ECHA - TECH

OPERATING AND ASSEMBLY MANUAL
GAS FIREPLACE INSERTS
FROM THE VOURLA SERIES

WARRANTY CERTIFICATE

VOURLA 80, VOURLA 100, VOURLA 140

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Contents

INTRODUCTION

Thank you for purchasing a gas insert from the VOURLA series. This device has been designed to reproduce the appearance of a burning traditional wood fireplace as much as possible and to ensure your safety and comfort. VOURLA series fireplaces are devices with a closed combustion chamber, powered by gaseous fuels and cooperating with a concentric air-flue gas system. At the same time, we would like to inform you that the fireplace has been equipped with all appropriate security measures.

This device is CE marked and uses high-class automatic gas control. The insert complies with European directives with regard to safety, environment and energy consumption. The device has been tested in accordance with EN 613:2022 and meets the requirements of the Regulation of the European Parliament and of the Council (EU) 2016/426 of March 9, 2016 (GAR). The devices of the VOURLA series have been tested in accordance with the EN613 standard in Kiwa Belgelendirme Hizmetleri A.Ş. İTOSB (İstanbul Tuzla Org. San. Böl.) 09. Cad. No: 15 Tepeören Tuzla / İstanbul.

SECURITY

Before starting the assembly and use, please carefully read all the chapters contained in the manual. Do not throw away this manual. Keep this manual. Any additional information is available at www.echa-tech.com.

Before installing, check the local distribution conditions (identify the type of gas and its pressure) and whether the current setting of the heater is correct.

Installation, leak test and maintenance of the device may only be performed by a qualified installer / service technician with the appropriate authorization for the region.

Attention !

The burning device and the glass are hot. All surfaces of the device (including the glass) are working surfaces. It is forbidden to touch the burning device. During operation, the device is operated using a wireless remote control. If you feel any gas leaks, do not start the appliance. You should cut off the gas supply as soon as possible, ventilate the room with the fireplace and contact the service technician. Children, the elderly or other unaware persons in the vicinity of the working device should not be left unsupervised. Modifying a device and changing the way it is installed is essential for its safety and proper operation.

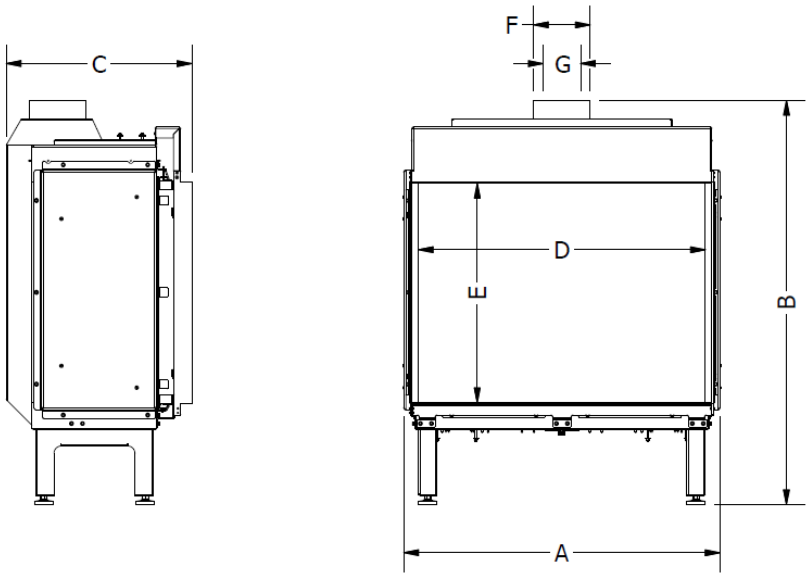
Attention!

Please read and follow these guidelines carefully:

- It is forbidden to make any modifications to the construction of the fireplace.
- In the event of malfunction of the device (no spark, no ignition), cut off the gas supply and contact a service technician.
- If the control flame goes out, wait at least five minutes before trying to ignite it again.
- Components of the gas control system must not be exposed to moisture and dust.
- During normal operation, it is forbidden to start the device without the glass installed.
- Cracked / damaged / defective glazing should be replaced immediately.
- Do not touch hot elements of the fireplace, especially the glass.
- It is forbidden to place decorative elements for lining the combustion chamber in front of the control flame.
- Flammable materials should not be placed near the fireplace.
- It is forbidden to put any flammable materials in the combustion chamber.

DEVICE DESCRIPTION

VOURLA series gas fireplaces are designed to be powered with natural natural gas (NG) and liquefied propane butane (LPG) gas. The series consists of 3 models: VURLA 80, VOURLA 100, VOURLA 140 and is equipped with automation by MAXITROL. Regardless of the model, the method of its installation, connection to the gas installation and the chimney system is identical. Fireplaces are controlled remotely with a remote control. The air is supplied to the combustion chamber and the flue gas is discharged through a concentric chimney system. The VOURLA series is equipped with protection against uncontrolled gas outflow from the installation (control burner).



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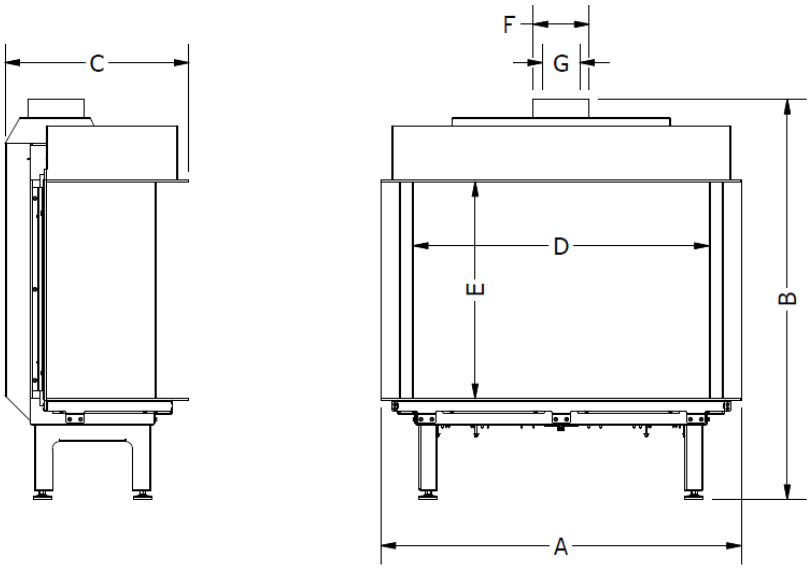

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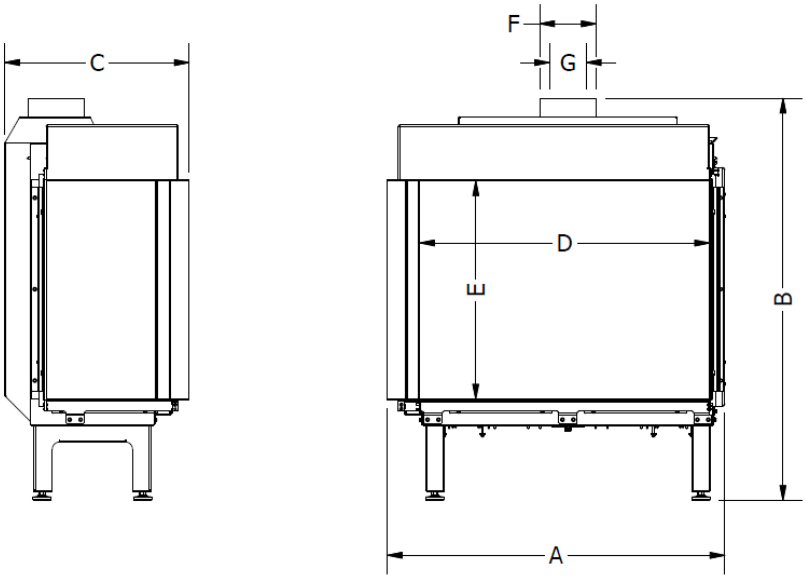

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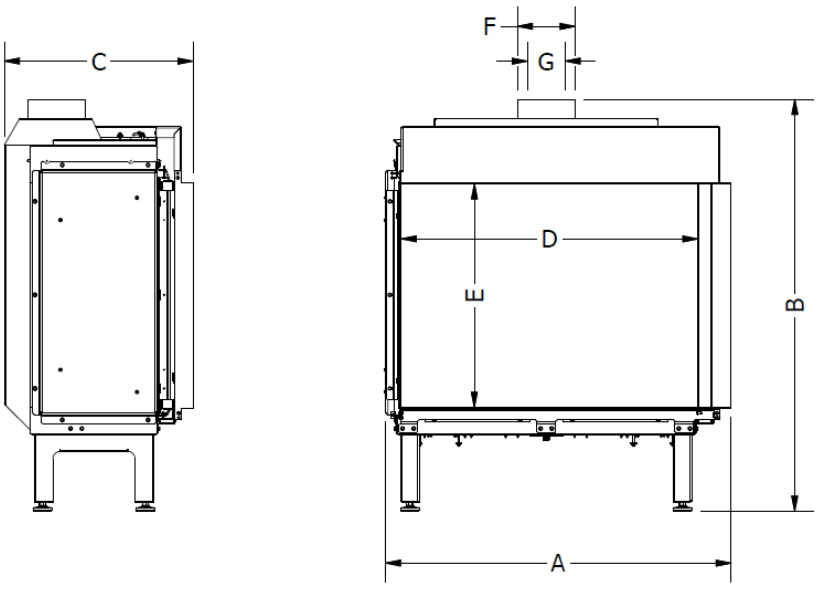

