/NO/ES/ PT/DE/IE/ GB/BE/FR/ IT	NL/NO/ES/ PT/DE/IE/ GB/BE/FR/ IT
CATEGORY		I3+/I3B/P	I3+/I3B/P	I3+/I3B/P	I2I/I2H/ I2E/I2E+	I2I/I2H/ I2E/I2E+	I2I/I2H/ I2E/I2E+	I2I/I2H/ I2E/I2E+	I2I/I2H/ I2E/I2E+	I2I/I2H/ I2E/I2E+
PRIMARY AIR		N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.
PRE-PRESSURE	MBAR	29/37	29/37	29/37	25/20	25/20	25/20	25/20	25/20	25/20
BURNER PRESSURE HIGH	MBAR	27,8/36,7	27,5/36,7	27,7/36,4	24,5/18,4	24,5/18,4	24,5/19,5	24,5/18,4	24,5/18,4	24,5/18,4
BURNER PRESSURE LOW	MBAR	8,1/-	6,0/-	4,1/-	-/1,3	-/-	4,9/4,0	-/-	-/-	-/-
INJECTOR BORE	Ø MM	1,40	1,55	1,70	2,80	2,10	2,40	2,40	1,90	2,40
LOAD Hi	KW	7,77/7,604	9,01/8,8	11,38/11,16	12,59/13,4	7,5/7,9	9,2/9,6	8,9/9,5	5,94/6,5	8,9/9,5
LOAD Hs	KW	8.638/8,449	10,011/9,78	12,648/12,405	13,97/14,9	8,3/8,8	10,2/10,7	9,9/10,5	6,6/7,2	9,9/10,5
CONSUMPTION	M <sup>3</sup> /h	0,248/0,316	0,287/0,365	0,36/0,46	1,55/-	0,72/0,84	1,1/1	0,9/0,96	0,73/0,68	0,9/0,96

### Appliances has NoX class 5

<b>AT</b> I2H, I3B/P	<b>BE</b> I2E+, I3+	<b>DK</b> I2H, I3B/P	<b>DE</b> I2ELL, I3B/P
<b>FI</b> I2H, I3B/P	<b>FR</b> I2E+, I3+	<b>GR</b> I2H, I3B/P	<b>GB</b> I2H, I3+
<b>IS</b> I3B/P	<b>IE</b> I2H, I3+	<b>IT</b> I2H, I3+	<b>LU</b> I2E, I3B/P
<b>NL</b> I2L, I3B/P	<b>NO</b> I3B/P	<b>PT</b> I2H, I3+	<b>ES</b> I2H, I3+
<b>SE</b> I2H, I3B/P	<b>CY</b> I3B/P,I3+	<b>EE</b> I3B/P,I2H	<b>LT</b> I3B/P,I2H
<b>LV</b> I3B/P,I2H	<b>MT</b> I3B/P,	<b>HU</b> I3B/P,I2H	<b>PL</b> I3B/P
<b>SI</b> I3B/P,I2H	<b>SK</b> I2H		

## 8.2 Gas technical specifications Topper Burners 5015 > 14015

		1060	1060	1061	1061	1062
GASTYPE		G20/G25	G30/31	G20/G25	G30/31	G20/G25
COUNTRY		NL/DE/BE/DK/GB/IE/NO/ES/FR/	NL/DE/BE/DK/GB/IE/NO/ES/FR/	NL/DE/BE/DK/GB/IE/NO/ES/FR/	NL/DE/BE/DK/GB/IE/NO/ES/FR/	NL/DE/BE/DK/GB/IE/NO/ES/FR/
		GR/AT/CH/IT/PT/PL/CY/LU/MT/RO	GR/AT/CH/IT/PT/PL/CY/LU/MT/RO	GR/AT/CH/IT/PT/PL/CY/LU/MT/RO	GR/AT/CH/IT/PT/PL/CY/LU/MT/RO	GR/AT/CH/IT/PT/PL/CY/LU/MT/RO
CATEGORY		I2I/I2ELL/I2H/I2E/I2E+	I3B/P/I3+	I2I/I2ELL/I2H/I2E/I2E+	I3B/P/I3+	I2I/I2ELL/I2H/I2E/I2E+
PRIMARY AIR		closed	3XØ16	closed	3XØ16	closed
PRE-PRESSURE	MBAR	20/25 Mbar	30/37 Mbar	20/25 Mbar	30/37 Mbar	20/25 Mbar
BURNER PRESSURE HIGH	MBAR	23,3/18,8	28,7/35	21,5/17,4	28,2/35,7	22/17,1
BURNER PRESSURE LOW	MBAR	2,8/2,6	6,2/8,4	7,6/6,0	7,4/8,8	6/4,8
INJECTOR BORE	Ø MM	2,50	1,50	2,90	1,60	3,00
INJECTOR CODE	CODE	seagas ODS NG	seagas ODS LPG	seagas ODS NG	seagas ODS LPG	seagas ODS NG
LOAD Hs	KW	12,3/13,3	11	17,77/19,3	13/12,9	17,66/18,6
LOAD Hi	KW	11,1/12	10	16/17,4	12/11,9	15,9/16,75
CONSUMPTION	M³/h	1,14/1,23	0,28/0,37	1,66/1,78	0,35/0,45	1,6/1,79

		1062	1063	1063	1064	1064
GASTYPE		G30/31	G20/G25	G30/31	G20/G25	G30/31
COUNTRY		NL/DE/BE/DK/GB/IE/NO/ES/FR/	NL/DE/BE/DK/GB/IE/NO/ES/FR/	NL/DE/BE/DK/GB/IE/NO/ES/FR/	NL/DE/BE/DK/GB/IE/NO/ES/FR/	NL/DE/BE/DK/GB/IE/NO/ES/FR/
		GR/AT/CH/IT/PT/PL/CY/LU/MT/RO	GR/AT/CH/IT/PT/PL/CY/LU/MT/RO	GR/AT/CH/IT/PT/PL/CY/LU/MT/RO	GR/AT/CH/IT/PT/PL/CY/LU/MT/RO	GR/AT/CH/IT/PT/PL/CY/LU/MT/RO
CATEGORY		I3B/P/I3+	I2I/I2ELL/I2H/I2E/I2E+	I3B/P/I3+	I2I/I2ELL/I2H/I2E/I2E+	I3B/P/I3+
PRIMARY AIR		3XØ16	closed	3XØ16	closed	3XØ16
PRE-PRESSURE	MBAR	30/37 Mbar	20/25 Mbar	30/37 Mbar	20/25 Mbar	30/37 Mbar
BURNER PRESSURE HIGH	MBAR	29/36	20/15,4	29/35,8	19,2/14,8	28,8/35,3
BURNER PRESSURE LOW	MBAR	13,3/16,8	6,6/5,4	18/21	4,9/3,8	15,5/18,6
INJECTOR BORE	Ø MM	1,70	3,60	1,80	3,70	1,90
INJECTOR CODE	CODE	seagas ODS LPG	seagas ODS NG	seagas ODS LPG	seagas ODS NG	seagas ODS LPG
LOAD Hs	KW	13,55/13,5	24,1/25,87	15,55/15,5	25,43/27,32	17,77/17,82
LOAD Hi	KW	12,5/12,4	21,7/23,3	14	22,89/24,6	16
CONSUMPTION	M³/h	0,43/0,47	2,23/2,4	0,48/0,53	2,4/2,6	0,56/0,62

### Appliances has NoX class 5

<b>AT</b> I2H, I3B/P	<b>BE</b> I2E+, I3+	<b>DK</b> I2H, I3B/P	<b>DE</b> I2ELL, I3B/P
<b>FI</b> I2H, I3B/P	<b>FR</b> I2E+, I3+	<b>GR</b> I2H, I3B/P	<b>GB</b> I2H, I3+
<b>IS</b> I3B/P	<b>IE</b> I2H, I3+	<b>IT</b> I2H, I3+	<b>LU</b> I2E, I3B/P
<b>NL</b> I2L, I3B/P	<b>NO</b> I3B/P	<b>PT</b> I2H, I3+	<b>ES</b> I2H, I3+
<b>SE</b> I2H, I3B/P	<b>CY</b> I3B/P,I3+	<b>EE</b> I3B/P,I2H	<b>LT</b> I3B/P,I2H
<b>LV</b> I3B/P,I2H	<b>MT</b> I3B/P,	<b>HU</b> I3B/P,I2H	<b>PL</b> I3B/P
<b>SI</b> I3B/P,I2H	<b>SK</b> I2H		

## 9. MERTIK TROUBLESHOOTING FLOW CHART

No	ACTION		Possible problem/cause	Solution
1.	Option: wall switch START: press ON button > wall switch works.	NO →	Bent pin on switch, or cable not operating properly.	Straighten pin, replace wall switch or cable.
1.	Manual transmitter START: press both buttons to start ignition sequence. Beep will occur each second	NO →	Manual transmitter battery low.	Replace battery, 9V quality alkaline!
			Receiver batteries low.	Replace batteries, 1.5V AA quality alkaline!
			Optional mains adapter not operating properly.	Check mains adapter.
			Check coding of transmitter and receiver.	Learn in new code, see instructions and label on receiver.
			Transmitter/receiver range limited.	1. Move antenna cable, see instructions. 2. Replace receiver.
			Optional wall switch / cabling not operating properly.	Replace wall switch / cabling.
			Receiver fuse blown (in older versions only).	Replace receiver.
	OK ↓			
2.	Magnet unit in gas valve is energised (audible click)	NO →	No beep	Impulse magnet not operating properly. Replace gas valve.
		NO →	3 short beeps	Receiver batteries low. Replace batteries, 1.5V AA quality alkaline!
		NO →	1 long beep	ON/OFF switch on gas valve in OFF position Set switch to ON.
			8-wire cable between receiver and gas valve defective / poor contact.	Check cable, especially in case of plug connection.
			Switch cable disconnected.	Check switch cable, see fig. 1 on page 18
			Motor not operating properly.	Replace gas valve.
			Micro switch on gas valve not operating properly.	Replace gas valve.
	OK ↓			

No	ACTION	Possible problem/cause	Solution
----	--------	------------------------	----------

