

INSTRUCTIONS FOR INSTALLATION AND USE

Luna Diamond 1000 RD - 1300 RD CLOSED GASFIREPLACES



Distributor/Manufacturer
M-Design Benelux BVBA
B-8210 Zedelgem - Belgium

V12-2019



PASSION FOR FIRE

VERY IMPORTANT

INSTALLATION INSTRUCTIONS FOR THE M-DESIGN GAS FIREPLACES

**THE SUPPLIER TAKES NO RESPONSIBILITY FOR ANY
POSSIBLE DAMAGE, POOR WORKING APPLIANCES AND
ACCIDENT AS A RESULT OF INCORRECT
INSTALLATION**



PASSION FOR FIRE

MAINTENANCE GAS FIREPLACE M-DESIGN

**THE M-DESIGN GAS FIREPLACES MUST BE
CHECKED EVERY 2 YEARS AND GET A
MAINTENANCE. THIS IS ALSO TO MAINTAIN YOUR
WARRANTY. IF THIS WILL BE NOT
OBSERVED, THE WARRANTY FELL.
YOU CAN RELY ON M-DESIGN TO MAKE THIS CHECK
FOR YOU, OR YOU CAN DO THIS BY YOURSELF AND
FOLLOW THE METHOD BELOW.**

SUMMARY

1. GENERAL REMARKS.....	5
2. CONNECTION	5
3. INSTALLING THE FIREPLACE	6
3.1.1 Positioning the fireplace	6
3.1.2 Nearbox (Gasunit).....	7
3.1.3 The Gas connection	8
3.1.4 Electrical connection	9
3.1.5 Modification natural gaz to propane.....	9
4. INSTALLING THE CHIMNEY	10-13
5. FLAME ADJUSTMENT SETTINGS.....	13-14
6. INSULATION AND FINISHING	14
7. CONVECTION CURRENT.....	15-17
8. POSITIONING THE LOGS	17-19
9. FIRST-TIME USE	20
10. SAFETY, ADVICE AND MAINTENANCE.....	20
11. GUARANTEE.....	21
12. SPECIFICATIONS.....	22-23
13. REMOTE CONTROL.....	24-25
14. DESIGN GRIDS.....	26
15. DRAWINGS	27

OPEN EN CLOSE THE DOOR

For initial setup, you need to clean the window and clear the fireplace of any dust and grease that is left behind. This is also the only maintenance action that may be performed on the device by the user.

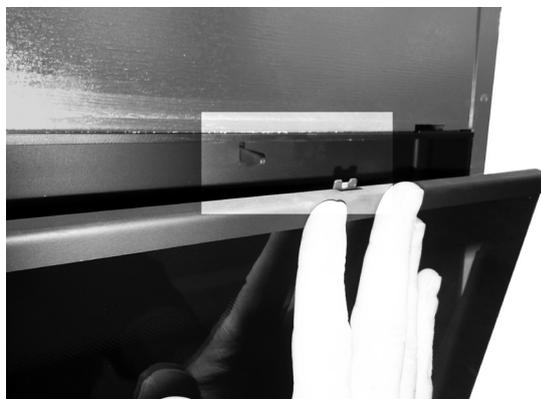


Thanks to a patented system, the door can be easily opened at an angle of 45° to allow a user-friendly cleaning of the window



OPEN

Above the glass (below the upper frame) hooks are provided (left, right and center). Push it upwards with your fingers. the window can now be opened.



CLOSING

To close, push the door gently (but not too soft) against the hooks. Make sure that all hooks are hooked

3. Installing the fireplace

After having checked the appliance, you are ready to install your appliance. This is done as follows

3.1.1 Positioning the appliance

Place the appliance on a stable surface using the adjustable feet. Adjust the height of the appliance turning the bolt.

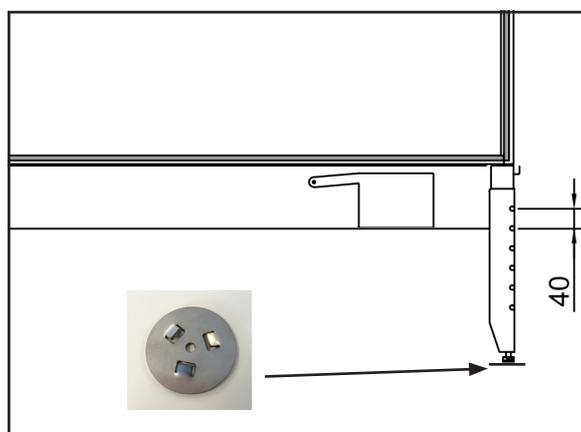
The appliance must not be placed directly on the floor as you need to allow natural convection. The apertures for the air supply (IN) is situated underneath the appliances. Minimum distance to floor = 35mm

Minimum and Maximum height of the appliance :

Adjusting the height of the appliance Min 35mm to 450mm (floor to under the appliance).

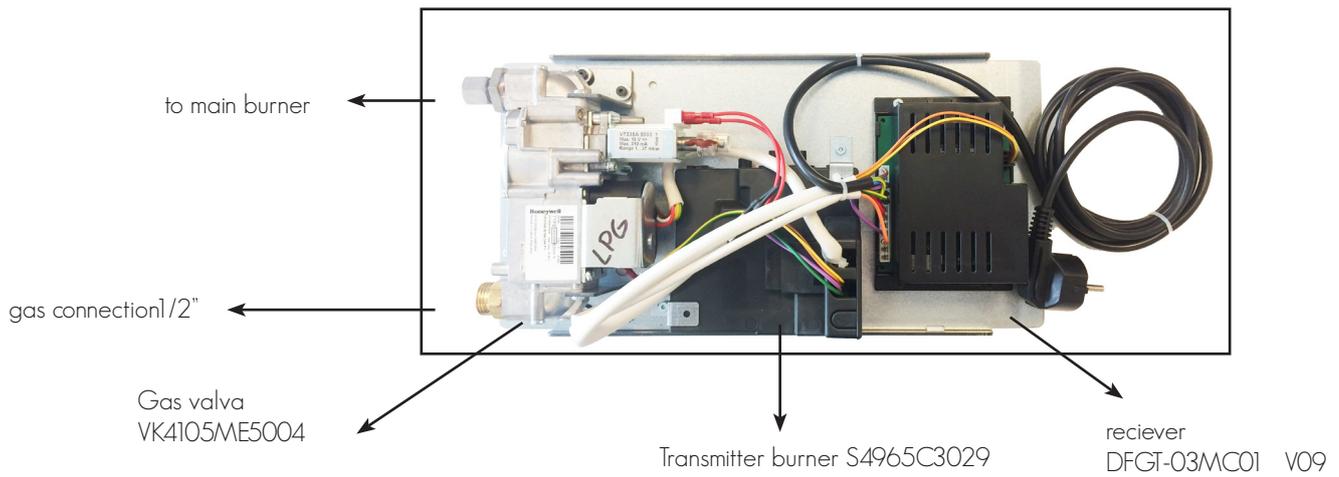
If you want the fireplace to be installed with a different height, unscrew the nut to remove the feet. Grind the desired height on foot. The distance between two holes is 40mm. With the fireplace is provided 4 small saucers. Use to get the stud under your feet.