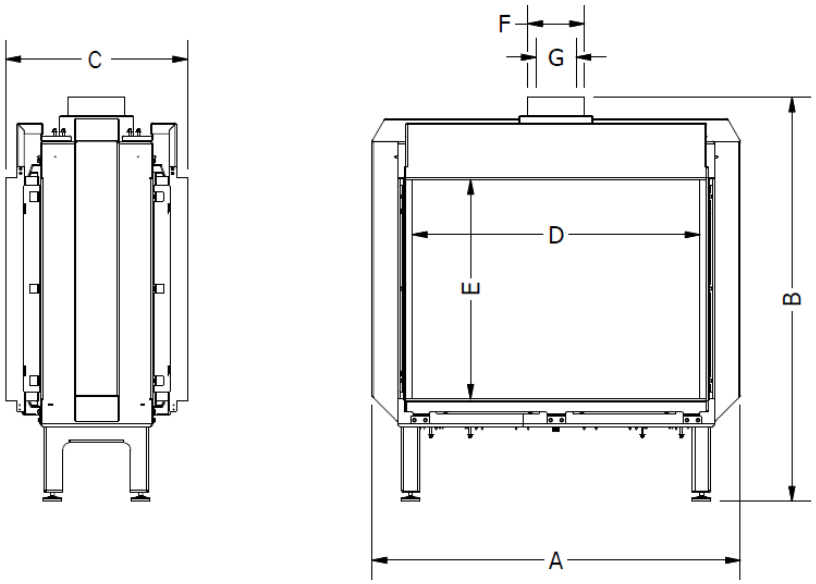

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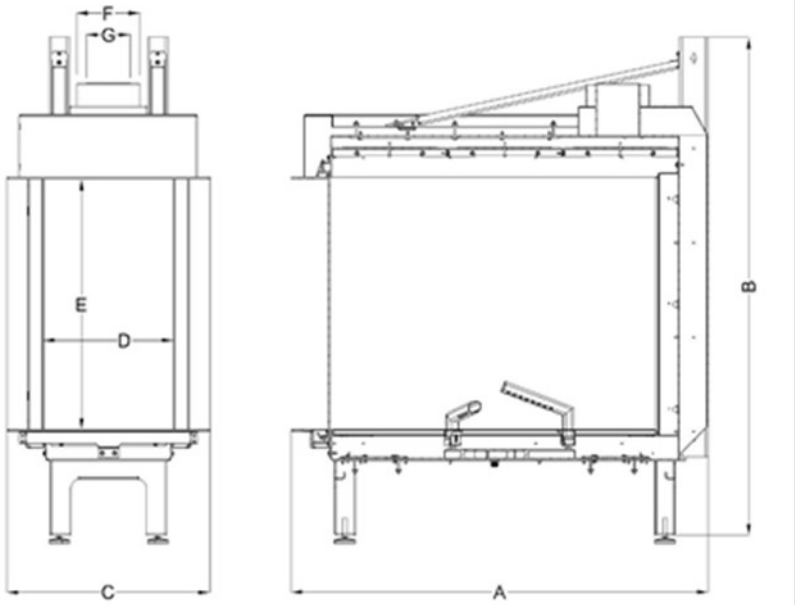

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Fig. 1. Dimensioning of VOURLA series fireplaces: a) VOURLA, b) VOURLA C, c) VOURLA L, d) VOURLA R, e) VOURLA T

EBATLAR (mm)							
	A	B	C	D	E	F	G
VOURLA 80							
VOURLA 80	860	1099	505	781	596	150	100
VOURLA 80/3V	990	1099	505	812	596	150	100
VOURLA 80/L	925	1099	505	794	596	150	100
VOURLA 80/R	925	1099	505	794	596	150	100
VOURLA 80/T	1000	1099	494	781	596	150	100
VOURLA 80/EPI	1015	1186	494	317	596	150	100
VOURLA 100							
VOURLA 100	1060	999	505	981	496	150	100
VOURLA 100/3V	1190	999	505	1012	496	150	100
VOURLA 100/L	1125	999	505	994	496	150	100
VOURLA 100/R	1125	999	505	994	496	150	100
VOURLA 100/T	1200	999	494	981	496	150	100
VOURLA 100/EPI	1215	1086	494	317	496	150	100
VOURLA 140							
VOURLA 140	1460	1049	505	1381	546	200	130
VOURLA 140/3V	1590	1049	505	1412	546	200	130
VOURLA 140/L	1525	1049	505	1394	546	200	130
VOURLA 140/R	1525	1049	505	1394	546	200	130
VOURLA 140/T	1600	1049	494	1381	546	200	130
VOURLA 140/EPI	1615	1136	494	317	546	200	130

ELEMENTS OF THE SET

When accepting the fireplace, make sure in the presence of the installer that all its elements are not damaged. Before proceeding with the installation of the fireplace, check that it is complete and includes all gas system components. In the event of any damage or shortages, please contact the customer service office at www.echa-tech.com

Elements of the gas installation of fireplaces from the series:

- Combination Control GV60
- Recevier B6R
- Handset B6R-H8
- 8 Wire Cable G6R-C
- Interrupter Block G60-ZUSV
- Thermoelement G60-ZPT
- Burner G30-ZP2M-L remote control
- Ignition Cable G60-ZKIS
- Thermocurrent Cable Interrupter Block - Receiver TC G60-ZKIRS
- Thermocurrent Cable, Interrupter Block - Receiver SW G60-ZSKS

Decorative elements:

- Ceremic Logs Set
- Chips
- Dust

DEVICE ASSEMBLY

The fireplace is equipped with a control burner that protects the device against uncontrolled gas outflow. Please read all the connection diagrams included in the manual. All devices from the VOURLA series work with an air-flue gas system that allows for simultaneous air supply to the fireplace and exhaust gas discharge outside the building. Connecting the fireplace to the gas installation and the installation of the air-flue gas system may only be carried out by a properly licensed installer. Before releasing the gas insert for use, the installer should:

- Check the local gas distribution conditions and verify the appliance settings (nameplate).
- Check the correct connection of individual system components.
- Place the fireplace in a suitable place and level it.
- Prepare and connect the air-flue gas system to the fireplace.
- Connect the fireplace to the home gas installation.
- Carry out tightness tests on the gas connections made.
- Make a test firing up in the insert.
- Check the correct operation of all system components and safeguards.

- Train the end user in the basic operation of the fireplace and safety rules.
- Fill in the installation report (at the end of the manual).

REGULATIONS

The device must be installed in accordance with the local regulations and standards in force in your country or region. Connection to chimney ducts, wall and roof passages and all kinds of elements used to install the fireplace should be made in accordance with the applicable standards of construction law.

VOURLA series fireplaces have been tested in accordance with the EN 613:2022 standard. *Gas-fired convection space heaters*. The VOURLA series meets the requirements of the Regulation of the European Parliament and of the Council (EU) 2016/426 of March 9, 2016 (GAR).

DEVICE PLACEMENT

The fireplace should only be installed vertically, on a stable, non-flammable surface with adequate load-bearing capacity. The device should be installed as close as possible to the chimney inlet, so that the air-flue gas installation has as few bends as possible. This will be guaranteed by an appropriate chimney draft. The fireplace should be leveled with the use of adjustable feet screwed into its legs. It is also important that the connection pipes are not excessively twisted after connecting the device to the gas installation. The fireplace should be at a distance of at least 30 cm from non-flammable building elements. The temperature of the walls exposed to the direct action of the fireplace cannot exceed 80 ° C. Under no circumstances should you place the device near flammable materials. The fireplace heats up to high temperatures during operation, therefore it is forbidden to dry clothes, towels, etc. near it.

CONCENTRIC AIR AND FLUE SYSTEM

VOURLA series fireplaces are designed to work with the ADELINOX concentric air-flue gas system. The method and instructions for connecting individual system components can be found at www.adelinox.com.tr. The chimney system cooperating with the VOURLA 80 and VOURLA 100 models consists of two coaxial pipes with a diameter of 150 mm and 100 mm. In the case of VOURLA 140 fireplaces, the air-flue gas system consists of 200 mm and 130 mm ducts. The pipe carries out the exhaust fumes inside, while the outside carries in the air necessary for combustion. The coaxial cable is terminated with a terminal that enables the proper operation of the system. All elements of the chimney system should be connected with each other with dedicated elements. No element of the chimney system may be insulated. Direct connection of the fireplace with the concentric system should be sealed with the use

of high-temperature silicone. The chimney system is available from the manufacturer of VOURLA series fireplaces (www.echa-tech.com).

CONNECTING THE DEVICE USING A CONCENTRIC CHIMNEY SYSTEM

VOURLA series fireplaces are adapted to work with C11, C31 and C91 chimney systems. Depending on the type, the concentric system can lead out both through the wall and the roof of the building, and also use the existing ceramic chimney. In all cases, the building codes applicable in your region must be observed. Regardless of the type, the installation of the chimney system should begin with the installation of a 1-meter vertical section at the fireplace outlet. The installation of the chimney system, passages and openings in the roof sheathing, side wall, ceiling, etc. should be made and sealed in accordance with the building regulations in force in a given region. The exhaust outlet and air intake should be in an area of the same pressure. Depending on the type of the chimney system, it should be terminated with an appropriate terminal (vertical / horizontal). The flue gas terminal can be led out in any place as long as it is located in accordance with the building regulations in force and is not exposed to wind pressure.

CONCENTRIC SYSTEM OUTLET THROUGH THE WALL - TYPE C11

When leading the chimney system through the side wall of the building, remember to start the installation with installing a one-meter vertical section at the outlet of the fireplace. The maximum length of the horizontal elements of the C11 chimney system must not exceed 3 meters. Only one 90° elbow can be used with this type of solution. At the end of the system, install the horizontal terminal. All channels cannot be insulated. If the chimney system is led out through the side wall, all dampers in the deflectors must be fully open.

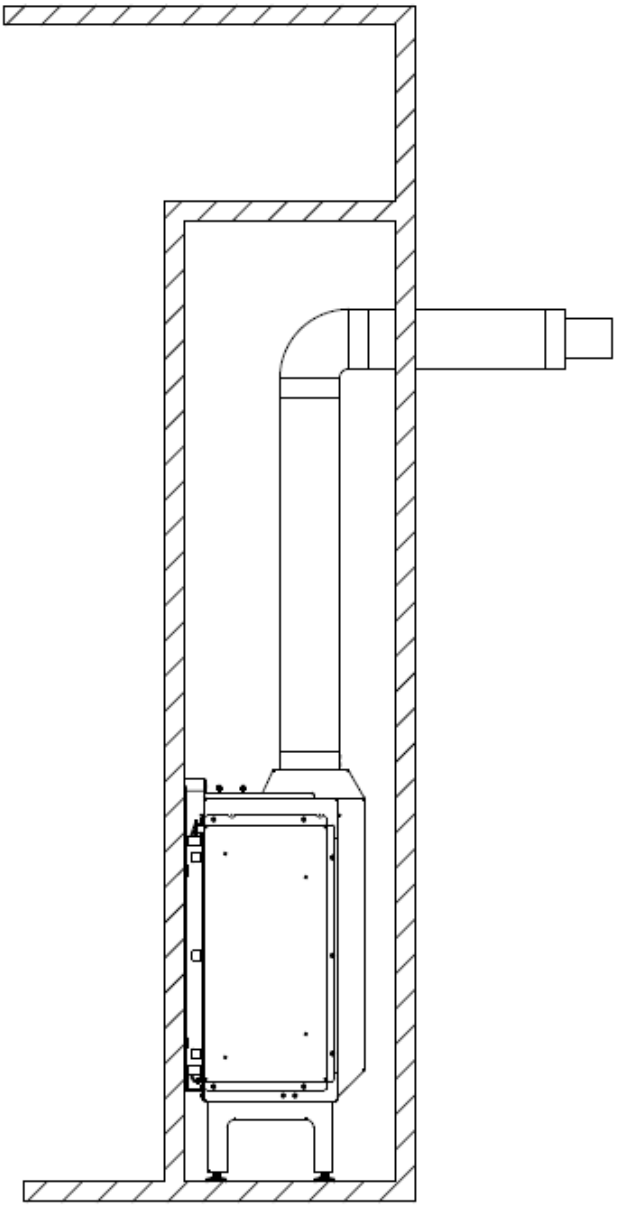


Fig. 2. Installation of the C11 concentric chimney system

CONCENTRIC SYSTEM OUTLET THROUGH THE ROOF - TYPE C31

When leading the chimney system directly through the roof of the building, remember that the maximum length of the chimney should not exceed 12 meters. All channels cannot be insulated. Two 45 ° bends and two 90 ° bends are allowed. When calculating the chimney length, the 45 ° bend is converted as 1 m and the 90 ° bend as 2 m.