3. Spark will occur each second.

NO →	Ignition components not operating properly.	Check connection between cable & IGN electrode. Check IGN electrode spark gap. Check IGN electrode for discharge to ground (break in ceramic). Check IGN cable for damage Increase distance between IGN cable and all metal parts. Check that spark does not discharge to ground at location of spark plug connection. Shorten cable if possible. If applicable, provide extra insulation with silicon hose etc.
	IGN sequence stops, no pilot flame. No reaction to transmitter command (receiver does not react).	Press RESET button, see instructions. Add ground wire between pilot burner and gas valve. Do not coil the IGN cable. Shorten IGN cable if possible.
	IGN sequence stops, no pilot flame. Transmitter command is possible.	IGN sequence stops, no pilot flame. Transmitter command is possible.
	OK	

4. Pilot lit.

NO →	TC and SW cable reversed.	Check connection of cable to receiver and interrupter, see fig. 1.
	Impulse magnet not operating properly.	Replace gas valve.
	Short between interrupter and SW cable.	Check connection to interrupter.
	No gas (magnet unit drops after 30 second audible count).	Check gas supply to gas valve.
OK		

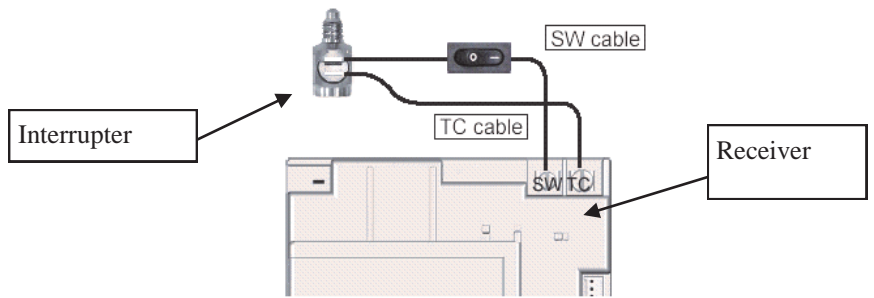


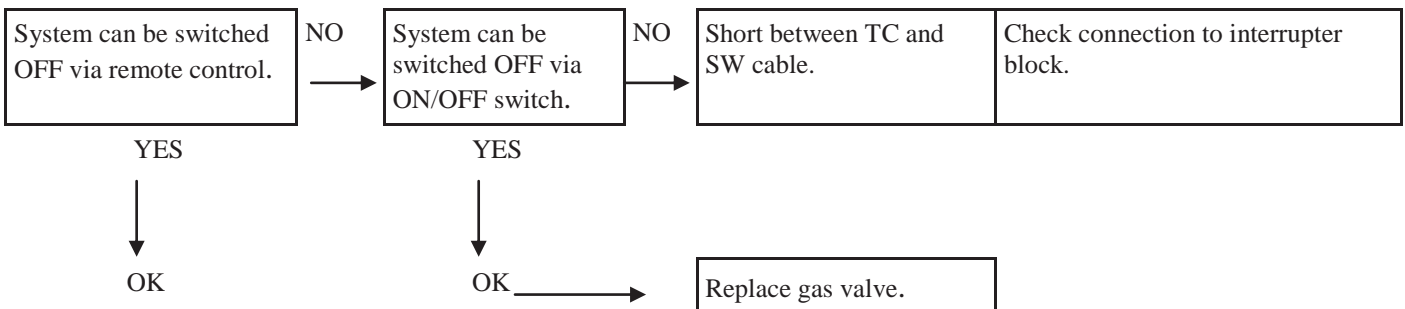
Figure 1

5. Sparking stops after pilot is lit

NO →	Short between interrupter and TC cable.	Check connection to interrupter, see fig. 1
	Electronic measuring amplifier defective.	Replace receiver.
OK		

No	ACTION	Possible problem/cause	Solution
----	--------	------------------------	----------

6.	<div style="border: 1px solid black; height: 150px; width: 100%; display: flex; align-items: center; justify-content: center;"> <p>Motor turns to main gas and pilot stays lit.</p> </div>	NO	→	Magnet unit drops (audible click)	Resistance in thermo current circuit too high.	Check cables and connections in thermo current circuit.
					Not enough heat on thermocouple.	Check position of pilot to thermocouple and intensity of pilot flame.
					Low voltage from thermocouple.	Check connections and, if necessary, replace thermocouple. Do not overtighten the connections!
					Short because thermocouple end is damaged.	Replace thermocouple, do not overtighten the connections!
	OK					
	↓					
7.	<div style="border: 1px solid black; height: 40px; width: 100%; display: flex; align-items: center; justify-content: center;"> <p>Main burner is lit.</p> </div>	NO	→		Gas valve manual knob in "MAN" position.	Turn knob to "ON" position.
	OK					
	↓					
8.	<div style="border: 1px solid black; height: 80px; width: 100%; display: flex; align-items: center; justify-content: center;"> <p>Main burner stays lit.</p> </div>	NO	→		Too much / too little air flow / draft at pilot, blows out or is smothered.	Check whether restriction plate has been correctly applied in unit, see instructions. Poor flue location, check correctness of layout and connections.
	OK					
	↓					
9.	<div style="border: 1px solid black; height: 40px; width: 100%; display: flex; align-items: center; justify-content: center;"> <p>Magnet unit drops while motor turns. 3 beeps</p> </div>	NO	→		Receiver batteries low.	Replace batteries, 1.5V AA quality alkaline!





## 10. MAINTENANCE ACTIVITIES

Please note: whenever possible, turn off the gas supply and power supply during maintenance activities.

Maintenance activities should be performed by a qualified fitter.

Close the gas tap while maintenance activities are being performed

	Inspection		Proceedings	OK
1	General inspection	a	The main burner should ignite smoothly (within several seconds) and not give a bang sound due to delayed ignition. Go to number 7 if the ignition appears to be delayed.	
		b	Check the appearance of the flame. The flame should not flicker. It should turn yellow after approximately 15 minutes; go to number 7 if the flame is blue in colour.	
		c	Check for excessive soot deposits on decorative parts. Go to number 7 if there is excessive formation of soot.	
2	Decorative parts (logs/pebbles etc.) and (pilot) burner	a	remove decorative parts and clean the burner (be careful with ceramic burners!) with a vacuum cleaner.	
		b	inspect decorative parts for damage/cracks/discolouration and clean with a soft brush if required.	
		c	check if the burner cover is intact and free of corrosion. Replace the burner if required.	
		d	after completing the inspection: replace decorative parts, exactly as stipulated by the manufacturer. Ensure the pilot burner is free from obstructions!	
		e	check if the pilot flame protection is intact (if applicable).	
		f	check the piezo for sufficient sparking power, and ensure that the ignition cable is free from metal parts/electrical parts.	
3	Ignition and operation of the main burner	a	check if the injector head is free from dirt.	
		b	check if the primary ventilation opening in the main burner is free from dirt.	
		c	Check the burner and whether it is in a good position in relation to the pilot burner. (if applicable)	
		d	check that the burner is firmly positioned and cannot move.	
		e	check if the pilot burner is burning well, with a steady blue flame	
		f	check whether the burner is uniformly igniting across the entire surface and without any significant delay.	
		g	check if the appearance of the flame is uniform and stable.	
		h	check the initial and burner pressure. Do not forget to close the pressure measuring points.	
		i	check whether the gas control parts are intact, and that plastic parts for example, have not melted.	
		j	check electrical wiring for damage and ensure that wires are positioned away from the hot areas of the unit.	
4	Installation	a	check whether there is a sufficient distance between the unit and any flammable furniture for instance.	
5	Flue tube/air supply	a	where possible, inspect the general state of the exhaust/supply system and check for blockages / leaks / corrosion.	
		b	check the outlet, which should be free from dirt and blockages.	
		c	specifically check for leaking cement borders, etc.	
6	Remote control	a	check for correct functioning of the remote control.	
7	Ventilators (if present)	a	clean the ventilators and check that they function correctly.	



## 11. INSTALLING THE CERAMIC WOOD BLOCKS (APPENDIX 5-6 and 7)

### 11.1 Installing the ceramic wood blocks - Standard

Before positioning the blocks, the accompanying Vermiculite glowing embers should be evenly spread over the burner.

#### Model 2413

Position the 6 blocks at an angle on the burner.

#### Model 2424

Position the 2x oak logs on the burner. Then position the 6 blocks on top of the oak logs and the burner.

#### Model 3613

Position the 2x oak logs on the burner. Then position the 6 blocks at an angle on the oak logs and the burner.

#### Model 4813

Position the 2x oak logs on the burner. Then position the 6 blocks at an angle on the oak logs and the burner.

#### Model 6013

Position the 3 oak logs on the burner. Next position the 8 blocks at an angle over the oak logs and the burner.

### 11.2 Installing the ceramic wood blocks – De Luxe

Before positioning the blocks, the accompanying Vermiculite glowing embers should be evenly spread over the burner.

#### Models 2424, 3613, 4813 and 6013

Position block A in the middle of the burner tray. Place in turn blocks B, C and D. Ensure that they are properly spread out.

#### Model 2413

Position block A in the middle of the burner tray. In turn position blocks C and D. Ensure that they are properly spread out.

#### Model 4525

Position blocks B and C on the burner. Next place 5 blocks at an angle on top of blocks B and C and the burner.

### 11.3 Installing the ceramic wood blocks De Luxe (Butane)

Before positioning the blocks, the accompanying Vermiculite glowing embers should be evenly spread over the burner. The burner cannot be ignited under any circumstances without the Vermiculite. Doing so will cause irreparable damage to the gauze in the burner.

#### Model 2413 B

For model 2413, block A should be placed on the vermiculite first. Block A is the most coated block where in the case of 2413 only one block is included. Both C blocks are placed on top of block A, in such a way that the flat side of C is on the upper side of A. It is important to take note of the correct orientation of the "bark" of the blocks.

#### Model 2424 B

On model 2424, block A should be placed on the vermiculite first. Block A is the most coated block where in the case of 2424 only two blocks is included. The second block A is "placed down" on the front side and block B on the rear side. Block B has one flat side which should be used for this. It is important to take note of the correct orientation of the "bark" of the blocks.