If you want to install the fireplace at the minimum height of 35mm, measured from the floor to the firebox: remove the foot and unscrew the nut below the foot. Aim the nut in the tarred hole that is located below the hearth in the corner. Do the same for the four feet. The minimum distance from the floor to the bottom of the frame is 244 mm.



3.1.2 Nearbox (gasunit)

For safety reasons, The gasbattery or "NEARBOX" is fixed with screws on the pallet. Unscrew and remove the gasunit before installation

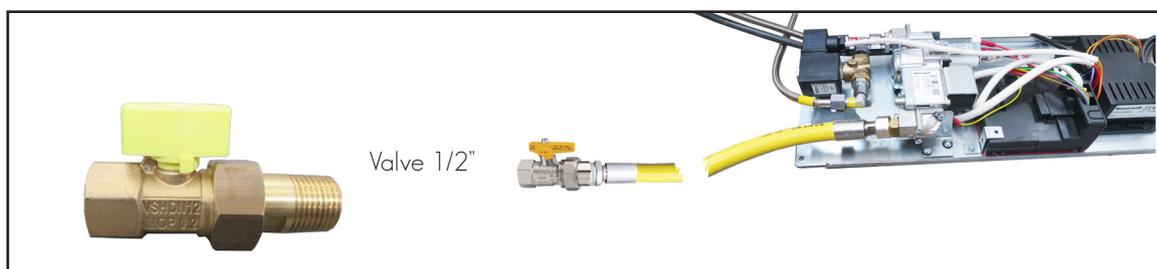
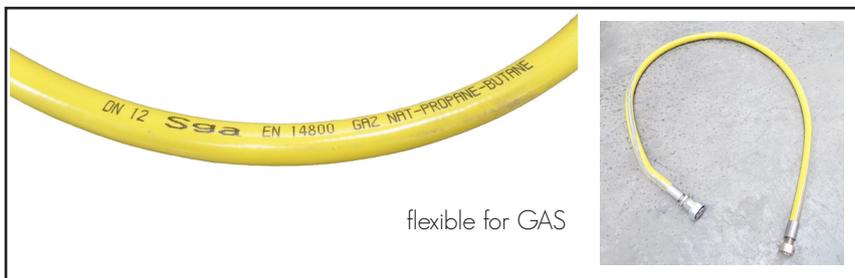
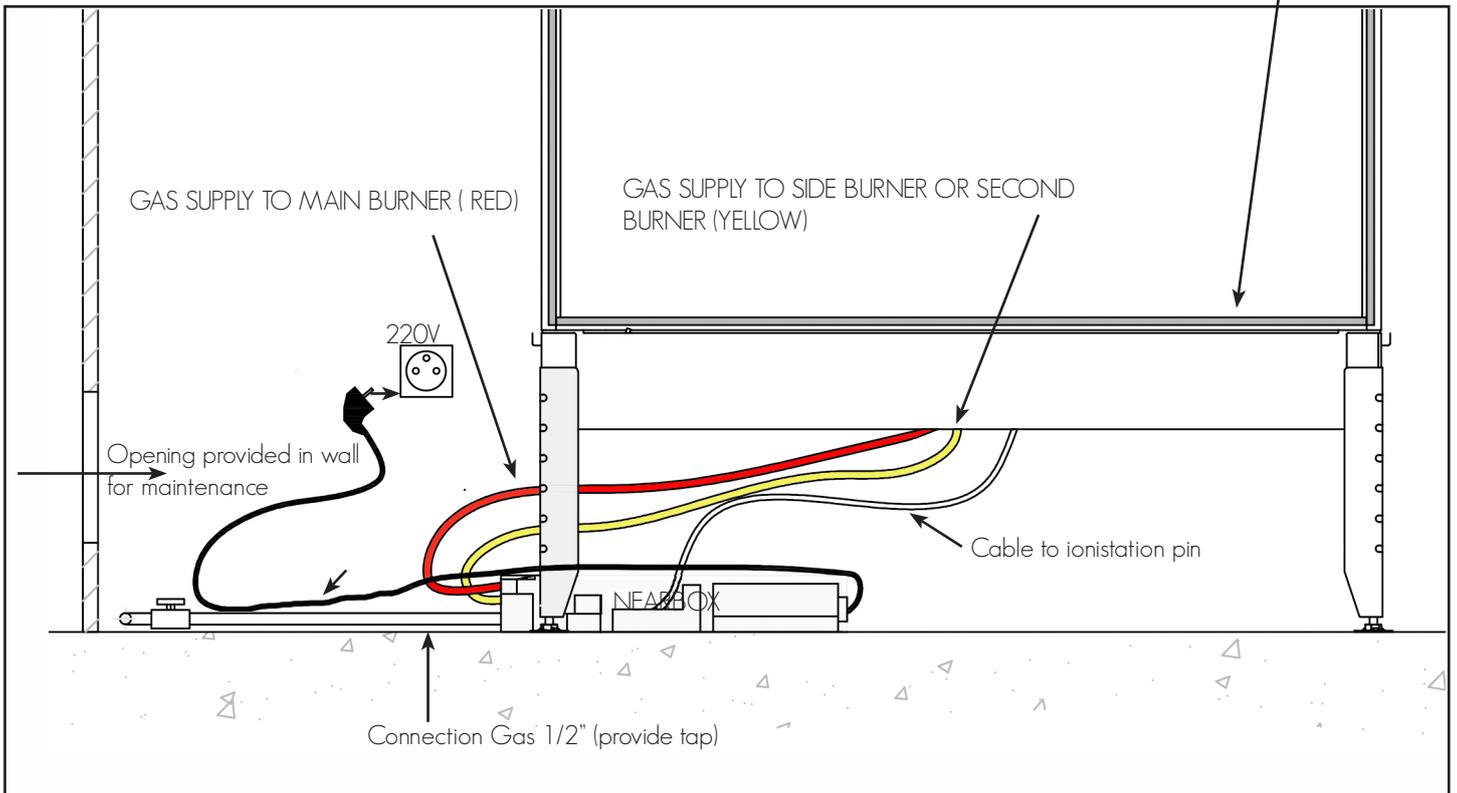


Dimensions gasunit : L365 xB188 x H64mm

3.1.3 The Gas connection

After the "NEARBOX" has removed from the of the back of the fire, you can place it loosely on the ground in proximity to the opening provided in the wall of mantelpiece. The device is always connected with an approved gas tap 1/2", and preferably with a yellow gasflexible that is reachable at all times. Provide the mantelpiece with a door so that the valve and the electrical connection is easily accessible.