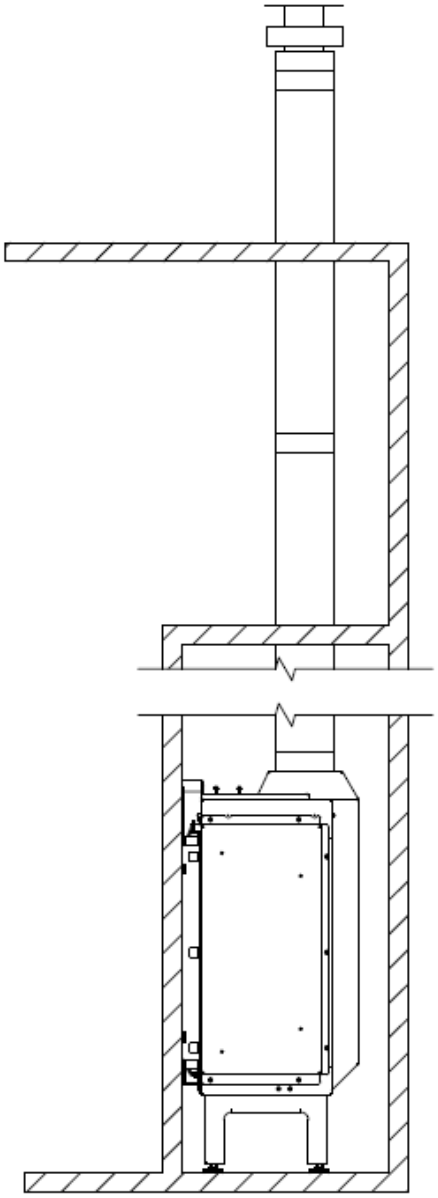


Fig. 3. Installation of the C31 concentric chimney system

EXISTING A CONCENTRIC SYSTEM WITH AN EXISTING CHIMNEY - TYPE C91

When carrying out the chimney system using an existing chimney, make sure that the chimney is in good technical condition and free from contamination. In the case of a round ceramic chimney, its internal diameter must not be less than 150 mm (VOURLA 80 and VOURLA 100) or 200 mm (VOURLA 140). In the case of rectangular chimneys, their internal dimensions cannot be smaller than 150x150 mm (VOURLA 80 and VOURLA 100) or 200x200 mm (VOURLA 140). Connecting the fireplace to the existing chimney system should be made in accordance with the provisions of the construction law and relevant standards in force in a given region. The chimney cannot be equipped with a draft inducer. When installing the C91 type chimney system, always install a 1 m long concentric section at the outlet of the fireplace. The connection between the concentric system and the existing chimney

should be tight. Inside the existing chimney, there is a flue gas discharge channel. When calculating the total length of the chimney also in this case, it should be assumed that the 45 ° bend is converted as 1 m and the 90 ° bend as 2 m.

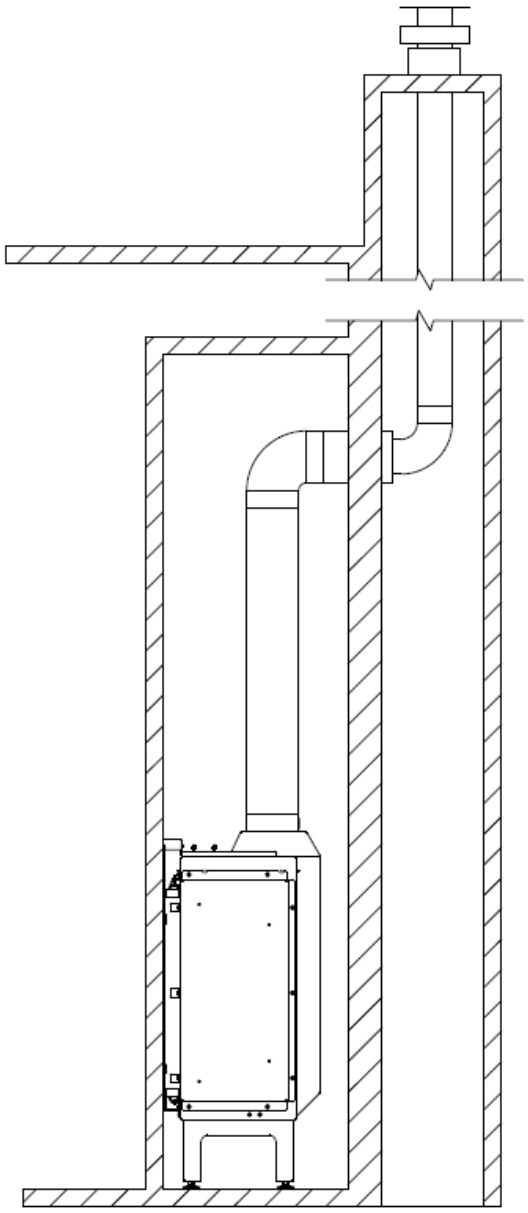


Fig. 4. Installation of the C91 concentric chimney system

THROTTLE SETTINGS IN DEFLECTORS

Depending on the configuration of the chimney system, the installer should select the settings of the diaphragms located in the deflectors. Deflectors in the entire VOURLA series are equipped with three rotary dampers with several levels of regulation. To change the throttle settings, remove the locking screw from the deflector, adjust the throttle settings, and then reinstall it. If the chimney is led out through the wall (C11), the installer should ensure the maximum flow of exhaust gases, therefore the dampers in the deflectors should be set to their extreme open position. In the case of

C31 and C91 systems for the maximum length of the chimney, the dampers should be set in their extreme closed position.

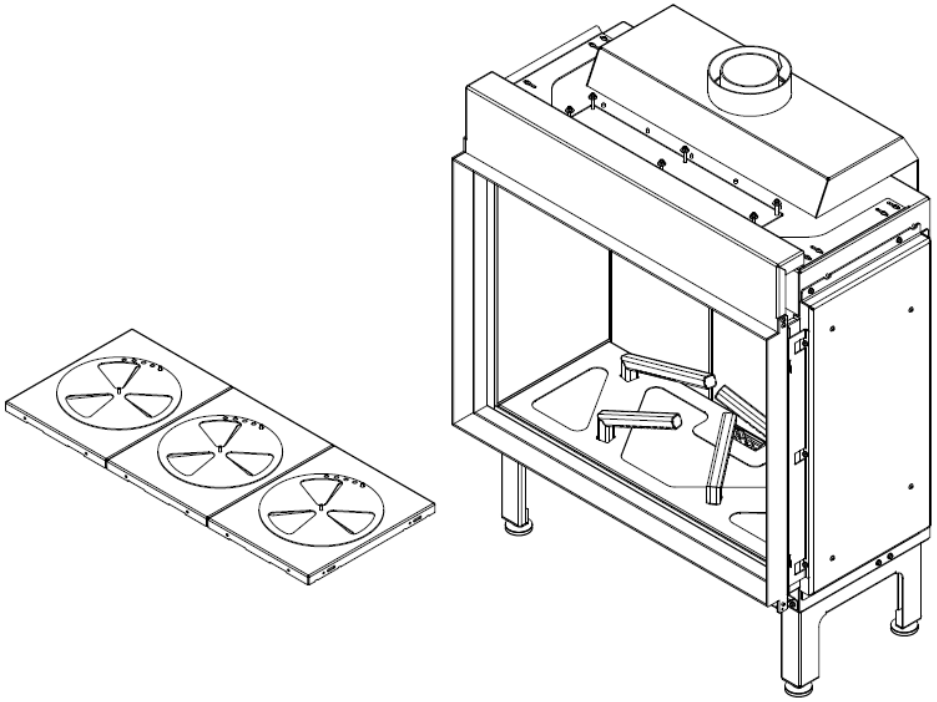


Fig. 5. Deflectors with dampers used in the VOURLA series

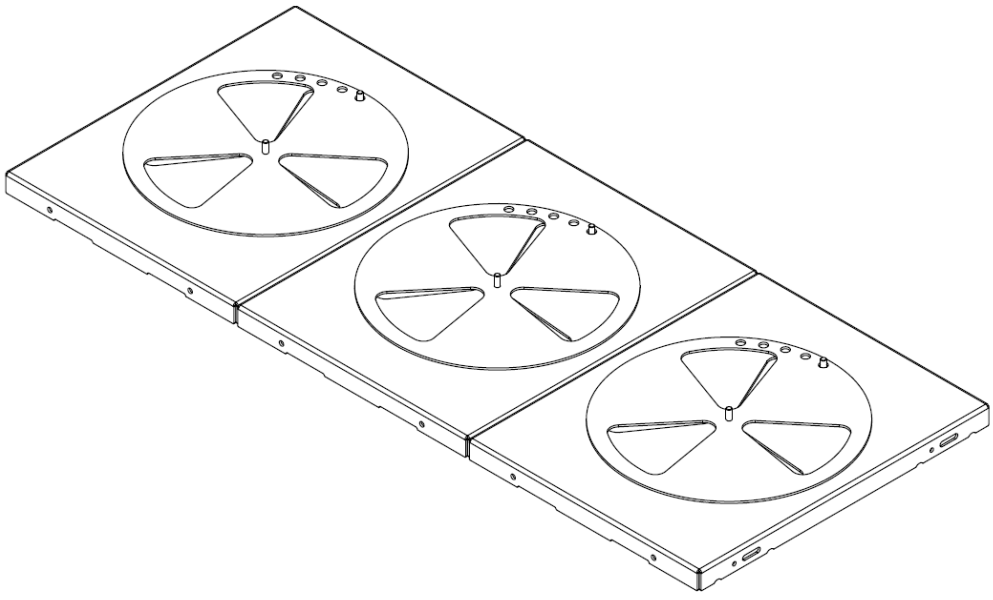


Fig. 6. Deflectors with dampers used in the VOURLA series in extremely closed position

DESCRIPTION OF THE GAS CONTROL SYSTEM

Attention!

The fireplace with the gas control system can only be installed in the factory settings. It is forbidden to make any changes to the automatic gas control system. If it is necessary to replace individual components of the system, use only original parts available for sale from the fireplace manufacturer.