#### Model 3613 B

For model 3613, the flat side of block C should be first placed down on the vermiculite. The second block C is placed in the middle against the block C that was placed down first. Both A blocks, which are the most coated blocks, are placed down on both sides of this second block C and laid against the crosscut sides of block C that was positioned first. It is important to take note of the correct orientation of the "bark" of the blocks.

#### 4813 and 6013 B

For these Toppers, both C blocks are first laid down with their flat sides against the vermiculite (in line). Block A, the most coated block, is then laid down in the middle of both C blocks. Both B blocks are placed at opposite ends and roughly in the middle of both C blocks. It is important to take note of the correct orientation of the "bark" of the blocks.

## 11.4 Positioning the ceramic wood blocks 1060, 1061, 1062, 1063 and the 1064 (=1063+)

### Notice

when installing the log inset and the various glowing materials and accessories, the following must be taken into account:

- \* There should be no glowing material in or on the pilot burner.
- \* Arrange the log inset composition as shown. In other words the blocks will have to be positioned in exactly the same way. An individual structure to ensure this will need to be used where required.
- \* Mix the glowing material (lava granules) and the "fusilli" (spiral-shaped ceramic material) and spread them evenly over the burner and the burner plate so that they are just covered. Glowing embers can be placed here and there as decoration. the remaining material can be discarded. Too much glowing material can affect the burning process.
- \* Then place the logs in the correct order as shown on Appendix 2.
- \* Carefully position the ceramic Wood inset.

### NOTICE

***Different positions may have a significant influence on the flame image or cause poor functioning of the burning process.***

## 11.5 Positioning the Pebbleset - Topper Steel 5015 to 14015

- \* Scatter vermiculite evenly over the burner tray. Make sure the pilot light remains unobstructed.
- \* Place a row of medium-sized and large pebbles at the front of the burner plate
- \* Fill the burner tray with small and medium-sized pebbles from the front to the rear. Place the pebbles as closely as possible to each other on the burner tray.
- \* Fill the rear of the burner plate with medium-sized and large pebbles.
- \* Replace the window, following the instructions for removing it in reverse order.

## 11.6. Positioning the Basalt / Carrara stones - Topper Steel 5015 to 14015

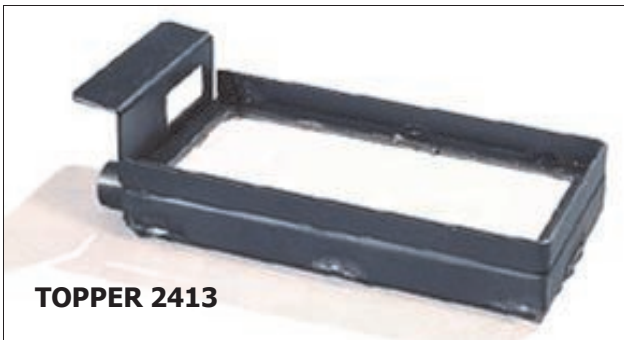
- \* Scatter vermiculite evenly over the burner tray. Make sure the pilot light remains unobstructed.
- \* Fill the burner tray neatly and evenly with the Carrara stones.
- \* Replace the window, following the instructions for removing it in reverse order.

**Note: when installing the log and Pebble set and the various glowing materials and accessories, the following must be taken into account:**

- A:** No glowing material in or on the pilot burner.
- B:** Prevent that ceramic material falls on the glass seals. Remove this if necessary. The window can be damaged.
- C:** ***Slot /opening between burner and mesh deco plate must be kept free of glowing material. Too much placed glowing material can affect the combustion process.***

When the whole assembly is ready, you should perform a test-run ignition. Start the procedure as described in the operating instructions.

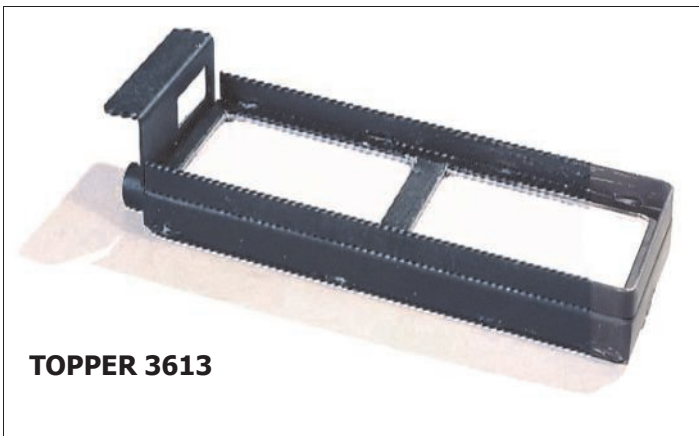
**APPENDIX 1 BURNER ASSORTMENT TOPPER CERAMIC / TOPPER STEEL**



**TOPPER 2413**



**TOPPER 2424**



**TOPPER 3613**



**TOPPER 4525**



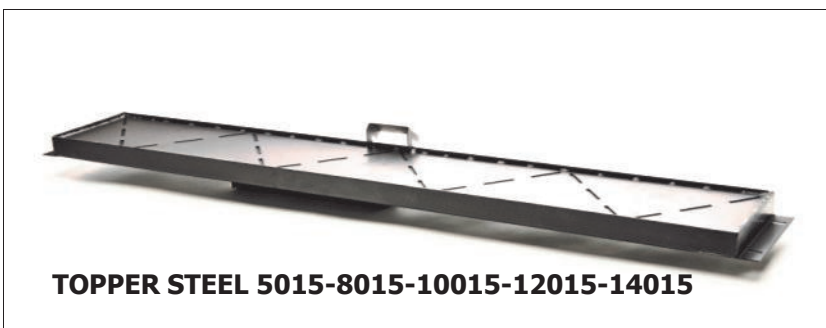
**TOPPER**



**TOPPER 4813-3613-6013**

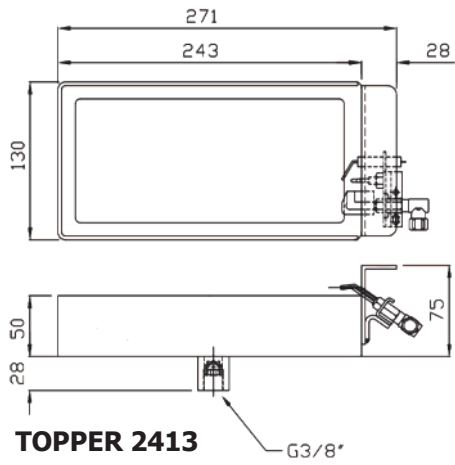


**TOPPER**

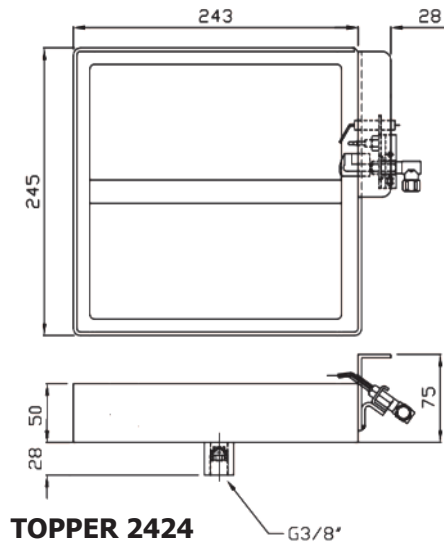


**TOPPER STEEL 5015-8015-10015-12015-14015**

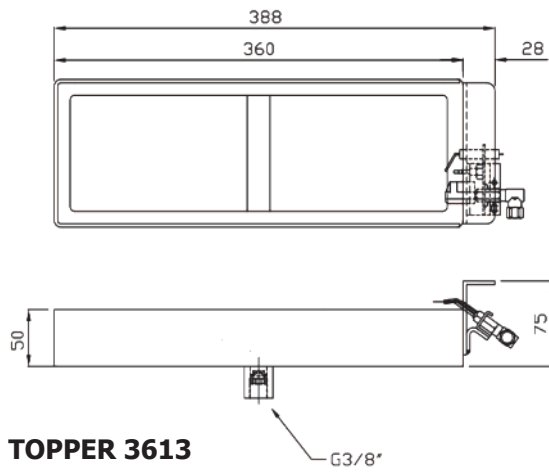
**TOPPER CERAMIC 2413-2424-3613-4525-4813**



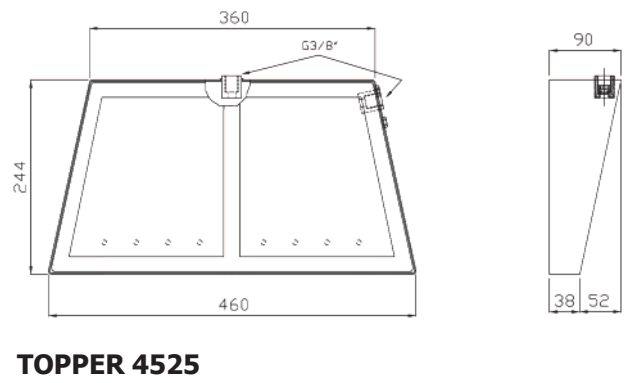
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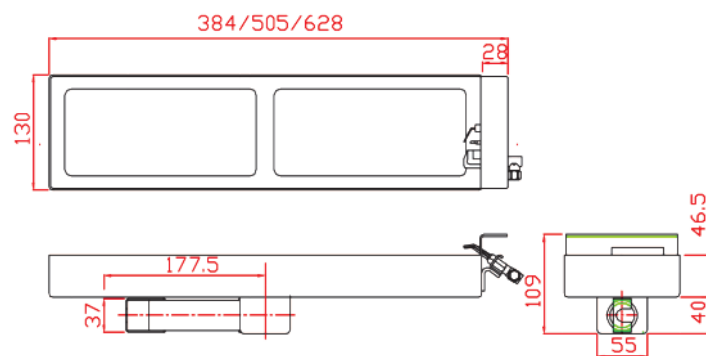
**TOPPER 2424**