True Vision is provided with a direct ignition , no starting pilot



3.1.4 Electrical connection

These appliances are equipped with a radiographic remote control, making an earthed 220V socket necessary.

You should bear in mind that the appliance must be connected to all electrical supplies for the purposes of service.

It's obligatory to connect an earth current.

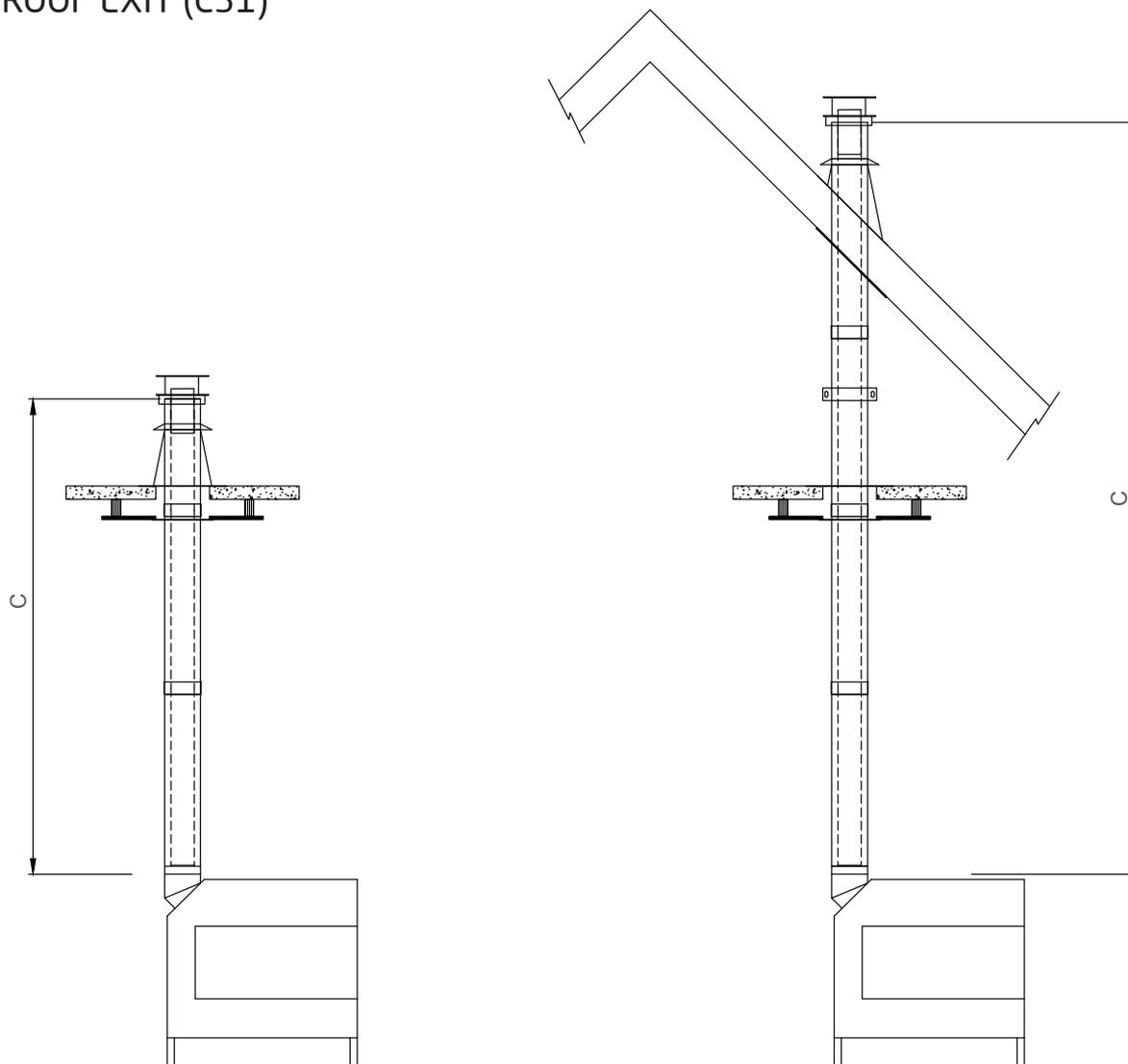
3.1.5 Modification natural gaz to propane

Modification of the fireplace can only be done by the manufacturer or an approved installer. A new signal plate is provided.

4. Installing the chimney

Install the concentric flue duct as indicated by ONTOP - METALOTERM. The only authorised pipes are ONTOP Metaloterm™. ONTOP-METALOTERM tested our appliances with their conduct and we only guarantee a good working of the appliance with those. Between the external wall of the pipe and the wall or the ceiling, you should allow for a clearance of at least 50mm and protection that is suitable against temperatures of around 130°C. The passage of the front panel cowl in the external wall must be filled in using silicone mastic.