The VOURLA series works with the MAXITROL system. The main element is the GV60 controller equipped with a solenoid valve and gas pressure regulators. The controller is controlled by a receiver with an antenna for operating the device with a remote control. The system is equipped with a control burner with a spark gap and a thermocouple. Electric and gas cables used in the control system may not be lengthened or shortened, as this may affect the improper operation of the fireplace. The MAXITROL system is powered by batteries and does not require an external power source. A spark is generated on the ignition device during the ignition procedure. The spark is transferred from the receiver to the control burner by means of the ignition cable. Do not place the ignition cable too close to the metal parts of the fireplace as this can cause a puncture. Contact of the ignition cable with the receiver housing may damage it. Contact of the receiver antenna with the ignition cable may damage it. The GV60 controller and the B6R receiver should be installed in a place where the temperature does not exceed 50 ° C. Exposing the system electronics to temperatures above 55 ° C will activate the automatic thermostat and extinguish the fireplace. Exposing the automation to temperatures higher than 80 ° C may cause irreparable damage. System components must not be exposed to moisture, dust and factors influencing the formation of corrosion.

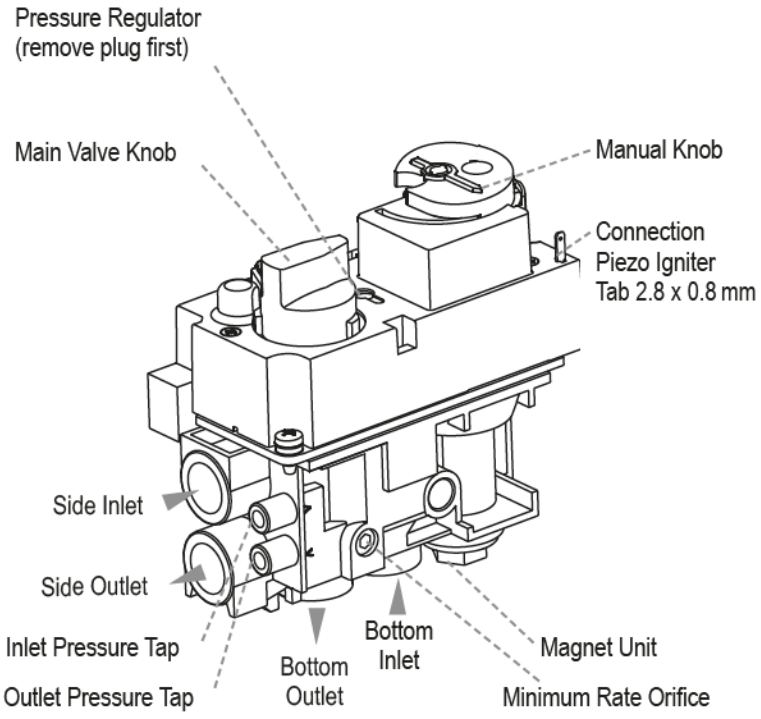


Fig. 7. GV60 controller in the basic position

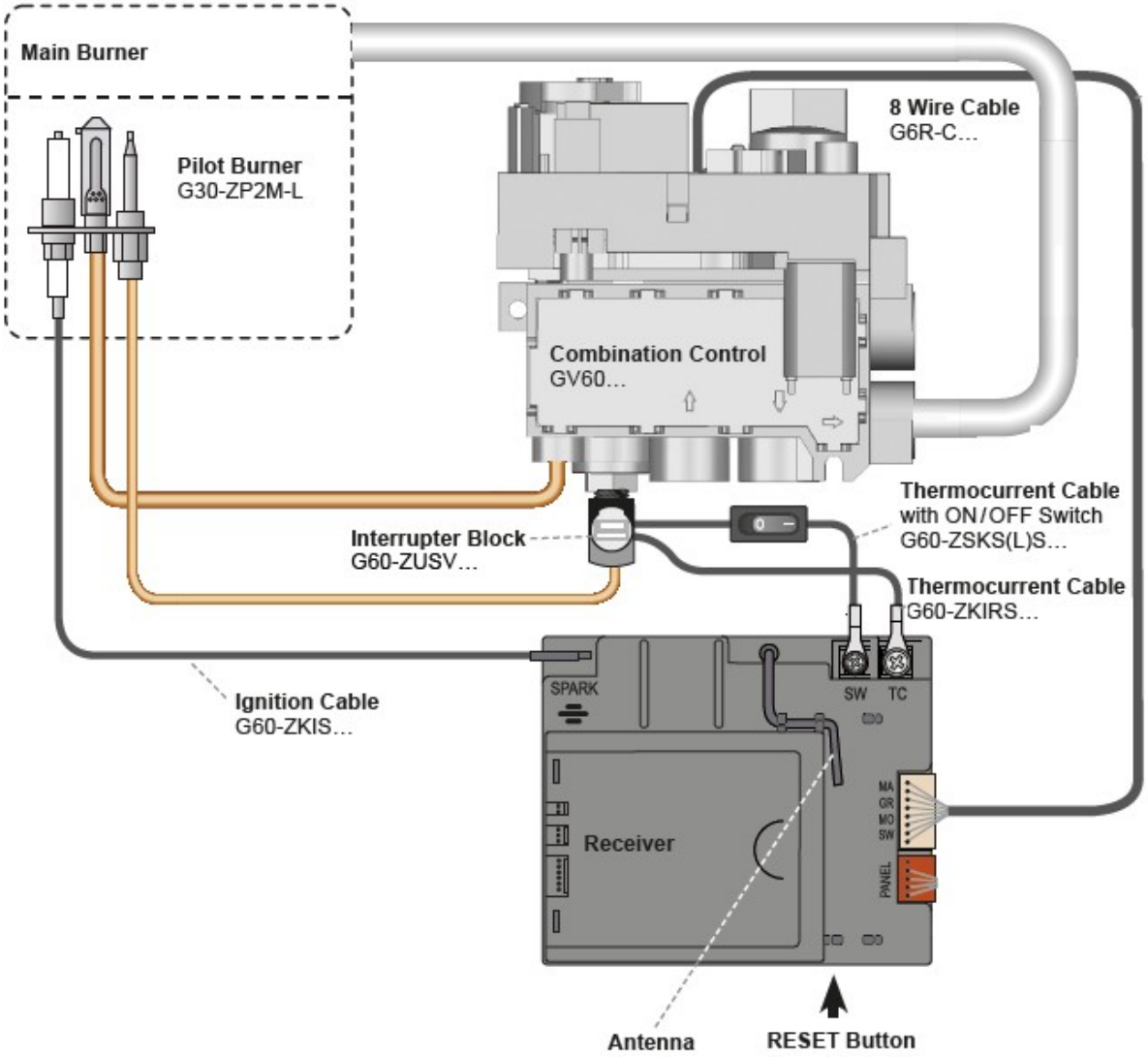


Fig. 8. Diagram of the complete gas control system

The GV60 controller cannot be mounted upside down. The position of the controller can be adjusted in the range from 0° to 90° in relation to its basic position (also vertically). It should be remembered that all unused gas inlets or outlets should be secured with appropriate plugs.

Description of the gas control system used in the VOURLA series:

FULFILLED DIRECTIVES AND REGULATIONS	2009/142 / EEC and DIN EN 298, DIN EN 126, DIN EN 13611, GAR 2016/426
FUEL	Gaseous fuels of the first, second and third families according to the EN-437 standard

PRESSURE DROP / CAPACITY	2.5 mbar for 1.2 m3/ h
ADJUSTMENT RANGE	Class C according to EN 88
ADJUSTMENT OF THE REDUCER	5 to 40 mbar
MAXIMUM GAS INPUT PRESSURE	50 mbar
MAIN GAS INLET CONNECTION	Rp ⅜ 8 mm
CONTROL BURNER CONNECTION	M10x1
MAIN GAS INLET AND OUTLET	To the side
MAXIMUM TIGHTENING TORQUES	⅜ "inlet and outlet connection: 35 Nm Control burner connection: 15 Nm
THERMOCOUPLE / BREAKER BLOCK	M9x1
IGNITION	Piezo ignition
PERMISSIBLE WORKING TEMPERATURE	Controller: 0 ° C to 80 ° C Receiver with batteries: 55 ° C Remote control: 60 ° C Ignition cable: 150 ° C

CONNECTING THE DEVICE TO THE GAS INSTALLATION

Attention!

Do not use open fire! Failure to follow instructions can cause a fire or explosion, causing serious damage to health, or even death. All activities related to the connection of the device to the gas installation should be carried out with the power disconnected.

Before installing, check the local distribution conditions (identify the type of gas and its pressure) and whether the current setting of the heater is correct. Information on the fireplace settings can be found on the rating label located on its housing. Installation, leak test and maintenance of the device may only be performed by a qualified installer / service technician with the appropriate authorization for the region. Before connecting the gas supply pipes, they should be blown through in order to remove metal filings and other impurities from inside them. The gas supply line to the fireplace should be equipped with a inch ball valve and a gas filter. The GV60

controller has a gas connection stub with a ½ inch external thread. The fireplace can be connected to gas through a flexible gas hose with a length of no more than 3 meters. The cable must have a certificate that allows it to work with the gas specified on the rating plate of the fireplace.

After connecting the system to the gas network, it is necessary to check the tightness of the connections made with a special sensor. If leaks are found, close the gas shut-off valve and repeat the steps related to the installation of individual parts of the kit.

GAS OUTLET PRESSURE ADJUSTMENT

Attention!

VOURLA series gas fireplaces have been factory adjusted to be powered with the selected gas, under the specified pressure, specified on the rating plate located on the device. It is forbidden to modify the pressures. Changing the gas regulator settings may cause improper operation of the fireplace, thus endangering life and health. Pressure adjustment may only be performed by a qualified service technician authorized by the manufacturer.

POWER CONNECTION

Attention!

Connect the power supply only after connecting the air / flue gas system and supplying gas to the connection socket of the V60 valve.

The B6R receiver is powered by four AA batteries. Pay special attention to keep the electric wires connecting the gas controller with the receiver away from the hot elements of the fireplace. The need to replace the batteries in the remote control is indicated by the indicator displayed in the upper right corner of the display, while short cyclic signals appearing for three seconds immediately after starting the ignition procedure in the fireplace indicate the need to replace the battery in the receiver. Only install batteries of the same type and manufacturer. Do not install new batteries together with used ones. Used batteries in the receiver can overheat, leak or even explode. Do not install batteries in the device that have been exposed to the sun, moisture, high temperature or shock.

CONSTRUCTION OF THE HOUSING

Before starting the installation, cut off the gas supply and protect the gas control system components against dirt. The fireplace should be installed at least 1 meter away from combustible materials. The fireplace enclosure should be made of non-flammable materials (this also applies to the floor and ceiling) in accordance with the applicable provisions of the construction law. The fireplace must be at least 8 cm away from the built-in furniture. The fireplace cladding must be a self-supporting

structure and no part of it may be installed directly on the appliance. In the fireplace casing should be installed air supply and exhaust grilles ensuring air circulation along the fireplace body. Grilles in the fireplace casing should be installed in such a way that they can be easily dismantled, which will provide access to the automation components during inspections and service of the device. Otherwise, a space for an inspection door to access the fireplace automatics should be provided in the building.