**TOPPER 3613**

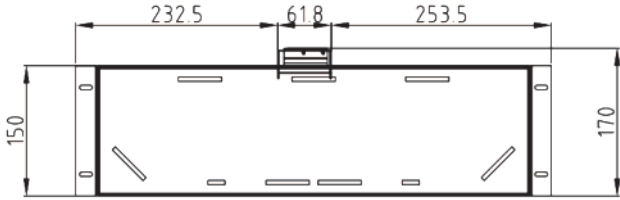
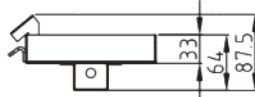
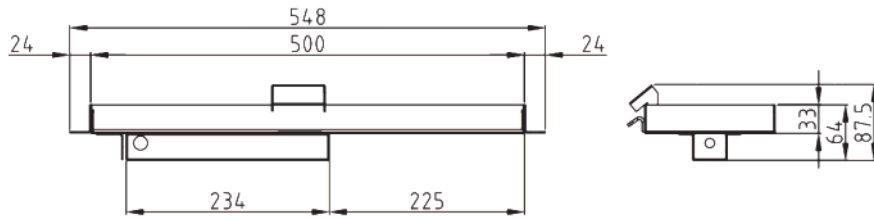


**TOPPER 4525**

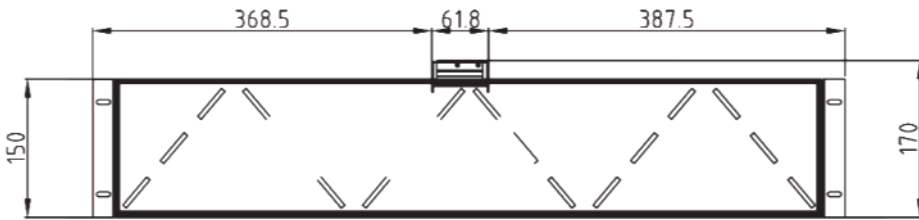
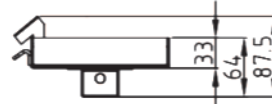
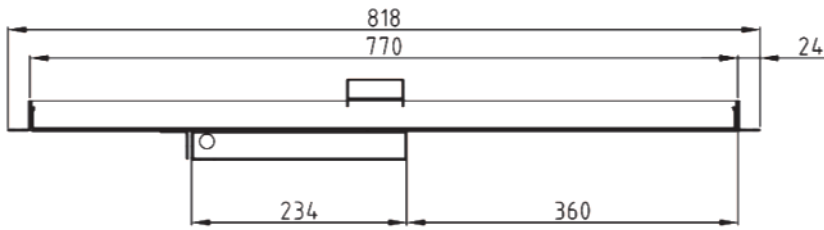


**TOPPER 3613-4813-6013**

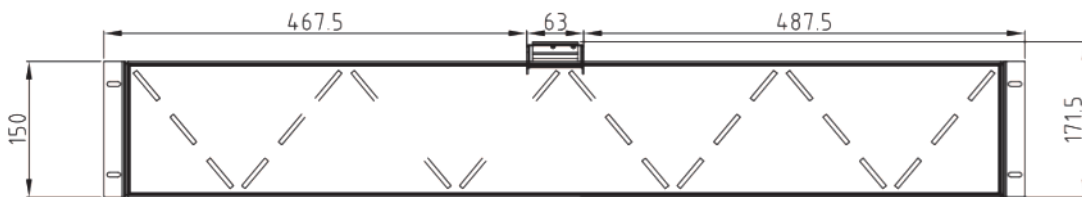
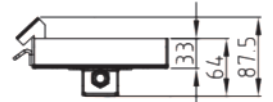
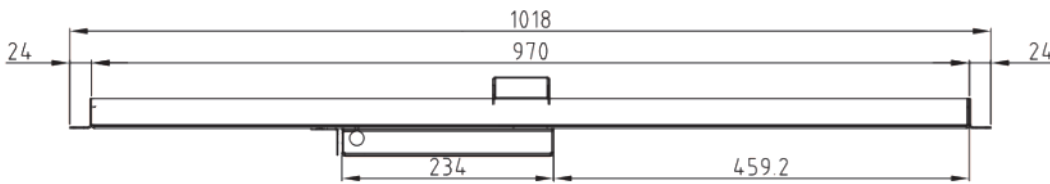
# TOPPER STEEL 5015-8015-10015-12015-14015



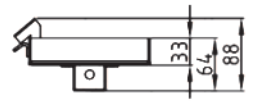
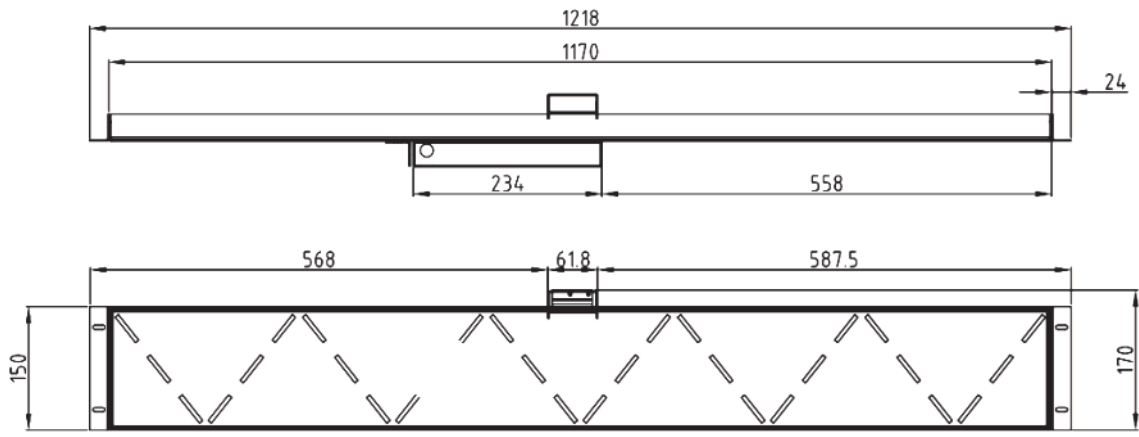
**TOPPER STEEL 5015**