4.1. ROOF EXIT (C31)

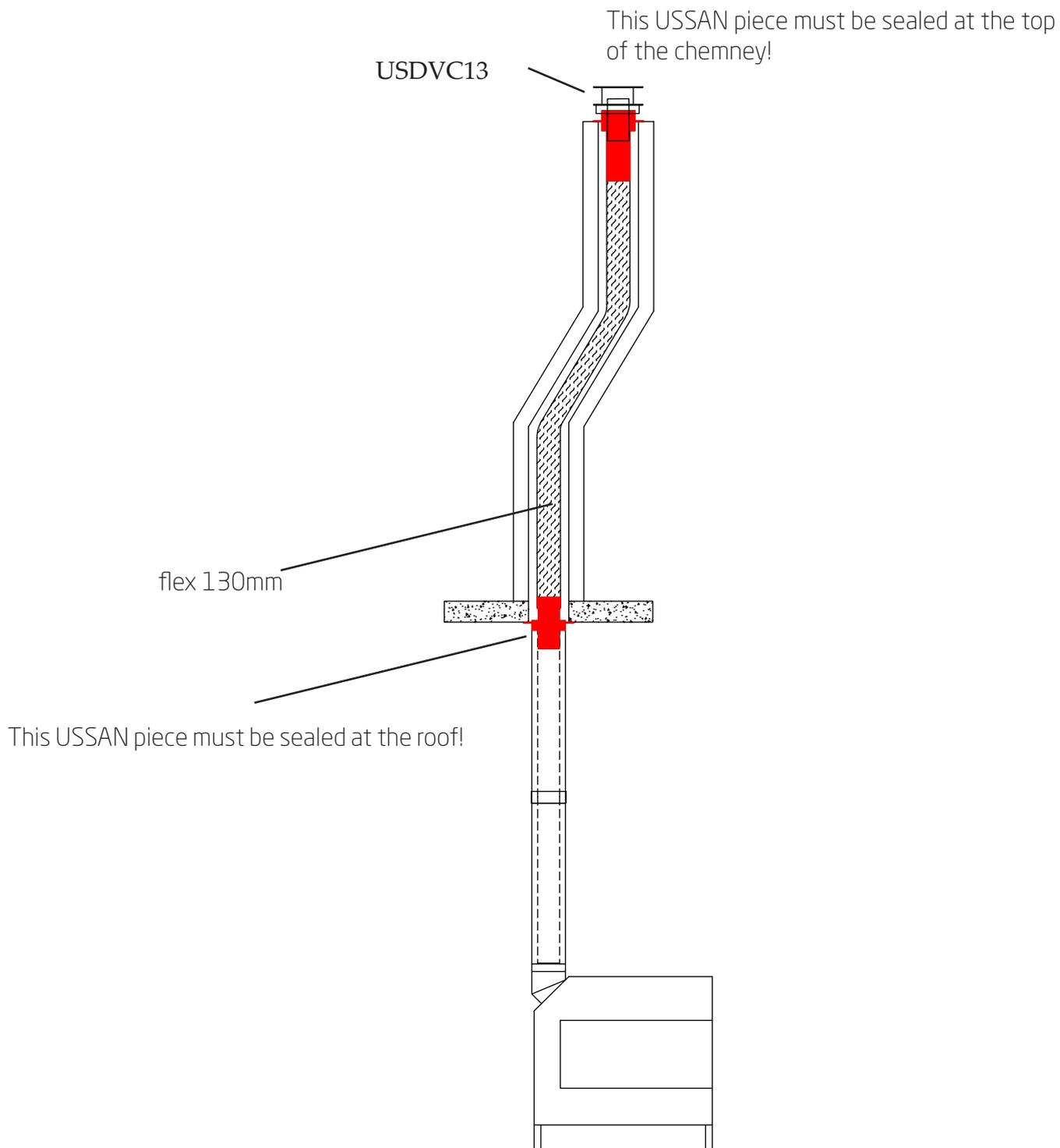


Ø 200/130		
Appliance	C (min)	C (max)
1000 RD	2 m	10m
1300 RD	2 m	10m

Ø 150/100 after curve 200/130		
Appliance	C (min)	C (max)
1000 RD	2 m	10m
1300 RD	3 m	10m

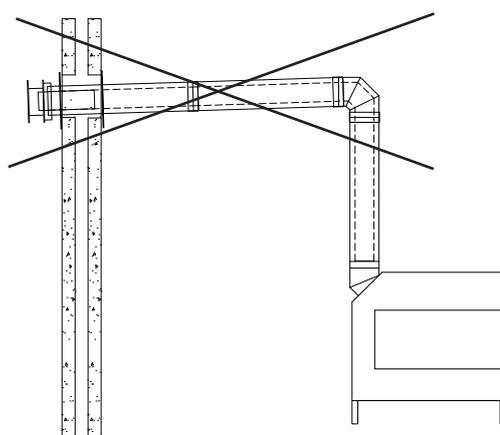
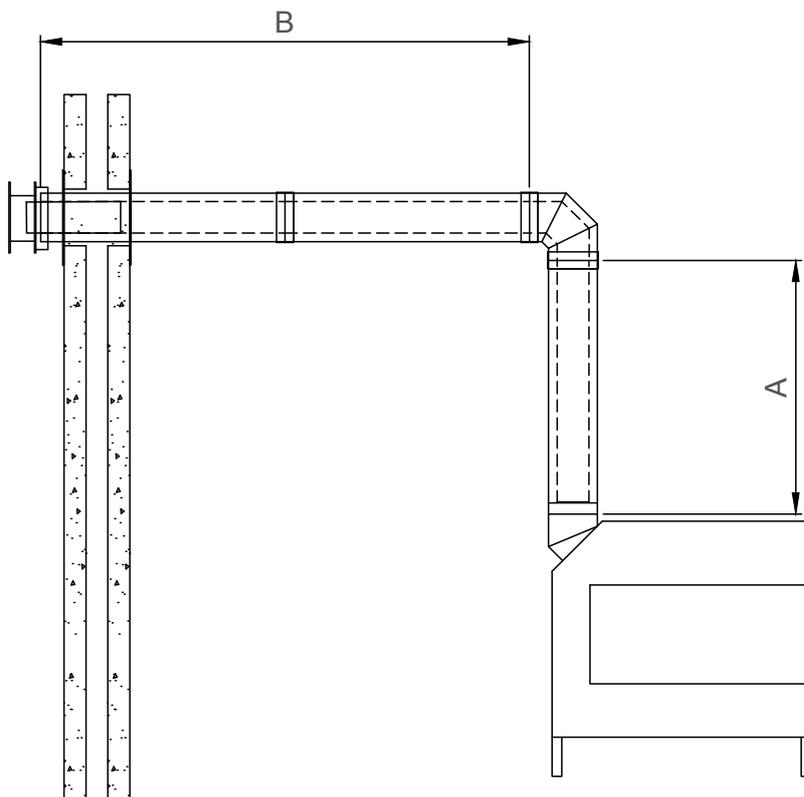
4.2. ROOF EXIT VIA EXISTING CHIMNEY (C91S)

Ø200(min) / Ø 130		
Appliance	C (min)	C (max)
1000 RD	2 m	10m
1300 RD	2 m	10m



4.3. WALL EXIT (C11)

Ø 200/130			
Appliance	A (min)	B (min)	B (max)
1000 RD	1m	Wall exit	A
1300 RD	1m	Wall exit	Wall exit