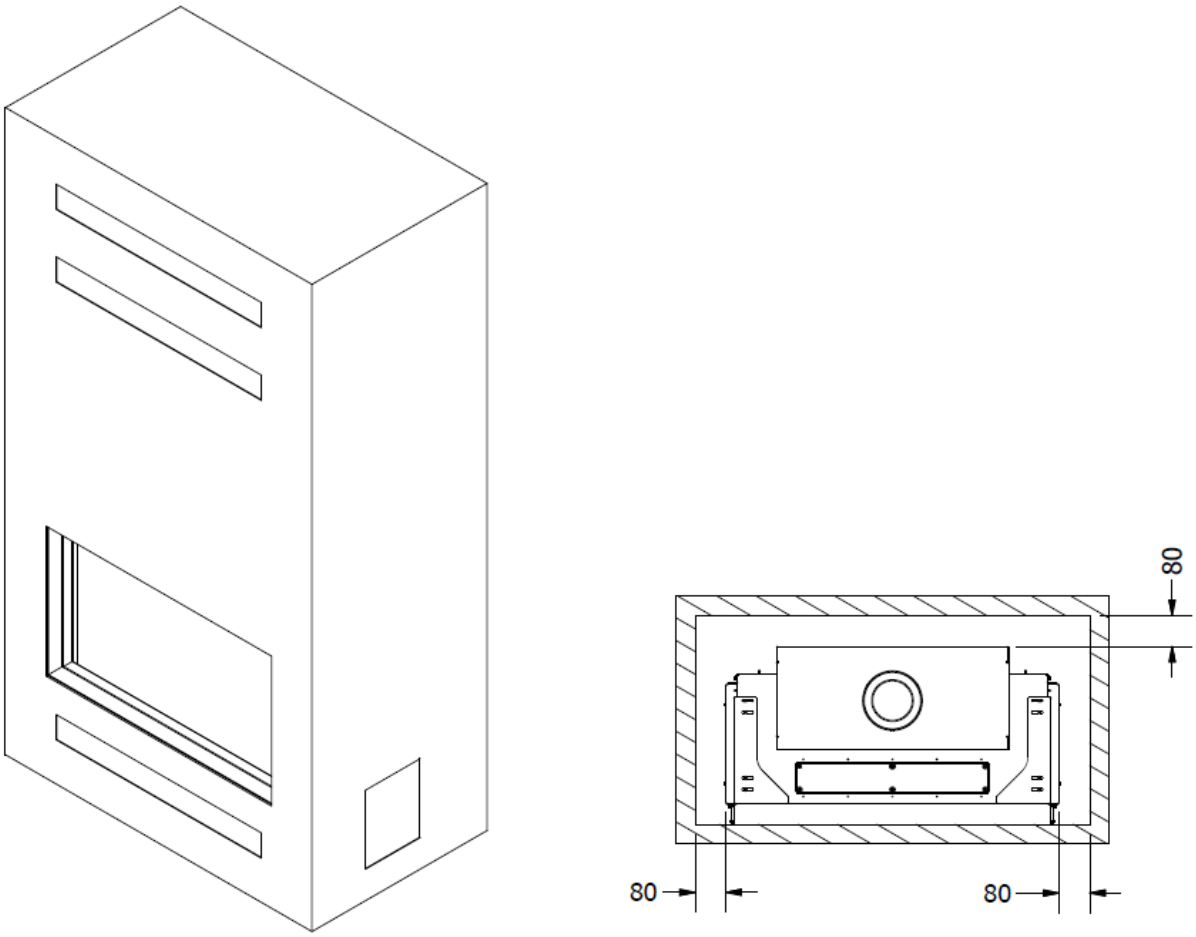


Fig. 9. Diagram of an exemplary development for the VOURLA series

The minimum active field of supply and exhaust grilles for VOURLA fireplaces:

Model	Bottom grille field	Top grille field
VOURLA 80	800 cm ^{2}	1000 cm ^{2}
VOURLA 100	900 cm ^{2}	1100 cm ^{2}
VOURLA 140	1400 cm ^{2}	1600 cm ^{2}

INSTALLATION OF DECORATIVE ELEMENTS

Attention!

The fireplace is delivered to the customer with a dedicated set of decorative elements. It is forbidden to use other elements. Decorative ceramic logs are part of the gas burner. The delivered elements should be arranged in accordance with these instructions. Echa-Tech is not liable for damages resulting from the use of decorations other than those recommended.

The elements should be arranged in such a way as not to obstruct the control flame and the main burner outlet openings, otherwise it may cause incorrect operation of the fireplace. The distribution of decorative elements in the combustion chamber of the device should allow free air flow around the main burner and the control flame. Ceramic elements should not adhere to the glass as this may damage it. Ceramic logs with ducts at the bottom are part of the gas burner and must be installed in accordance with these instructions. The correct arrangement of the decorative elements is shown in figures 15, 16, 17.

FIRST LAUNCH

Attention!

The first start-up of a gas fireplace may be performed only by a qualified installer with appropriate permissions to install and operate this type of equipment.

Before starting the fireplace for the first time, make sure that the gas installation is complete and properly made. Incorrect connection of individual components of the gas control system may damage them. Make sure that the chimney system has been properly made and that all its connections are tight. The installer should make sure that the air damper settings in the deflectors are correct. The fireplace should be put into operation for the first time with the glass pane dismantled and the room well ventilated. There is air in the fireplace gas system when you try to start it for the first time. In order to deaerate it, carry out several ignition tests, until the flame appears on the control burner, which will then ignite the main burner. Then turn off the device, wait for the fireplace elements to reach room temperature, install complete glazing and carry out the lighting procedure again. During this operation, the installer is obliged to check that the ignition is working properly and that the fireplace is burning properly. During the first start-up, check the tightness of all gas connections in the fireplace gas system. If detected, the leak must be repaired.

If you hear a long beep during the firing-up procedure, it means that the controller switch is in the "O" position, or one of the wires connecting the receiver with the

controller has not been properly connected. Set the switch to the "I" position. If during the ignition procedure the control burner ignites but the main burner does not ignite and the fireplace turns off, check the connection of the thermocouple to the circuit breaker module (it may be loose). If during the ignition procedure there is no spark on the control burner, then there is a puncture in the connection between the receiver and the magneto (arrange the ignition cable differently).

The first few times you use it, the gas insert may emit an unpleasant odor that may persist for several hours after smoking has stopped. This is due to the paint burn-off phenomenon. Pets and birds can react sensitively to the fumes they emit. In order to accelerate the burning process of the paint, you should heat the fireplace for several hours by setting the maximum flame height. The first smoking in a gas insert should be carried out in a well-ventilated room.

CONTROL

Attention!

If the fireplace has already been vented and the control flame does not ignite during the next ignition procedure, be sure to close the gas shut-off valve and contact a service technician.

VOURLA series fireplaces are controlled wirelessly from the remote control. The system is powered by four AAA batteries installed in the receiver. Short cyclic signals appearing for about three seconds when you try to ignite the gas insert, inform about the need to replace the battery in the receiver. If the device does not receive a command from the user for 6 hours, the automatic gas control system will reduce the flame of the main burner to a minimum. In the case of continuous operation of the fireplace without user intervention, after five days from the last setting, the system will turn off the device and cut off the gas supply. Complete discharge of the batteries in the receiver will cut off the gas supply.

CONTROL BY A REMOTE CONTROL

Attention!

The remote control should always be kept out of reach of children and other unaware people, unable to judge the consequences of their actions. SYMAX remote controls have a built-in temperature sensor for thermostat mode. The device continuously measures the ambient temperature and compares it with the temperature set on the thermostat. The device should be stored in a shaded place to avoid measurement errors due to direct sunlight.

Fig. 10. Remote control used in the VOURLA series

Attention!

VOURLA series gas inserts are equipped with a gas control system that allows the user to remotely light the fireplace and fully control the furnace. Never use tools to change the position of the knobs. Do not change the position of the knobs. The fireplace is operated using a remote control.

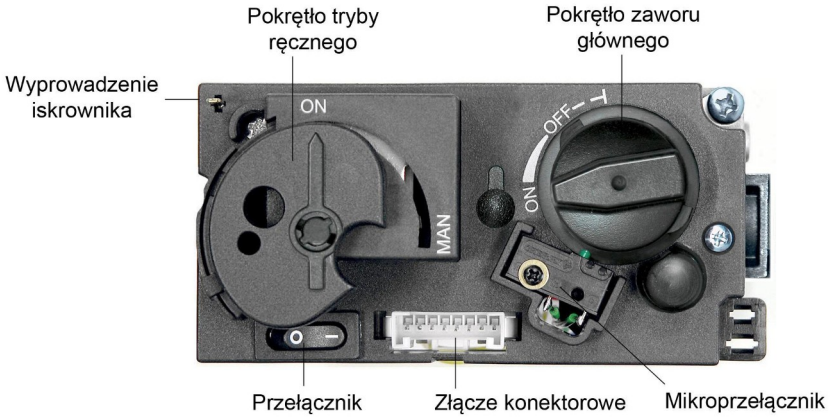


Fig. 11. GV60 controller in the settings that enable the remote start of the fireplace

The VOURLA 100 series uses modern SYMAX remote controls set in accordance with the European standard to the radio frequency of 868MHz. The remote control delivered with the fireplace does not require entering a new transmission code. When replacing the remote control with a different one, it is necessary to perform the pairing procedure with the gas control system. To do this in the first place, press and hold the "Reset" button located in the receiver's housing until you hear two characteristic signals and then release the button. This operation should be done

using a thin element with a blunt end. Next, press and hold the button from the remote control level ⏷ until you hear two short beeps meaning that the remote control is synchronized with the receiver. One long beep informs that the system components have not been paired correctly and the procedure should be repeated.

Fig. 12. "Reset" button - receiver

Deactivating the remote control function.

Install the batteries. All available icons will appear on the display and flash. While the icons are blinking, press and hold the button appropriate for a given function for 10 seconds. The corresponding icon for the selected button will flash until the deactivation process is completed. An icon adequate for the selected function and two horizontal lines will be displayed on the remote control display. If a given function has been deactivated, then after pressing the button responsible for its selection, two horizontal lines will be displayed on the display. After replacing the batteries, the function settings remain unchanged.

Activation of the remote control function.