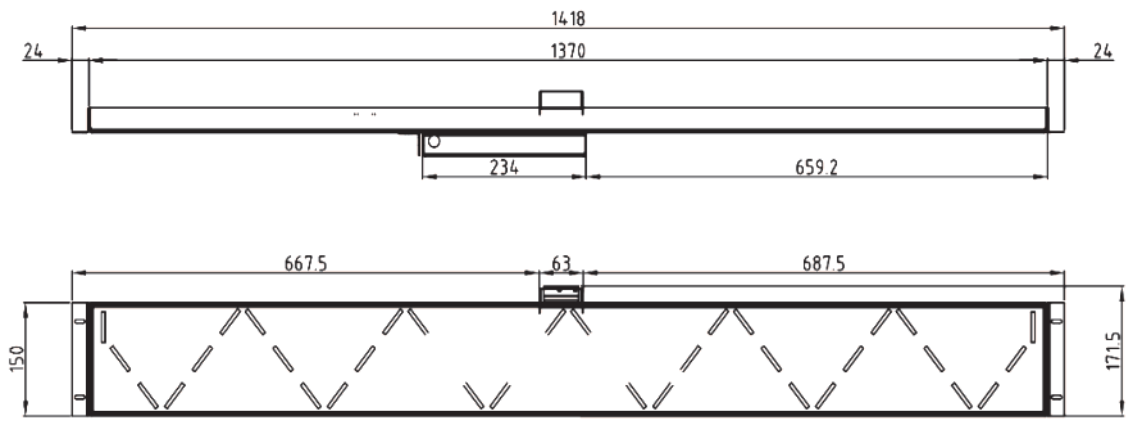
**TOPPER STEEL 8015**



**TOPPER STEEL 10015**



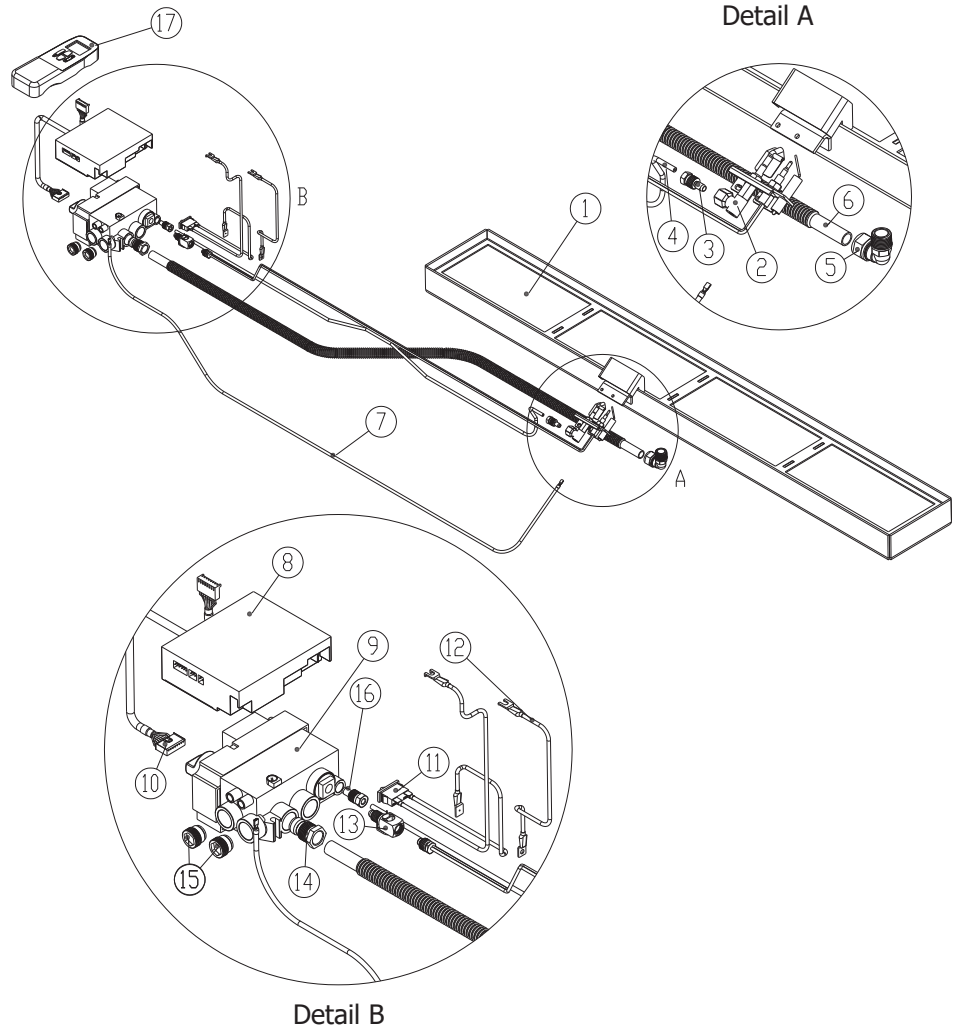
**TOPPER STEEL 12015**



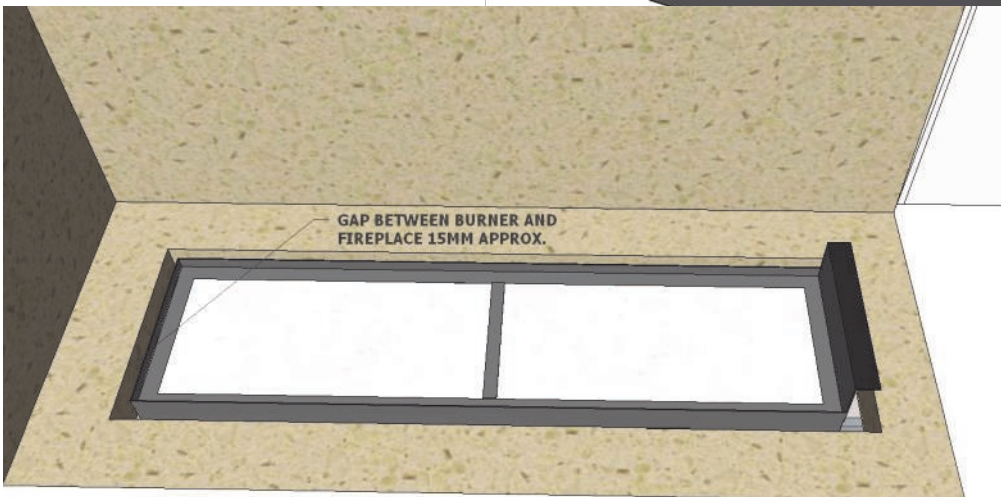
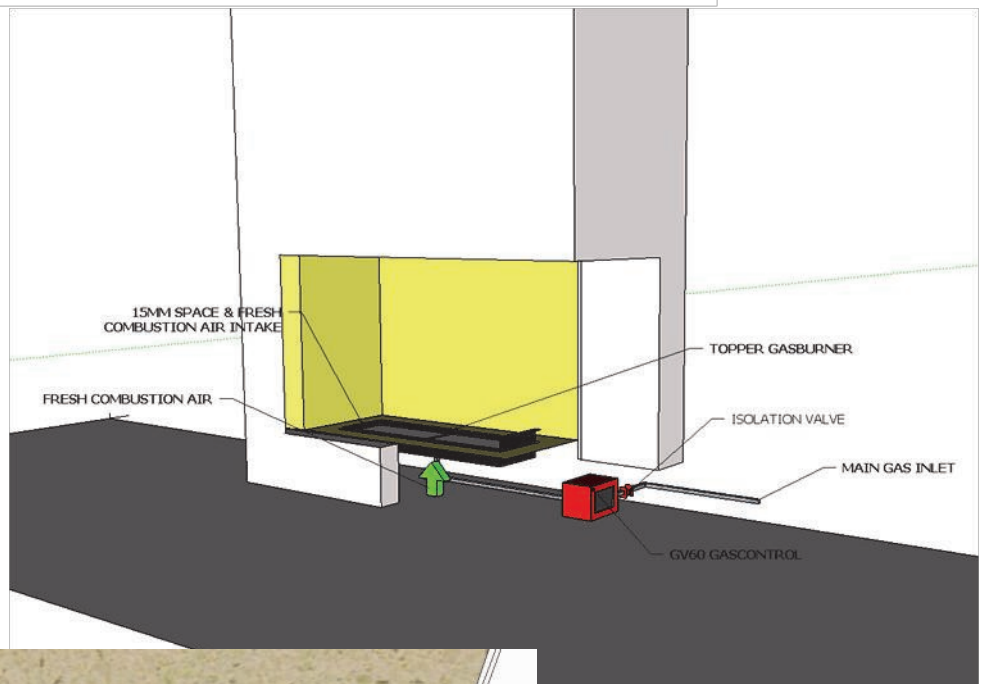
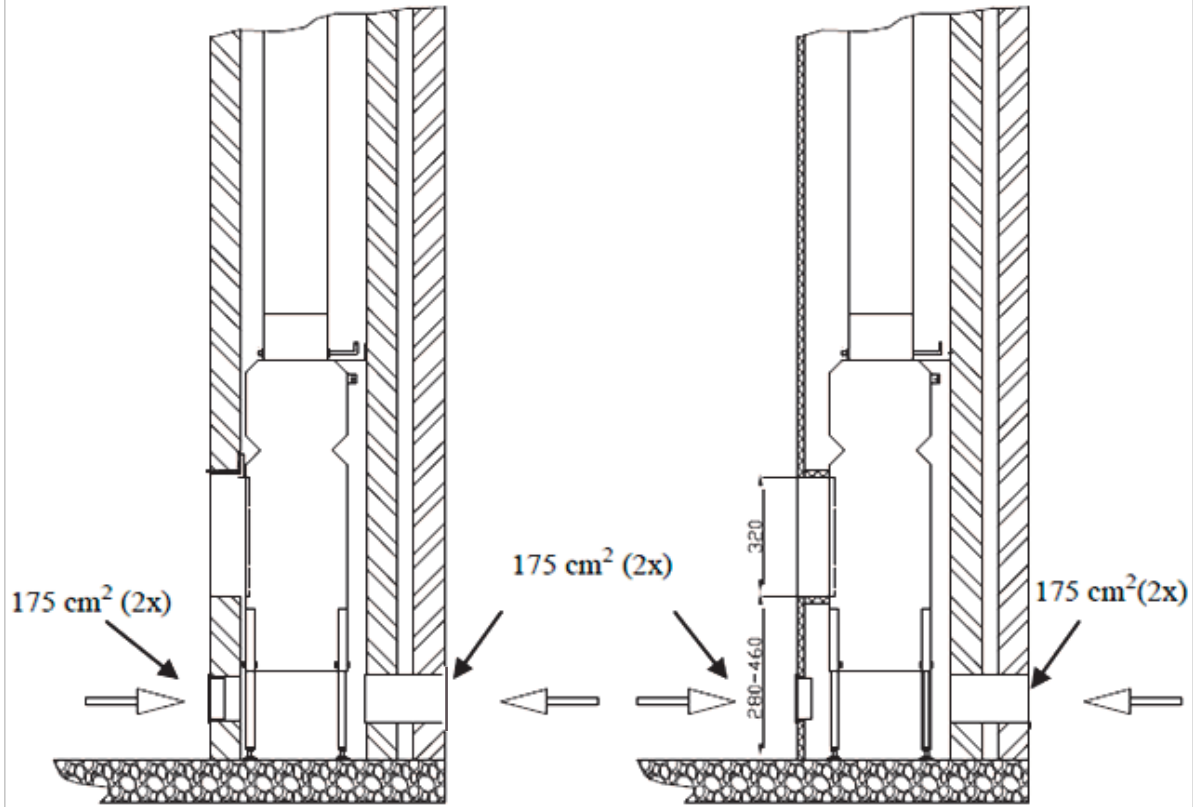
**TOPPER STEEL 14015**

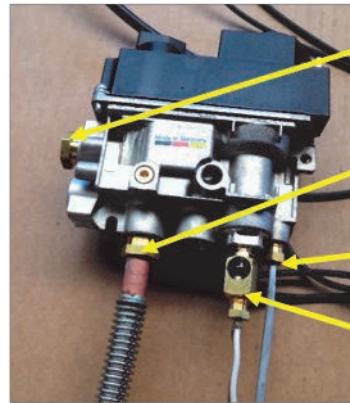
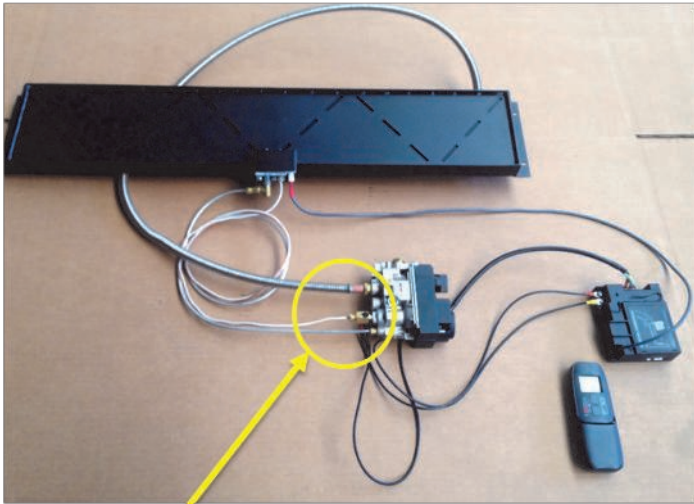


No.	Discription	Qty.
1	Topper Gas Fire	1
2	Oxipilot	1
3	Nut 4mm pilotinjector	1
4	Pilot flame gasline 4mm alu	1
5	Compression knee 3/8"x12mm	1
6	Gastube flex 12mm Flex	1
7	Ignition cable kabel L900mm 2,8x0,5	1
8	GV60 receiver G6R	1
9	GV60 gasvalve AB	1
10	GV60 multicable 8x	1
11	GV60 cable 500mm switch	1
12	Thermocouple L500 mm SB fires	1
13	GV60 M9x1 thermocouple interrupter	1
14	GV30/60 Nut 3/8"	1
15	GV30/60 plug 3/8"	1
16	GV60 olive/nut 4mm	2
17	GV60 remote control G6R thermostat	1