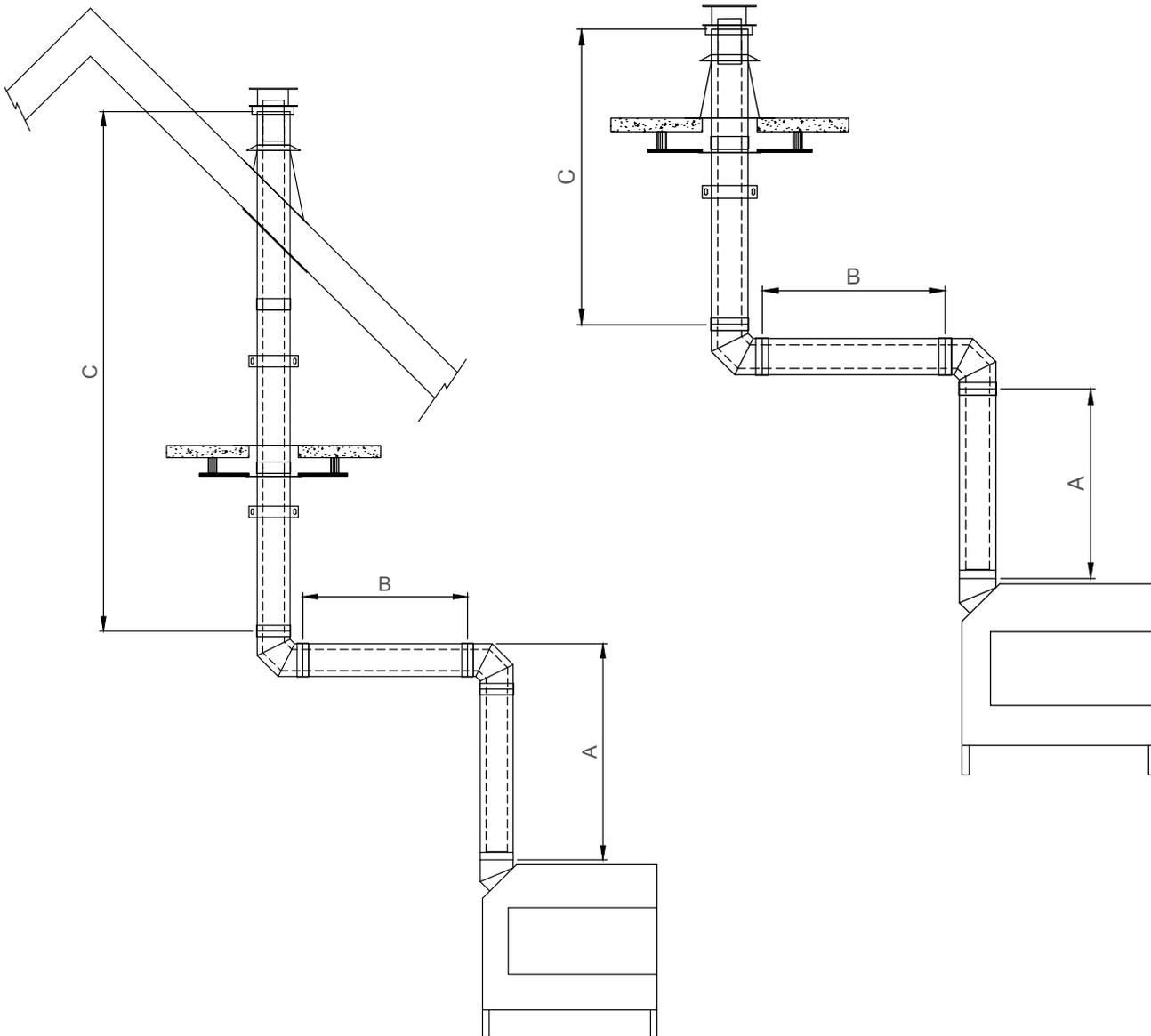


IMPORTANT: Be carefull every horizontal part does not have a negative in clination in direction of the outlet. It is even better, when possible to have a little inclination of 2 or 3 degrees ascending to avoid rain and condenstation in the tube. Install wall outlet like fig 1



Picture 4: ROOF EXIT WITH BEND

Ø 200/130				
without reduction				
Appliance	A (min)	B (max)	C (min)	(A+B+C) max
1000 RD	1 m	A+C	B-A	12m
1300 RD	1 m	A+C-1	B-A+1	10m



Appliance	Ø 200/130
1000 / 1300 RD	for each 90° bend subtract 1m horizontally or add 1m vertically
1000 / 1300 RD	for each 45°/30°/15° bend subtract 0,5m horizontally or add 0,5 m vertically

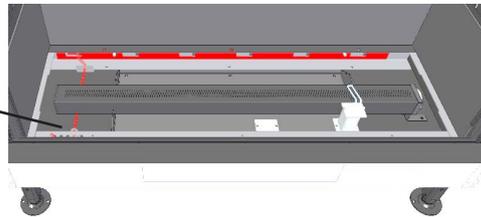
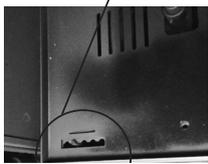
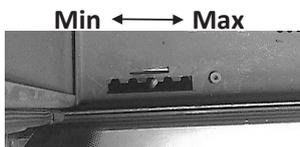
5. Flame adjustment settings

Before initial setup, you need to clean the window (from outside and inside) and fireplace of any dust and grease. If you do not clean the glass properly, after lighting up the fireplace it can remain still on the glass. After installing the fireplace correctly on the concentric tube or chimney system, you must make a flame adjustment according to the draft (see chapter 4 page 9. Installing the chimney + use restriction rings).

The air intake for flame can be adjusted in fireplaces. Setting element is situated on the left side of the bottom plate in the combustion chamber. Adjustment of air intake may only be set out by a specialist.

At the first ignition of fireplace first test if ignition electrode work correctly.

Close the valve on gas connection, open the door on fireplace and start fireplace by remote control. Ignition electrode has to spark. If it does not spark, check cables and electrode. Then subsequently if electrode works correctly, open the gas valve and repeat ignition with opened door. Electrode should start the fire on the burner. When the fire burn evenly over the entire length of burners included secondary burners, the door can be closed and the flame can be set to local condition.



Attention, burner have to burn continuously evenly in the whole length included secondary burners.

It is needed to wait 30-60 minute until the setting is fully shown up in the fired fireplace. . Natural gas is first burning by blue colour and it will turn yellow in time, LPG burning become quicker yellow.

If the flame is blue, it can mean that there is too much air in the combustion chamber but also that there is too little air. If there is too much air, the flame move very quickly.

By adjustment must be taken to account that the more yellow the flame is the quicker glass can get dirty.

6. Insulation and finishing

Please , follow this instruction. The appliance can overheat if you do not follow these instructions. Errorcode F02 will appear !

Once installation is complete, the appliance can be fitted. Before doing so, check the tightness of the gas pipe one more time. Light the appliance and check that it is working: check the tightness of the gas pipe and the smoke pipe. Once you have checked everything, you can perform the final insulating and finishing operations.

The built-in part of the appliance tends to be very warm. Please check that the appliance is not too narrowly fitted and that there is adequate space for the elimination of hot air. For insulation of the appliance, we advise you to use M Design insulating plates. You are advised against using any other insulation product. Inflammable materials as well may not be used for the finishing.