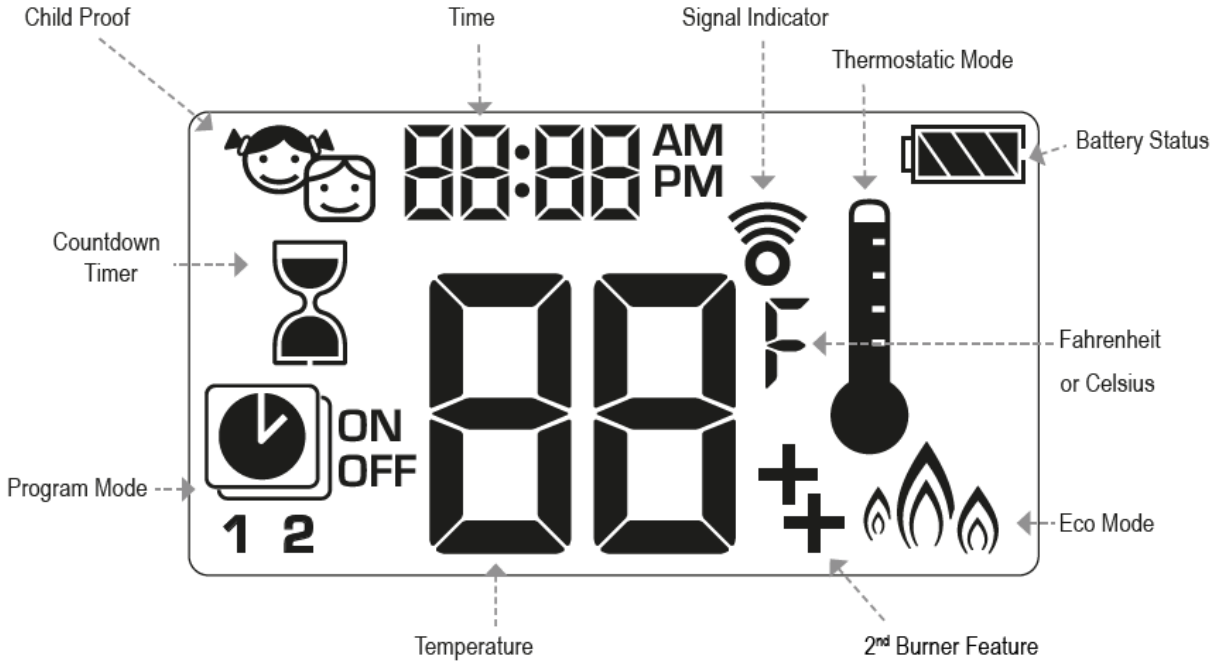
Install the batteries. All available icons will appear on the display and flash. Press the button corresponding to the function and hold it for 10 seconds. The icon corresponding to the selected button will flash until the activation process is completed. An icon adequate for the selected function will be displayed on the remote control display.

The following functions can be activated / deactivated:

- ✔ Child Proof
- ✔ Programmed Mode
- ✔ Thermostat mode
- ✔ Eco mode
- ✔ Sleep timer

Attention!

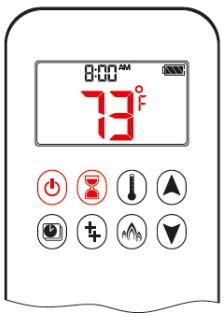
If the fireplace has already been vented and the control flame goes out when you try to light it up, wait at least 5 minutes before trying to light the fireplace again. If, after four attempts to light the fireplace, the control flame does not ignite, close the gas shut-off valve to the device and contact a service technician.



Setting the temperature unit

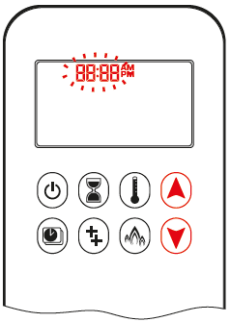
To change the temperature unit, press the buttons simultaneously. The user can choose between degrees Celsius and degrees Fahrenheit.

Choosing °F will automatically set the clock in 12 hour format, while choosing °C will set the clock in 24 hour format.



Time settings

1. To be able to set the day of the week, press the and buttons simultaneously .
2. Press or to select the number corresponding to the given day of the week (1 - Monday, 2 - Tuesday, 3 - Wednesday, 4 - Thursday, 5 - Friday, 6 - Saturday, 7th Sunday)
3. Press the and buttons simultaneously . The hours will begin to flash



4. Set the hour with the buttons and .
5. Press the and buttons simultaneously . The minutes will start flashing.
6. Set the minutes using the and buttons .
7. To confirm the settings press and simultaneously or wait.

Child Proof

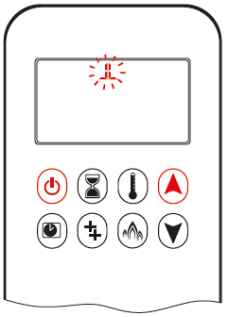
Enable:

To activate the Child Proof function press the and buttons simultaneously . The icon will appear on the display

Switching off:

To deactivate the Child Proof function, press the and buttons simultaneously . The icon will disappear.

Manual Mode



Lighting the fireplace with one button (default settings)

- ✔ Press the button until you hear two short beeps. The start of the firing up sequence will be confirmed by the appearance of the blinking burner icon on the display. Release the button.
- ✔ Ignition of the control flame will be confirmed by a single signal.
- ✔ After lighting the main burner, the remote control will automatically switch to manual mode.

Lighting the fireplace with two buttons

- ✔ Press the buttons and simultaneously until you hear two short beeps. The start of the firing up sequence will be confirmed by the appearance of the blinking burner icon on the display. Release the button.
- ✔ Ignition of the control flame will be confirmed by a single signal.
- ✔ After lighting the main burner, the remote control will automatically switch to manual mode.

Information:

To change the ignition method, hold down the button for 10 seconds immediately after installing the batteries in the remote control . The "ON" symbol will appear on the display of the remote control and a flashing digit corresponding to the current settings will appear.

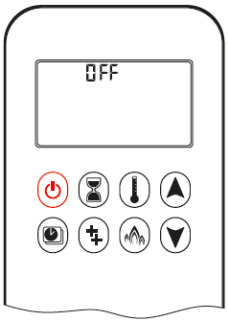
1 - Firing up with the button .
2 - Firing up with the buttons and .

Completion of the procedure for changing the ignition method will be confirmed by the appearance of the appropriate number on the display.

CAUTION!!!

If, after several attempts to ignite, the control flame does not ignite, set the main valve knob to the "OFF" position and read the section "*Possible problems and solutions* ".

Standby mode and shutdown

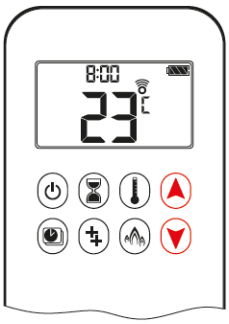


To switch the device to the standby mode, hold down the button until the main burner turns off.

To turn off the device, press the button . The control flame will be extinguished.

Wait 5 seconds before trying to light the fireplace again.

Setting the flame height



To increase the flame height, press and hold the button .

To reduce the flame height or put the fireplace into standby mode, press and hold the button .

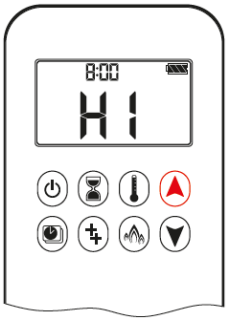
Setting the minimum and maximum flame height

Minimum flame height

To reduce the flame of the main burner to the minimum height, press the button twice . The display will show the symbol " **LO** "

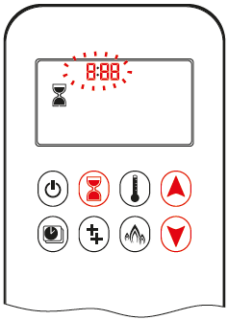
Maximum flame height

To increase the burner flame to its maximum value, press the button twice . The display shows " **HI** ".



Countdown timer

Enable / Settings



1. Press and hold the button until the icon appears . The hour field will begin to flash.
2. Enter the value with the buttons and .
3. Press the button to confirm . The minute field will begin to flash.
4. Enter the value with the buttons and .
5. To confirm, press the button or wait.

Switching off:
To deactivate the timer, press the button . The icon will disappear along with the countdown time.

Information:

After the countdown time has elapsed, the fireplace will be extinguished. The sleep timer only works in the modes: Manual, Thermostat and Eco. The maximum countdown time is 9 hours and 50 minutes.

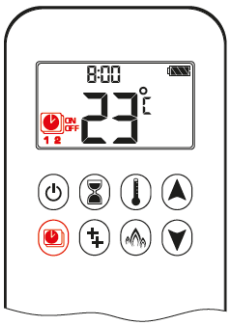
Modes

Thermostat mode

The room temperature is measured and compared with the temperature set on the thermostat. The flame height is automatically regulated to reach the set temperature.

Programmed Mode

Programs 1 and 2 can be freely modified. The user can set the time to turn the fireplace on and off at a given temperature.



Thermostat mode

Turning the thermostat on and off

Enable:

Press the button . The display will show the icon and, first of all, the set temperature, and then the current temperature in the room.

Switching off:

1. Press the button .
2. Press the or button .
3. Press the button to enter the Programmed mode

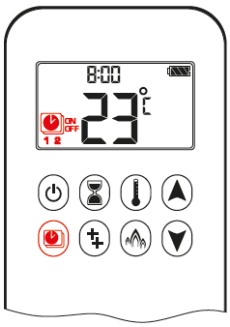
Thermostat settings

1. Press and hold the button until the icon appears on the display . The displayed temperature will start flashing.
2. and buttons to set the desired temperature .
3. To confirm, press the button or wait.

Programmed Mode

Activate program mode

Press the button . The display will show the icon , and the symbols **1** or **2** and " **ON** " or " **OFF** ".



Exit program mode

1. Press the or button or to switch to the manual mode.
2. Press the button to enter thermostat mode.

Information:

Entering the switch-on temperature for thermostat mode automatically sets the same value for the switch-on temperature for scheduled mode.

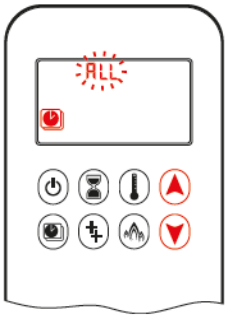
Default settings :
ON TIME (Thermostatic) TEMPERATURE: 21°C
OFF TIME TEMPERATURE: "--" (only control flame)

Temperature settings

1. Press and hold the button until the icon flashes on the display . The " **ON** " symbol and the switch-on temperature (set in thermostat mode) will be displayed.
2. To continue press the button or wait. The display will show the icon , the symbol " **OFF** " and a flashing value symbolizing the switch-off temperature.
3. Set the desired switch-off temperature with the buttons or .
4. Press to confirm .

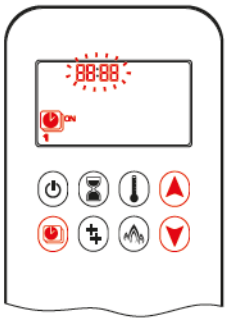
Day settings

5. **ALL "** will flash on the display . Press the or button to select one of the three available input options (**ALL, SA: SU, 1, 2, 3, 4, 5, 6, 7**).
6. Press to confirm .