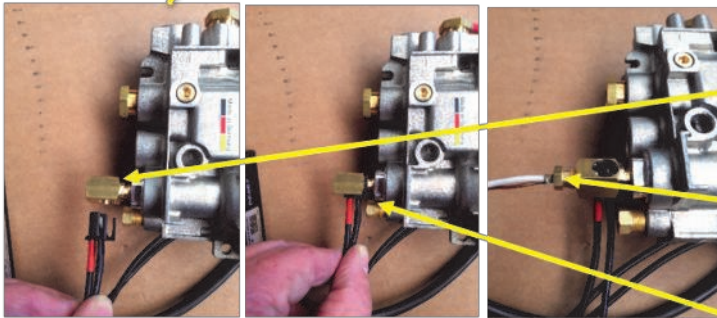
# APPENDIX 3. INSTALLATION EXAMPLES TOPPER BURNERS





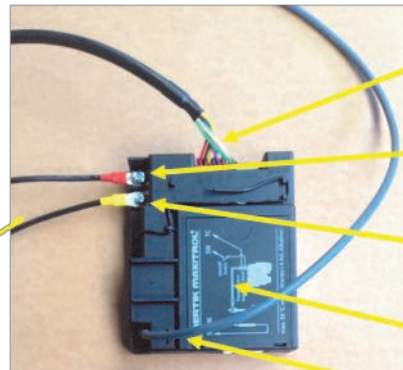
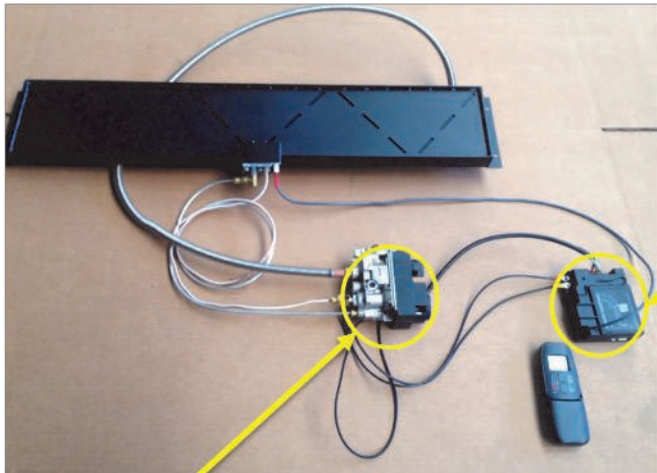
- Mains gas inlet
- Flex gasline to burner
- Pilotgas connection
- Thermocouple connection

GV60 gasvalve backside connections



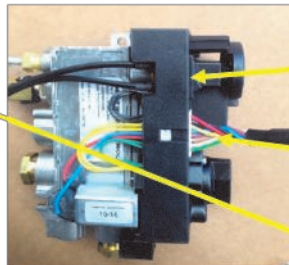
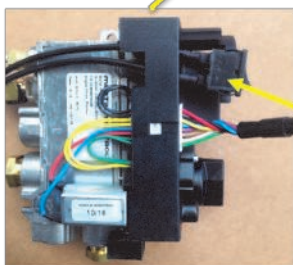
- Push connectors in plastic isolator (small/big connector!)
- Fix thermocouple (1/4 turn over hand tight!!)
- Push isolator in interrupter & turn hand tight!

Thermocouple interrupter fixing



- Multicable 8 connection
- Red thermocouple cable
- Yellow (switch) thermocouple cable
- Battery hatch
- Ignition cable

Connections on receiver



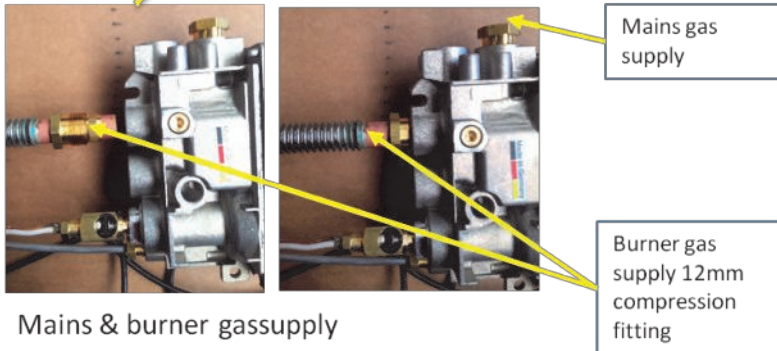
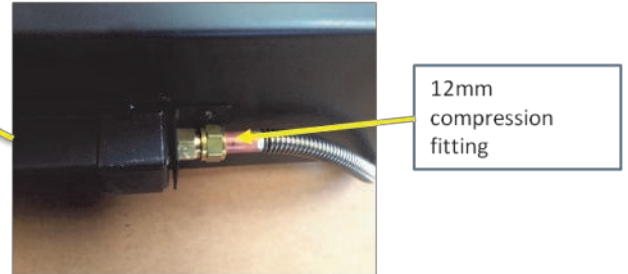
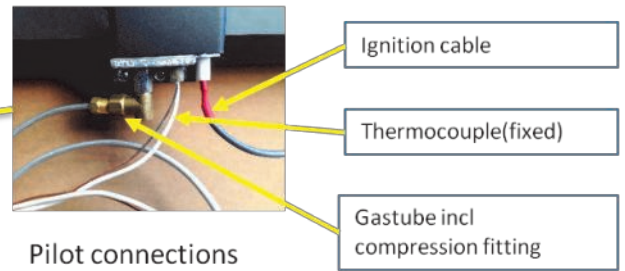
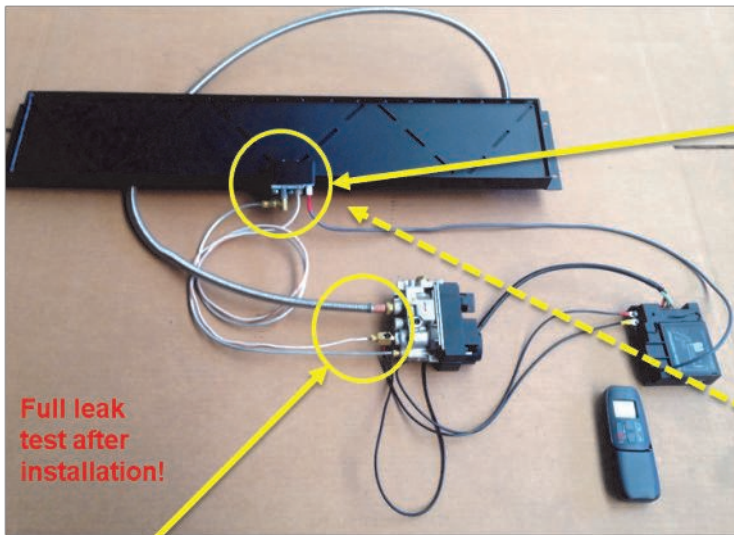
- Click in gasvalve
- Multicable 8 connection
- Cable with switch

Thermocouple switch cable

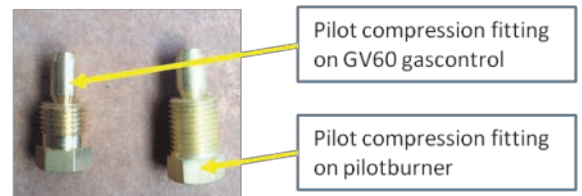


- Optional powerflue connection

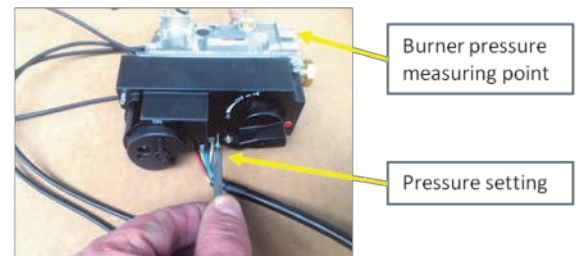
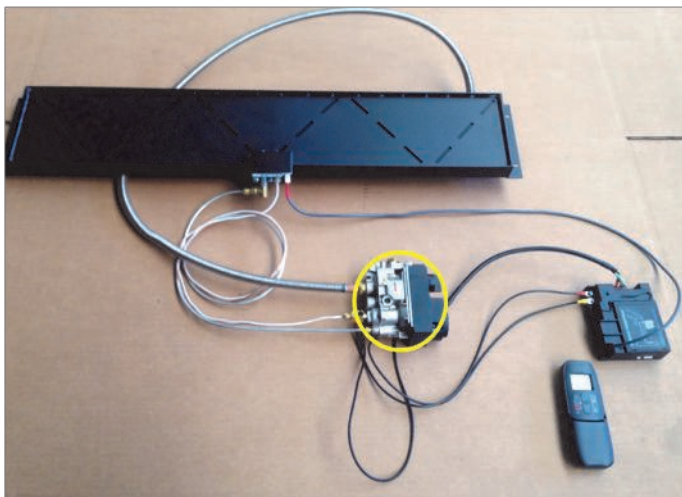




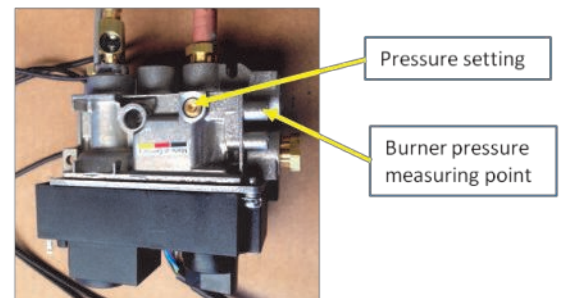
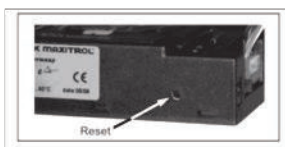
Main gassupply underneath or on side of burner



## Topper Gasfires; pressure adjustments & remote synchronisation



Setting full load burnerpressure, see manuals for correct values



Low flame setting of burnerpressure, see manuals for correct values

Synchronization process:

- Press & hold receiver reset button until you hear 2 acoustic signals, release reset button.
- Press low flame button on remote until you hear long confirmation signal.