Masonry must be raised around the fireplace. Due to the expansion of the fireplace during combustion, a gap of at least 5 mm must be provided at the front of the fireplace and 4 cm on each side of the appliance. The masonry must not rest on the fireplace. THE FIREPLACE MUST BE FREE. Always leave 2 mm clearance between the inner frame and the masonry.

7. Convection current

Please, follow this instructions. The appliance can overheat if you not apply those instructions. Errorcode F02 will appear!

It is MANDATORY to equip the fireplace with a convection kit consisting of inlets and outlets which are connected to stretchable hoses from 3m to 5m.

In this way is created a circulation and evacuation of the heat by convection.

This is very important to avoid overheating in the firebox casing and also to distribute the air hot air in the room or in another adjacent room (office, kitchen, ...)

This system directs the heat inside the room using hoses (150mm dia.). It is necessary to open

minimum 2 hot air outlets. For the installation of these ducts, limit their lengths, avoid as much as

possible elbows and changes of direction, because the losses of speed generated, decrease the

efficiency of the air outlets at the end of travel. We advise you to install the hot air grilles at the same height to have the same heat provided. M-Design has developed hot air and ambient air outlet grilles available from your dealer.

Outlet grids have two or four hose connections (2/4 hoses on 1 grid!).

The air inlet grilles (not to be connected with a hose) must be placed as low as possible at the bottom of the fireplace.

ATTENTION : A house is never completely 100 % dustfree, heating appliances and warmth circulation create dust particles. During the periods where you are not using the fireplace, dust is accumulated in the flexible pipe and and the grills

This could cause a problem with a smell, so we would certainly advise you to clear the flexible and air inlets and outlets using a vacuum cleaner regularly. The smell caused by these dust particles will disappear after you have used the fireplace again a few times. (This phenomenon is very common and can be compared to the gray traces appearing above your radiators.) Optionally you can order design metal lids to cover the inlets and outlets during the summertime .

7.1. CONVECTION GRILLS

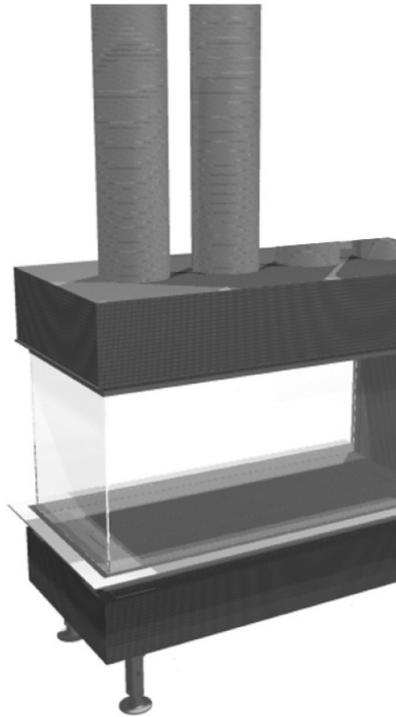
EXIT CONVECTION: You can choose between 3 models of grids according to your taste or according to the fireplace: Grid Design (2 connections), Grille design long small model (2 connections) or long model (4 connections)

AIR ARRIVAL (ENTRY CONVECTION): You have the option to choose between inlets 2dm³ or 4dm³

Design Grills (outlet)
with to connectors



Outlet Outlet



Design Grill Long (outlet)



Inlet Grill 2 dm³

Inlet

Inlet

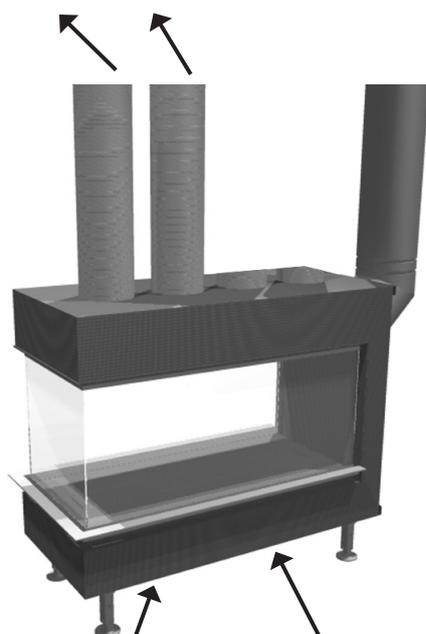


Inlet Grill 4 dm³

You have to connect at least two apertures situated at the top of the appliance. The appliance may not be placed directly on the floor, without the feet. This is to allow natural convection. The apertures for the air supply are situated underneath the appliance.

Every opening you make must be connected with a flexible tube dia 150MM (see pic below). This will avoid the heating of the electronic part of the appliance. In this case you will have errorcode F02.

CONVENTION OUTLET



CONVECTION INLET

CONVECTION INLET

ATTENTION:

if the installer opens the openings in advance, these must be covered during the work (grinding, drilling, sawing, etc.). Dust released during installation will otherwise sneak into convection circuit. Dust can never be eliminated properly and give off a lingering smell when using the appliance.

Once the installation is complete, it is imperative to aspirate or blow the convection channels with compressed air (be sure not to return dust to the convection chamber of the fireplace).

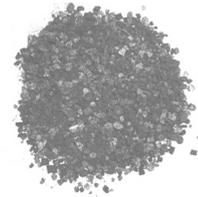
9. Positioning the logs, diamond, sapphire and white pebbles

Please check that the pilot light is switched off and that the appliance has cooled down.

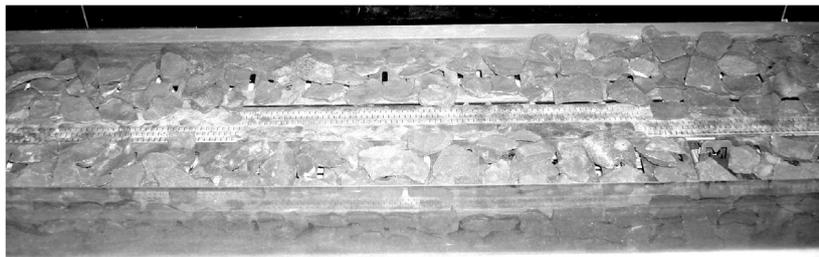
- Move the window to the front by pulling it. The window tips open at 45°.
- Arrange the materials supplied. In accordance with your order you will have either a set of logs, diamond, sapphire or white pebbles. There is an adequate supply of materials. Our appliance is approved with these materials, so please do not use other products. Other decorative products are prohibited in our appliances. Please do not change the delivered quantities

Attention:

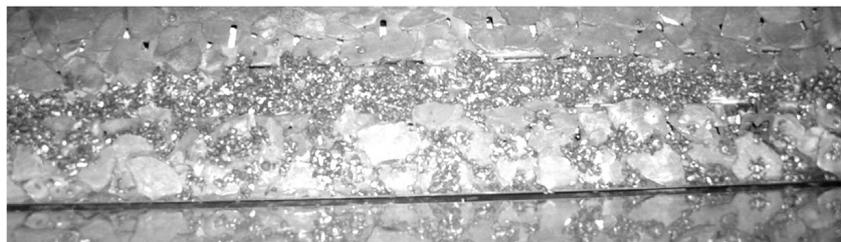
Do not put anything on the pilot light. To arrange the logs respect the order as follows.