SA:SU symbols mean Saturday and Sunday , respectively . Individual numbers correspond to the days of the week (e.g. 1- Monday, 2 - Tuesday, 3 - Wednesday, 4 - Thursday, 5 - Friday, 6 - Saturday, 7 - Sunday).

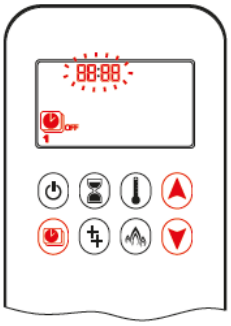
Switch-on time settings (Program 1)



" **ALL** " selected

7. The icon will appear on the display , **1** , " **ON** ", then " **ALL** " will be displayed for a while. The hour field will then flash.
8. Set the hour with the buttons and .
9. Press to confirm . The icon will appear on the display , **1** , " **ON ", then " ALL "** is displayed again for a moment . Then the minutes field will start flashing.
10. Set the minutes with the buttons and .
11. Press to confirm .

Setting the switch-off time (Program 1)



12. The icon will appear on the display , **1** , " **OFF** ", then " **ALL** " is displayed for a while. The hour field will then flash.
13. Set the hour with the buttons and .
14. Press to confirm . The icon will appear on the display , **1** , " **OFF ", then " ALL "** is displayed again for a while . Then the minutes field will start flashing.
15. Set the minutes with the buttons and .
16. Press to confirm .

Either continue to Program 2 and set on and off times or stop programming at this point, and Program 2 remains deactivated.

Eco mode

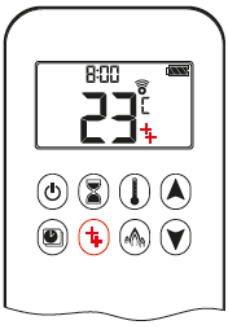
The flame height is regulated between its extreme values. If the room temperature is lower than the temperature set on the thermostat, the flame height reaches its maximum value and remains at a high level for a longer period of time. If the

temperature in the room is lower than the set temperature, the flame height is reduced to a minimum for a long period of time. One cycle takes approximately 20 minutes.

Secondary option

This option is available only for gas inserts with more than one burner.

For the VOURLA series, the function remains inactive.



WINDOW DISASSEMBLY

Attention!

Before removing the glass, make sure that the fireplace is cooled down. The glass pane should be dismantled only on a cooled fireplace with the gas supply cut off.

Depending on the model, the glass removal method may slightly differ from that shown below. First, disassemble the side covers by lifting them up, and then to the side. Next, remove the bottom mask by lifting it up. The windshield / side glass is installed to the fireplace body using dedicated strips screwed with M5 screws with an Allen head. When disassembling the slats, hold the glass so that it does not fall out by itself and be damaged. The installation of glass panes is the reverse of the above-mentioned method.

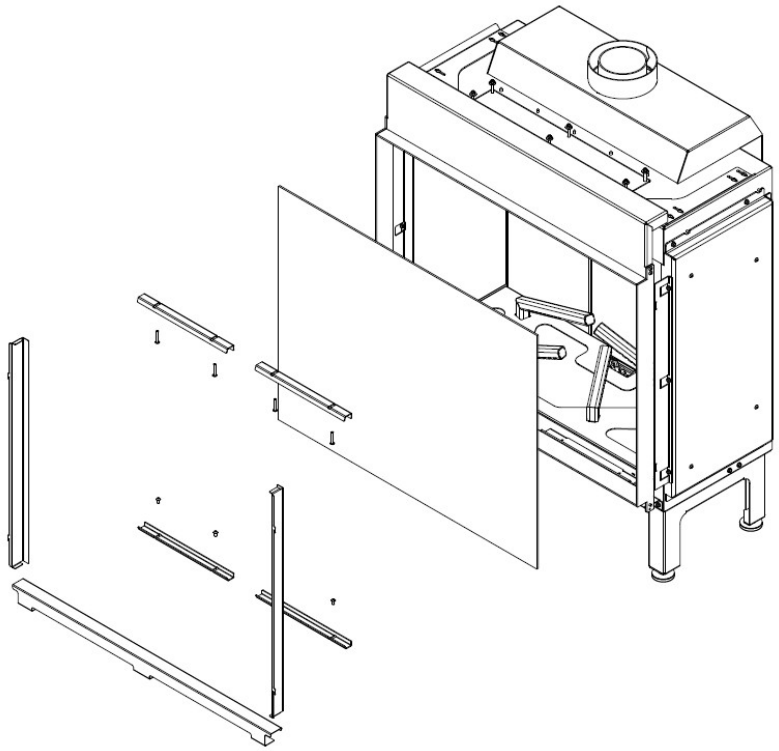


Fig. 13. The method of disassembling the glass in the model with one glass

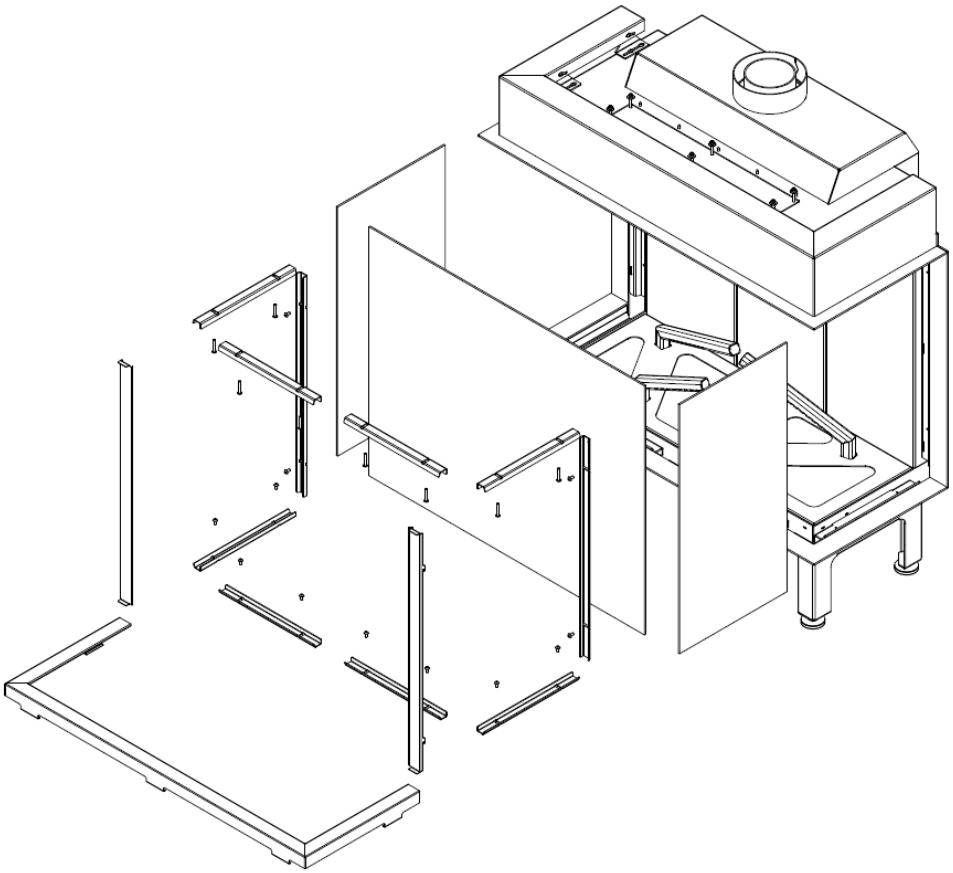


Fig. 14. The method of disassembling the glass in the multi-glass model

BATTERY CHANGE

Attention!

The battery in the receiver can only be replaced on a cooled fireplace with the gas supply cut off. Batteries are classified as hazardous chemical waste, therefore, after use, they should not be disposed of with other household waste. Used batteries should be placed in special containers for this type of waste.

Replace used batteries immediately. Do not install batteries in the device that have been exposed to the sun, moisture, high temperature or shock. Only install batteries of the same type and manufacturer. Do not install new batteries together with used ones. The remote control is powered by two AAA batteries. The receiver is powered by four AA batteries. The device manufacturer recommends using alkaline batteries . When removing the battery, do not use tools that can cause a short circuit. Replacing the battery with conductive objects may permanently damage the electronic components of the remote control and the receiver.

MAINTENANCE

Attention!

Any maintenance work should be carried out on a cooled fireplace, with the gas supply cut off and the power supply disconnected. Maintenance of the gas insert and the air-chimney system may only be performed by a qualified service technician.

The device should be periodically inspected at least once a year. Cleaning and inspection of the chimney system should be performed at least twice a year. Glass with cracks and scratches should be immediately replaced with new ones. The lacquer coating of the fireplace should not be cleaned with caustic agents. In the event of replacement of individual elements, use only original parts available from the manufacturer.

During the inspection of the device, the procedure of lighting up and extinguishing the fireplace should be carried out. Ignition and flame transfer should be smooth. If required, clean the combustion chamber, burner elements and decorative elements. When servicing, always replace the batteries in the remote control and receiver. Always check the condition of the fireplace's electrical and gas installations. All elements of the installation showing signs of wear should be replaced with new ones, using only original elements.

GAS TECHNICAL PARAMETERS

VOURLA 80									
Gas	-	G20	G25.3	G30			G31		
Device category	-	I2E, I2E+, I2H	I2EK	I3B / P			I3P		
Supply Pressure	mbar	20	25	29	37	50	29	37	50
Supply Pressure Max		25	30	30	37	50	30	37	50
Supply Pressure Min		17	20	20	25	42,5	20	25	42,5
Qmax Burner Press.		12.5	18.0	15.0			21.8		
Qmin Burner Press.		4.0	5.0	4.8			7.5		
Qmax	kW	10	10	9			9		
Qmin		5	5	5			5		
Vol. Gas rate Qmax	m^3/h	1.063	1.173	0.278			0.359		
Vol. Gas rate Qmin		0.531	0.606	0.157			0.207		
NOx class	-	5							
Efficiency class	-	1 (88.7%)							
Nozzles diameter	mm	4 * 1.5		4 * 1					

VOURLA 100									
Gas	-	G20	G25.3	G30			G31		
Device category	-	I2E, I2E+, I2H	I2EK	I3B / P			I3P		
Supply Pressure	mbar	20	25	29	37	50	29	37	50
Supply Pressure Max		25	30	30	37	50	30	37	50
Supply Pressure Min		17	20	20	25	42,5	20	25	42,5
Qmax Burner Press.		16.9	22.2	21.5			27		
Qmin Burner Press.		4.5	6.5	7.0			8.5		
Qmax	kW	11	11	10			10		
Qmin		5.5	5.5	5.5			5.5		
Vol. Gas rate Qmax	m^3/h	1.153	1.289	0.304			0.408		
Vol. Gas rate Qmin		0.593	0.680	0.174			0.231		
NOx class	-	5							
Efficiency class	-	1 (83.3%)							
Nozzles diameter	mm	4 * 1.5		4 * 1					
VOURLA 140									