**STANDAARD**

**DE LUXE**



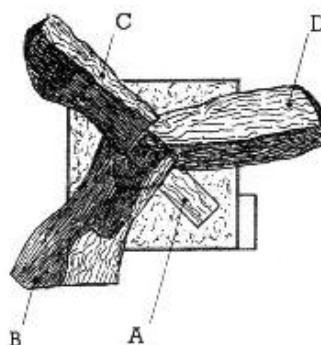
**Topper 2413**



**Topper 2413**



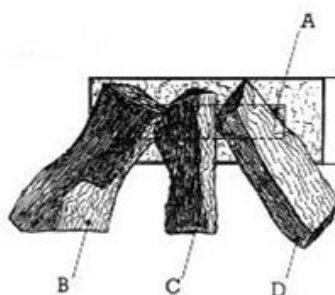
**Topper 2424**



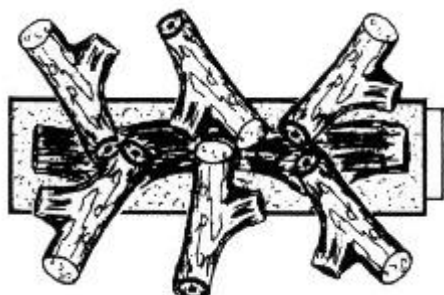
**Topper 2424**



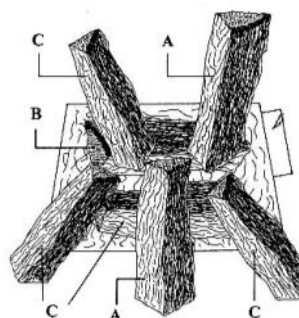
**Topper 3613**



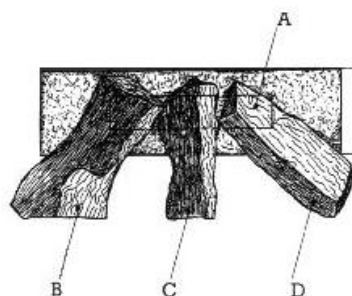
**Topper 3613**



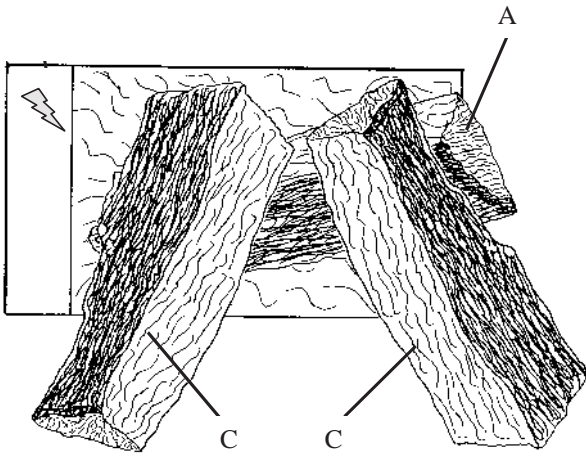
**Topper 4813 / 6013**



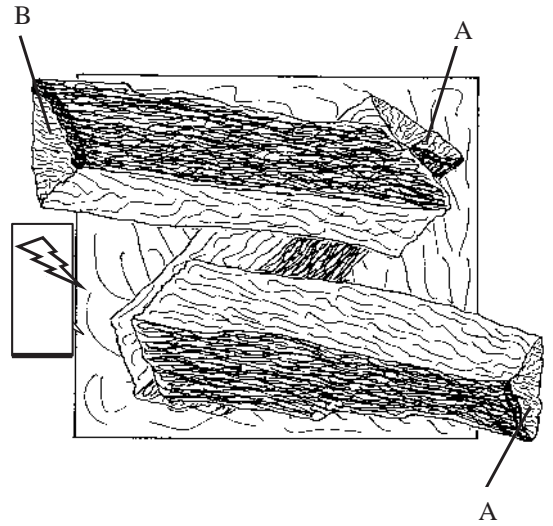
**Topper 4525**



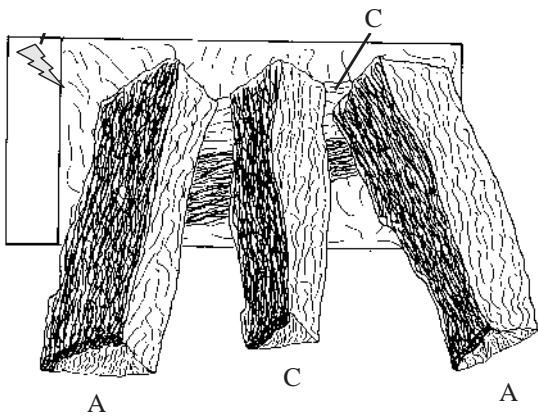
**Topper 4813 en 6013**



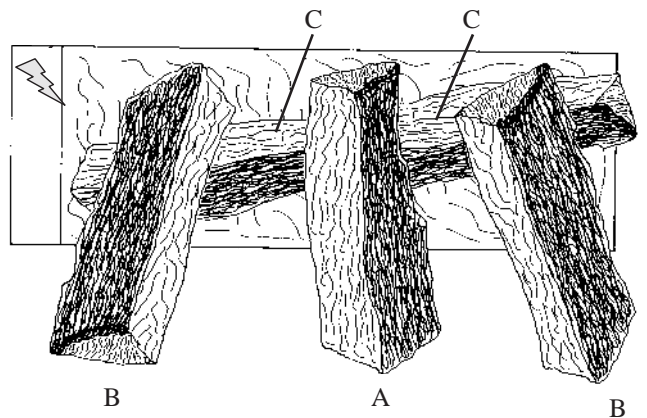
**Topper 2413 B/P**



**Topper 2424 B/P**



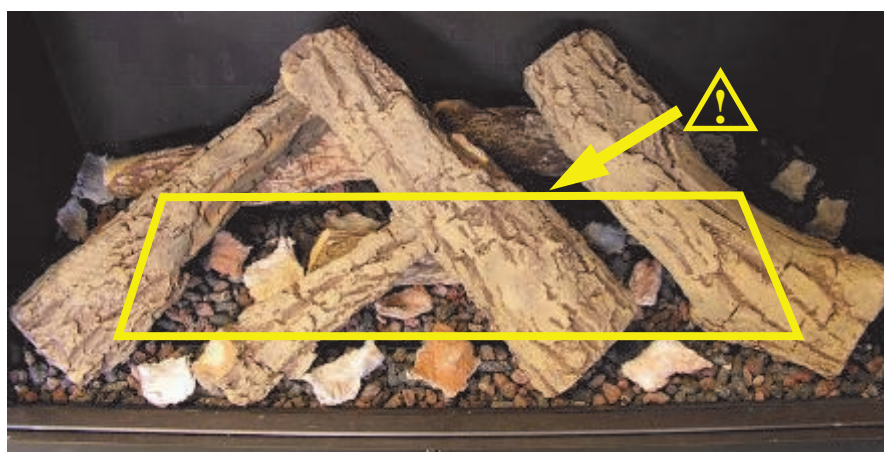
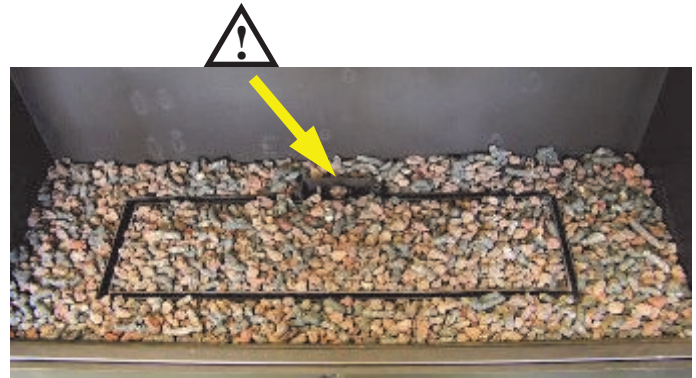
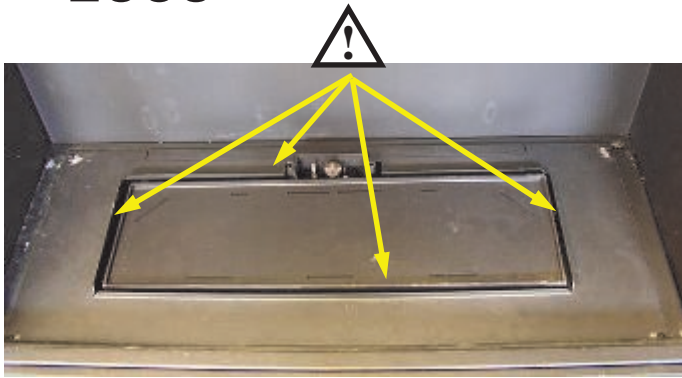
**Topper 3613 B/P**



**Topper 4813 en 6013 B/P**



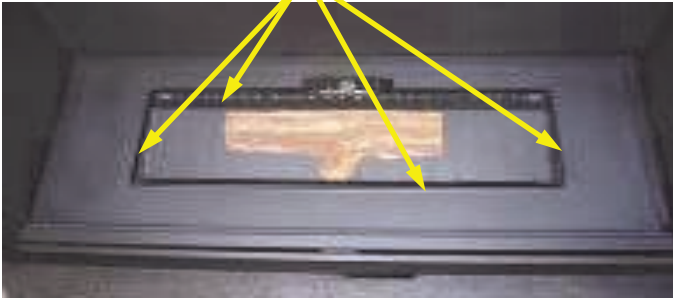
1060





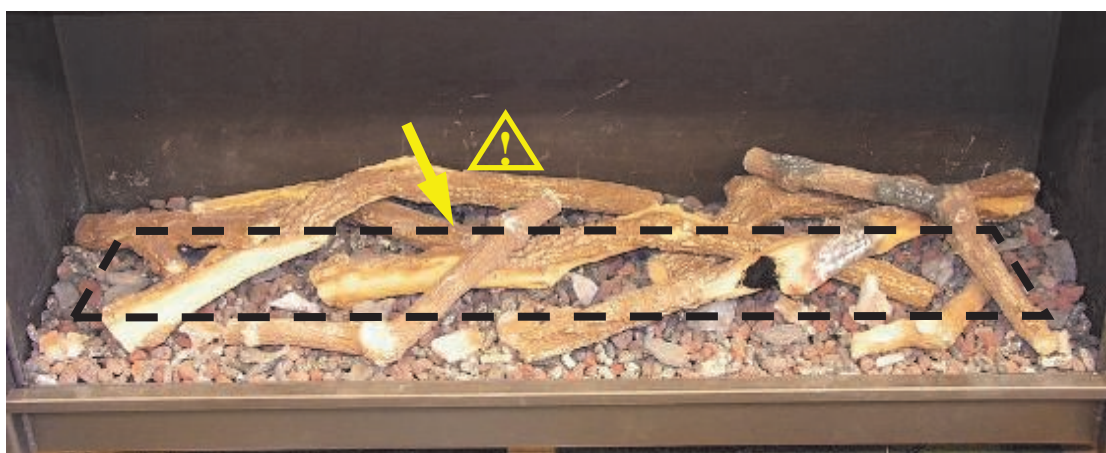
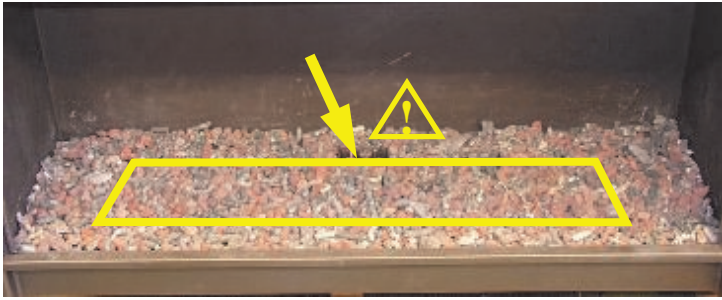


1060 B/P



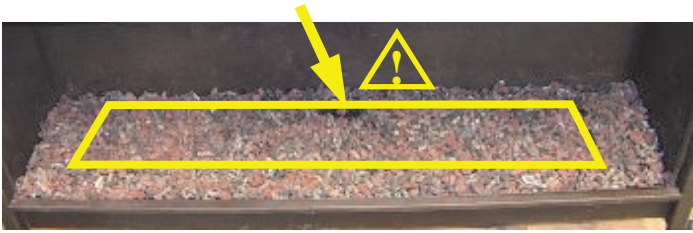


# 1061 NG - B/P



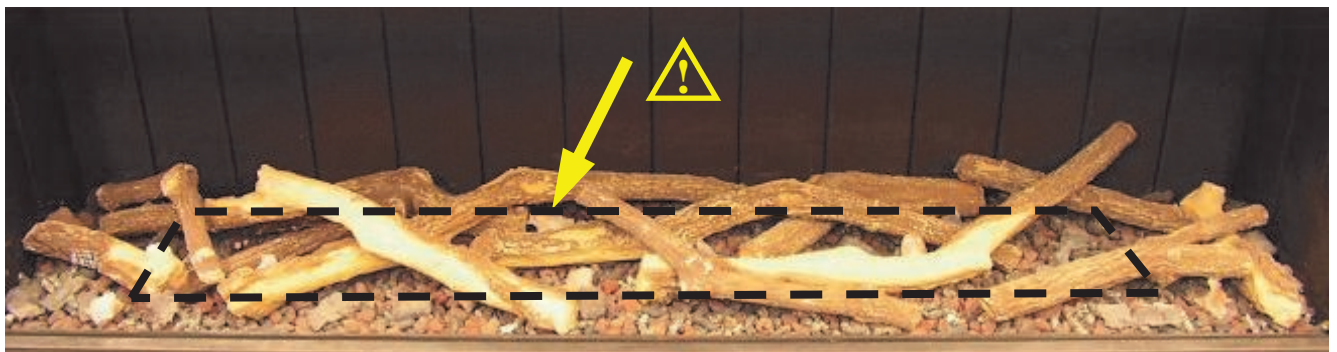


# 1062 NG - B/P



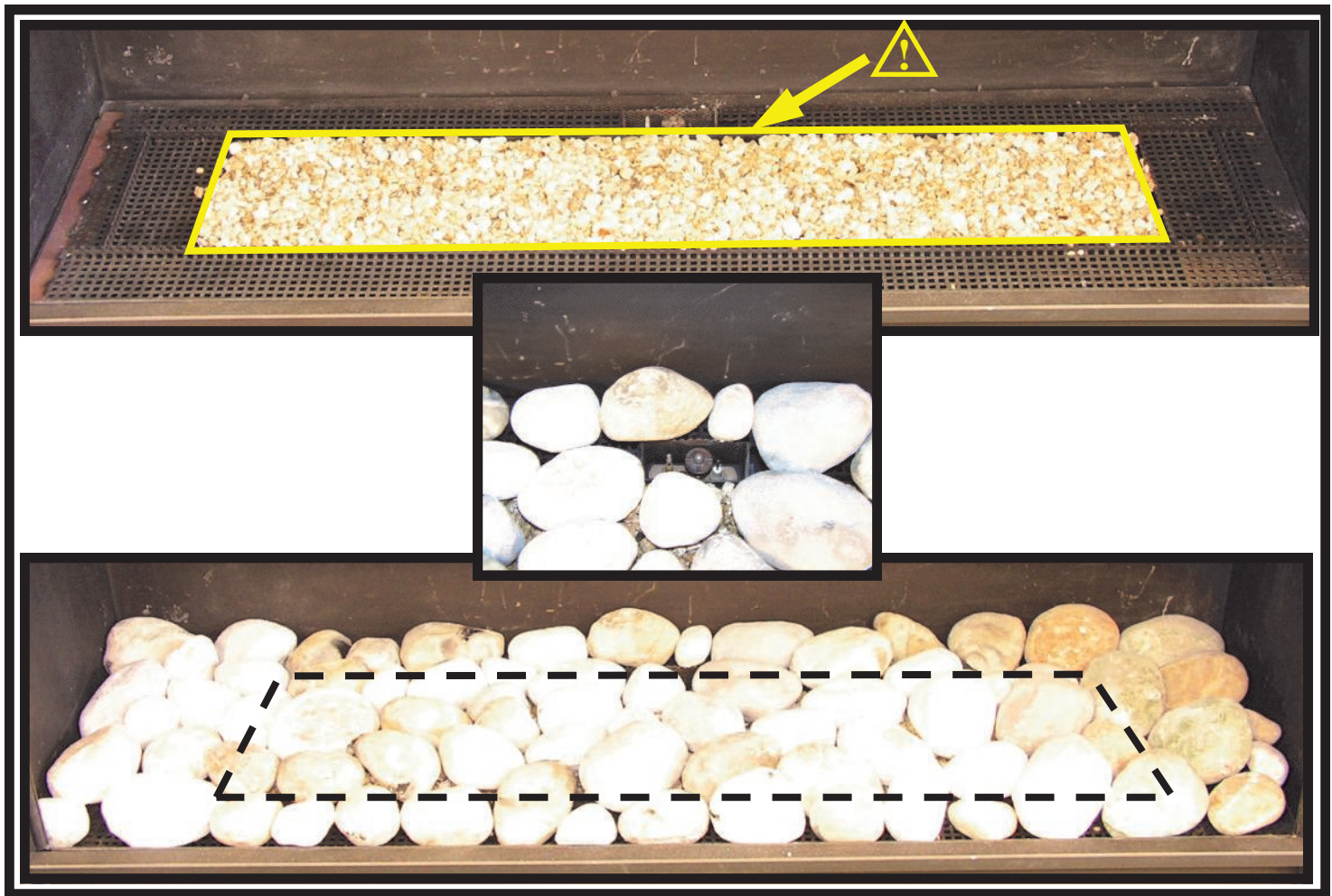


# 1063 - 1064 NG - B/P

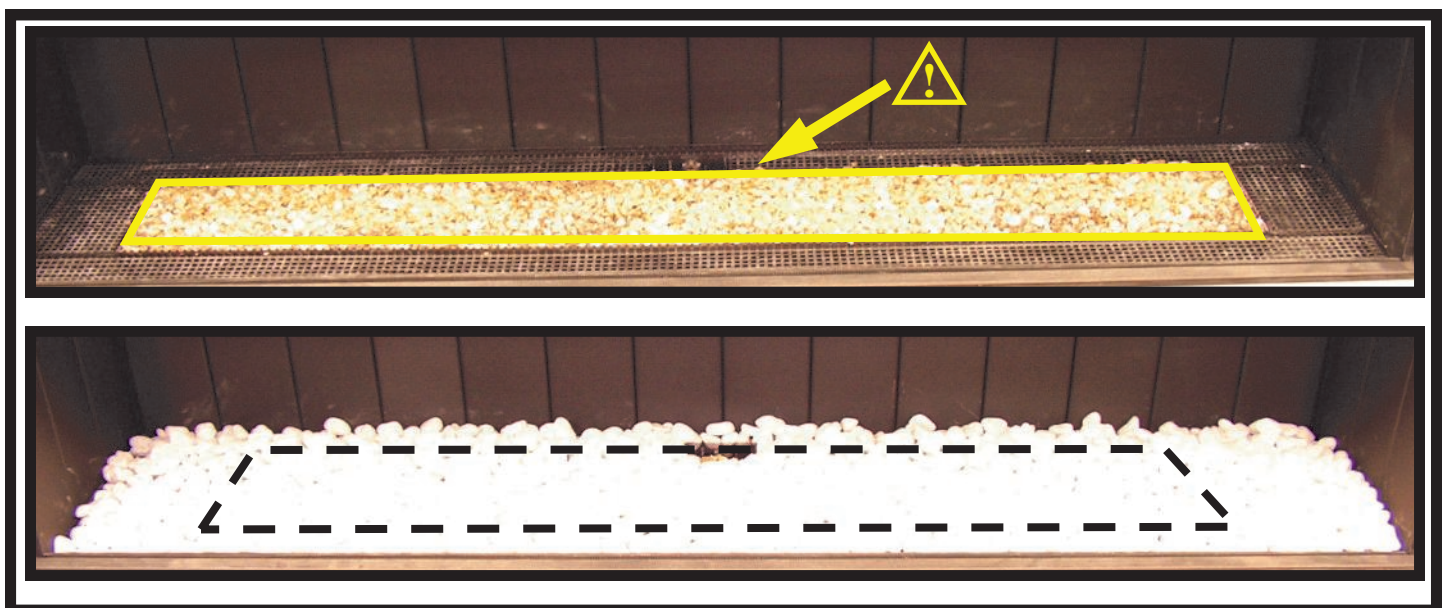




## Pebbles



## Carrara Stones



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