Gas	-	G20	G25.3	G30			G31		
Device category	-	I2E, I2E+, I2H	I2EK	I3B / P			I3P		
Supply Pressure	mbar	20	25	29	37	50	29	37	50
Supply Pressure Max		25	30	30	37	50	30	37	50
Supply Pressure Min		17	20	20	25	42,5	20	25	42,5
Qmax Burner Press.		14.5	19.2	17.5			23.9		
Qmin Burner Press.		4.0	9.0	7.5			10.7		
Qmax	kW	15	15	15			15		
Qmin		10	10	10			10		
Vol. Gas rate Qmax	m^3/h	1.629	1.805	0.473			0.619		
Vol. Gas rate Qmin		1.048	1.195	0.308			0.412		
NOx class	-	5							
Efficiency class	-	1 (86.1%)							
Nozzles diameter	mm	(4 * 1.5) + (2 * 1.8)		(4 * 1) + (2 * 1.2)					

CATEGORY, MODEL AND VERSION OF DEVICE

Device	Category	Pressure/Gas	Countries of destination
Vourla 80 Vourla 100 Vourla 140	I2E	20 mbar / G20	AT, CH, CY, CZ, DK, DE, EE, ES, FI, GB, GR, HR, IE, IT, LT, LU, LV, NO, PT, RO, SE, SI, SK, TR, HU
	I2E+	20/25 mbar / G20	DE, PL, RO
	I2H	20 mbar / G20	AT, CH, CY, CZ, DK, DE, EE, ES, FI, GB, GR, HR, IE, IT, LT, LU, LV, NO, PT, RO, SE, SI, SK, TR, HU
	I2EK	25 mbar / G25.3	NL
	I3B/P	29 mbar / G30	BE, CY, DK, EE, FR, GB, GR, HU, HR, IT, LT, NL, NO, RO, SE, SI, SK, TR
		37 mbar / G30	PL
		50 mbar / G30	AT, CH, DE, SK, GR
	I3P	29 mbar / G31	FI, NL, RO

		37 mbar / G31	BE, CH, CZ, ES, FR, GB, GR, HR, IE, IT, LT, NL, PL, PT, SI, SK
		50 mbar / G31	AT, CH, DE, NL, SK

ENVIRONMENTAL PROTECTION

All packaging elements, in which the gas insert was delivered, should be disposed of in a manner appropriate to their type. Due to the content of heavy metals, batteries are classified as hazardous chemical waste, so after using them, they should be thrown into special containers for hazardous waste. When the device has reached the end of its service life, dispose of it. The user is obliged to hand over the fireplace to the appropriate institution dealing with the recycling of this type of devices.

WARRANTY

Echa-Tech provides the Customer with a 2-year warranty for the smooth operation of the goods specified in the sales document. The warranty is specified for a given period from the date of purchase (based on the warranty card or / with the purchase document). The basis for free warranty repairs is the warranty card or proof of purchase. Warranty card without date, stamp is no longer valid. More information can be found at www.echa-tech.com

POSSIBLE PROBLEMS AND SOLUTION

Attention!

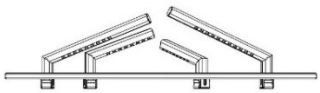
Removal of faults or replacement of individual elements of the gas control system can only be performed by a service technician with the appropriate qualifications. When replacing damaged elements, use only original components offered by the manufacturer.

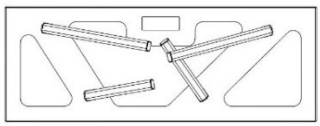
The device does not start (no sound signal confirming the start of the ignition procedure)
● Replace the batteries in the remote control and receiver. ● If the receiver is powered only by the power module, check its operation. ● Reset receiver and program new transmit code. ● Check that the receiver antenna is properly installed and has not been damaged.

No voltage on the controller coil (there are no characteristic "clicks")
● Check that the switch wire on the gas control module is not damaged. ● Short cyclical signals appearing when you try to turn on the fireplace indicate the need to replace the battery in the receiver. ● With one long beep: – Verify the gas control module switch is in the "I" position. – Check that the cable connecting the receiver with the gas control module is not damaged. – If the stepper motor does not work properly, replace the gas control module. – If the gas control module coil does not work properly, replace the module. – If the microswitch in the gas control module does not work properly, replace the module
No spark at the electrode
● Check the correctness of the cable connection between the receiver and the electrode. ● Check that the electrode is not damaged. ● Check the correct operation of the magneto. ● Check for a puncture in the system. ● If the ignition elements work properly and the firing-up procedure is not started, you should: – Press the "Reset" button on the receiver. – If possible, shorten the cable between the receiver and the electrode. – Add a ground wire between the controller and the control burner.
No control flame
● Check that the gas shut-off valve is open. ● Make several attempts to light the fireplace. ● Check that the pressure in the gas system is correct. ● Check the correct connection between the circuit breaker and the receiver.
Spark still appears on the electrode after igniting the control flame
● Check the correct connection between the circuit breaker and the controller. ● In case of damage to the electronic amplifier, replace the receiver.
The control flame goes out automatically
● Check that the thrust delimiter is correctly installed. ● Verify that the thermocouple sensor is operational and properly connected to the gas control module. ● Check that the control flame is able to heat the thermocouple sensor. ● Check that the gas valve of the gas control module is not damaged.

Weak control flame
● Check the gas pressure in the control flame. ● Check that the thrust limiter is correctly fitted.
The main burner does not ignite
● Check that the main burner openings are not blocked. ● Check that the manual mode dial is in the "ON" position. ● Check the intensity of the control flame. ● Check that the control flame is not obscured by decorative elements. ● Verify that the thermocouple sensor is operational and properly connected to the gas control module. ● Check that the control flame is able to heat the thermocouple sensor.
The main burner goes out automatically after the fireplace has reached a certain temperature
● Check thermostat settings. ● Check that the thrust limiter is correctly fitted.
Dirty glass
● Check that the main burner openings are not blocked. ● Check that the gas pressure in the installation is correct. ● Check that the thrust limiter is correctly fitted. ● Check the chimney system for patency.
The device cannot be turned off from the remote control position
● Try to turn the burner off with the switch on the gas control module to the "O" position. If there is no response, replace the gas control module. ● Check the correct connection between the circuit breaker and the controller.

LOCATION OF DECORATIVE ELEMENTS





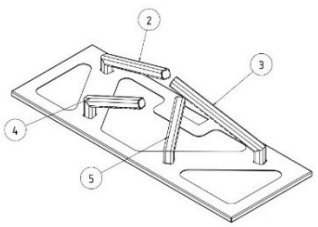


Fig. 15. Arrangement of decorative elements in the VOURLA 80 series

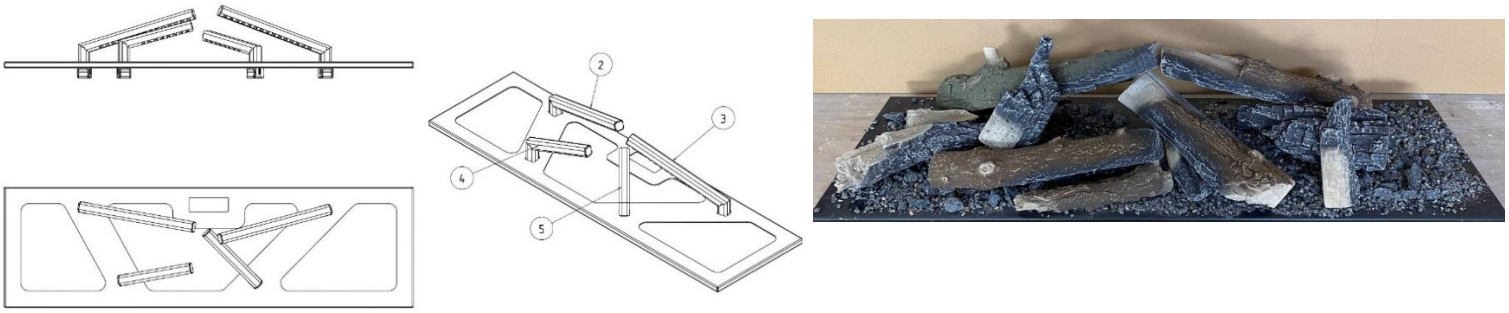


Fig. 16. Arrangement of decorative elements in the VOURLA 100 series

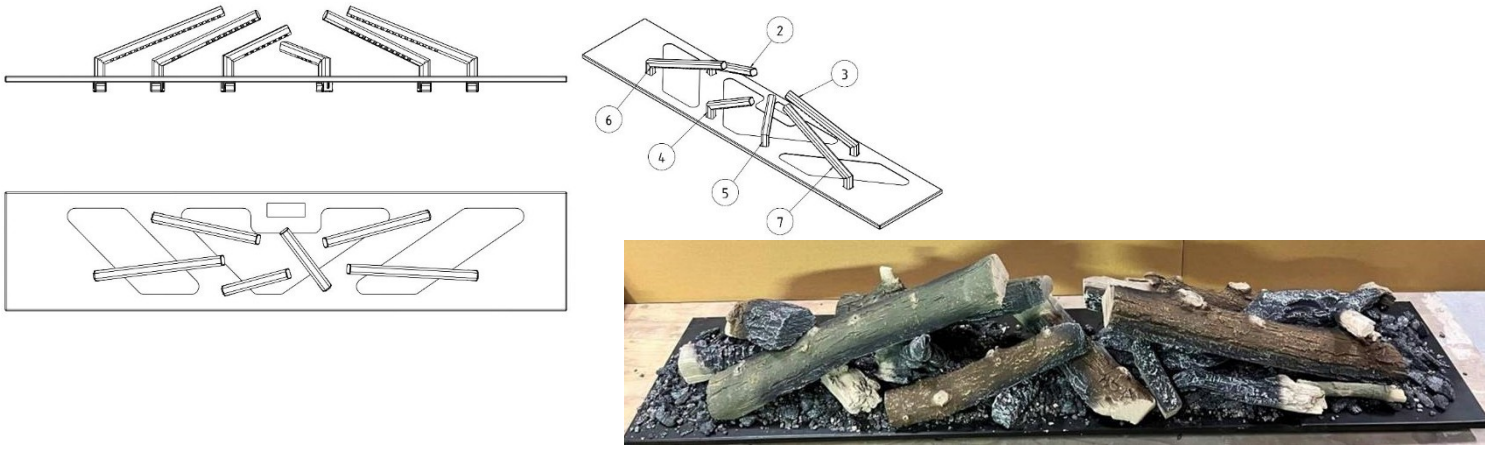


Fig. 17. Arrangement of decorative elements in the VOURLA 140 series

REPORT ON THE INSTALLATION OF THE GAS SPACE HEATER

Device model:	**Device serial number:**
Sale date:	**Seller's details:**
Installation date	**Type and pressure of gas**

Installer details as well as type, number and date validity of the relevant permissions and signature	
INSTALLATION DATE:	

ECHA - TECH

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