Put the big imitation coal pieces around the burner.



Put the little imitation coal pieces on the burner and here and there between the **big**

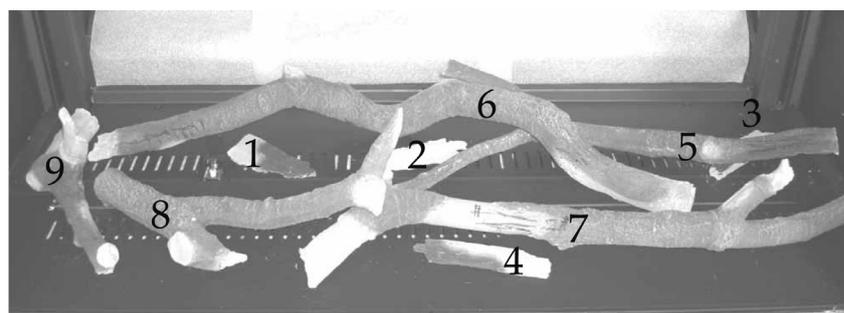
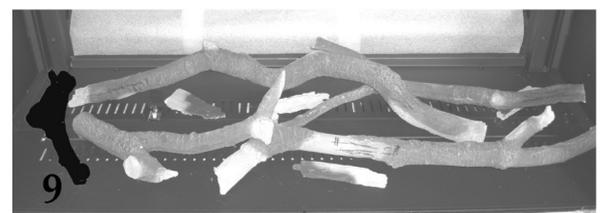
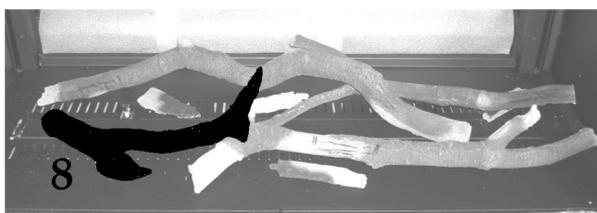
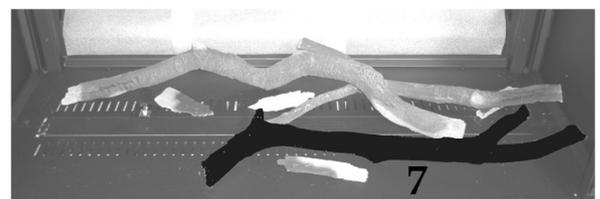
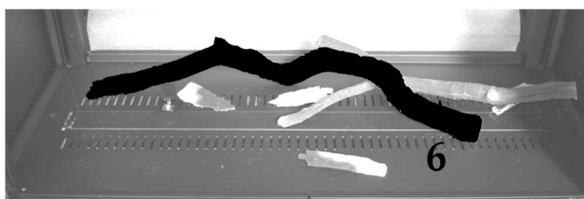
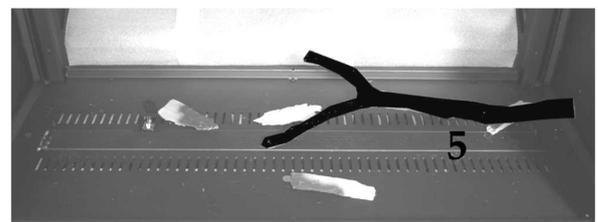
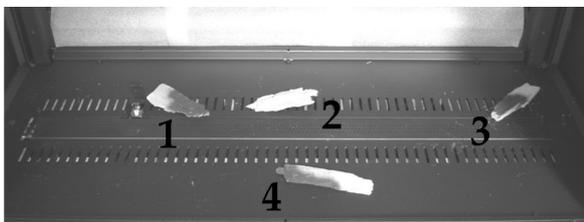
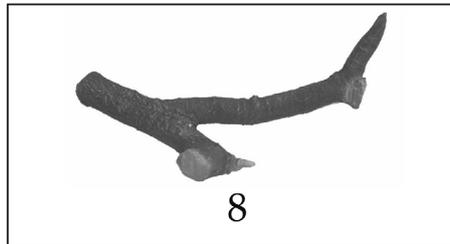
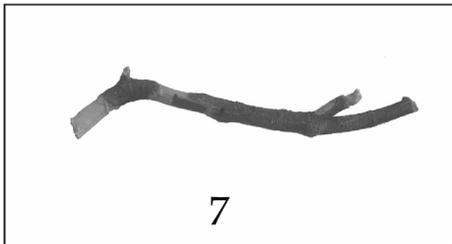
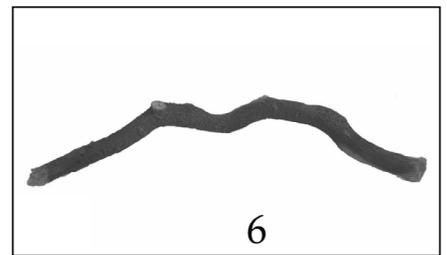
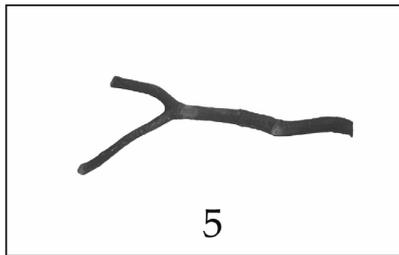
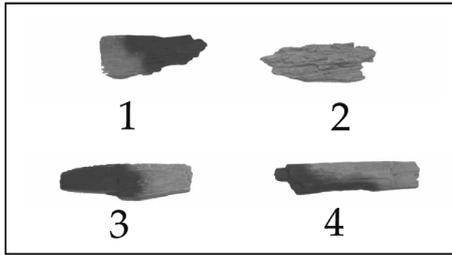


BE CAREFULL WHEN USING LARGE WHITE PEBBLES:

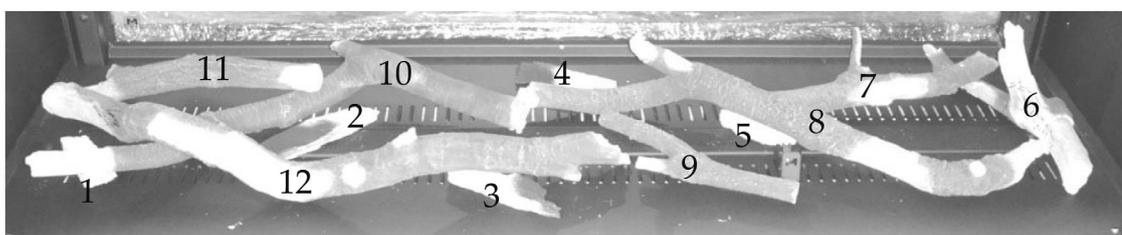
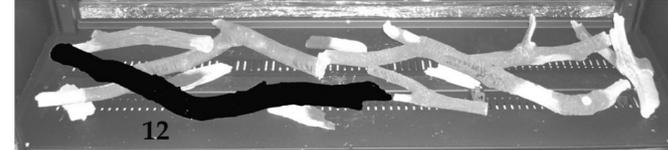
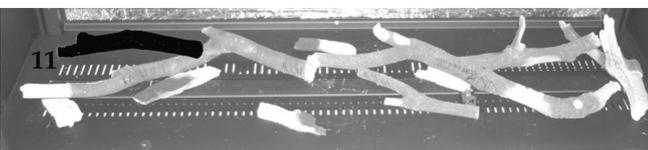
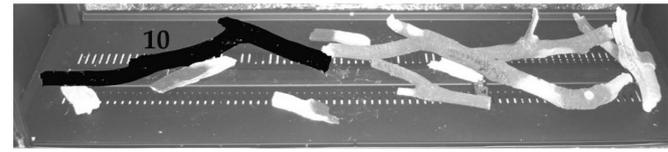
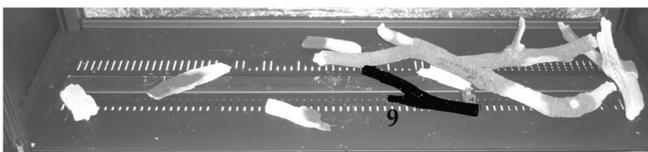
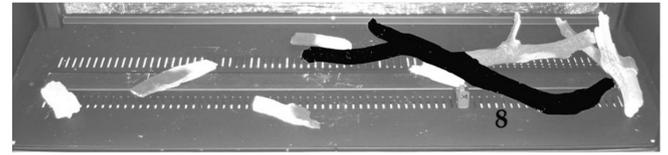
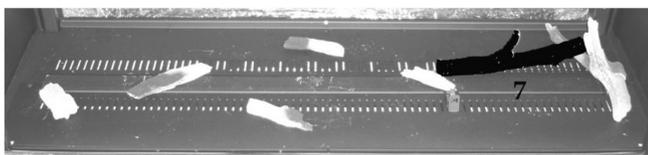
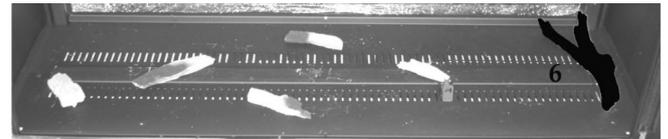
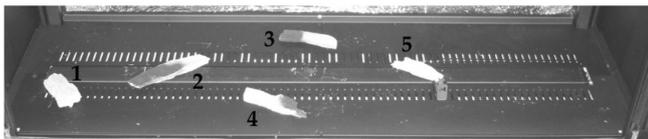
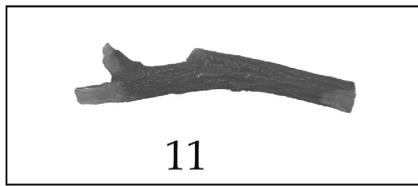
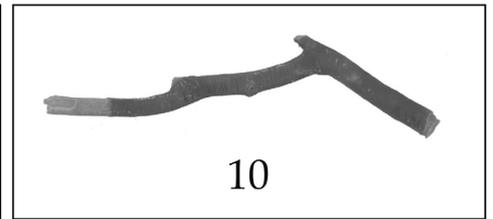
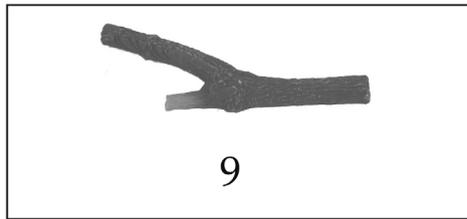
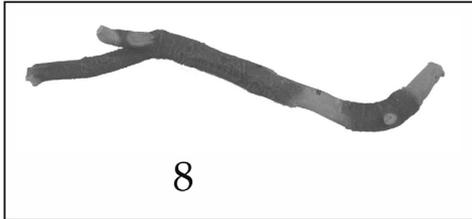
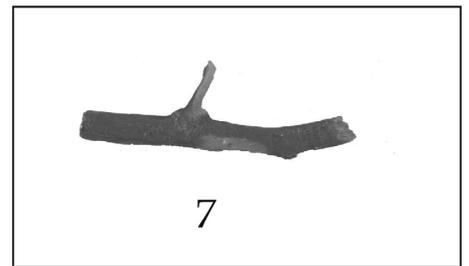
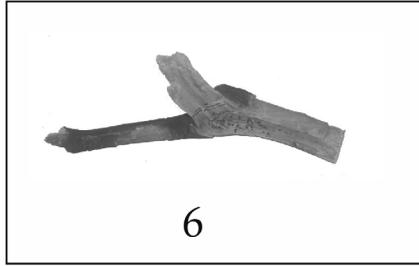
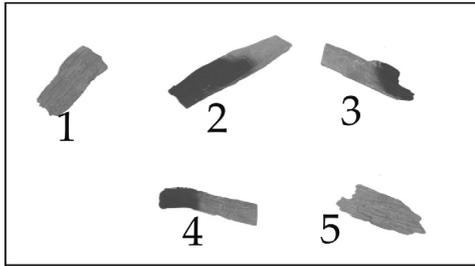
1 bag of small white pebbles is in the set. These must be placed on the burner. The large white pebbles may be deposited after, around the small pebbles and may not be deposited directly on the burner



Logs for Luna Diamond 1000 RD Gas



Logs for Luna Diamond 1300 RD Gas



9. First-time user

The masonry and plaster surrounding a recently installed appliance holds a great deal of moisture, which must first evaporate before commissioning the appliance. If not, the plaster may crack or split. Ask your installer about the timescale to follow. The first time you use it, only make a moderate-sized fire.

The first few times the appliance is used, an unpleasant odour may be apparent.

It comes from the protective paintwork. These emissions are totally harmless. To quickly get rid of these odours, all you need to do is ventilate the room for a while.

After the first few fires, a light deposit may appear on the window. It comes from the paintwork. Once the appliance is cold you can get rid of this deposit by using M Design's Bio-Clean cleaning product. This product may be used later on for cleaning the window.

The appliance must not be used if the door no longer has a window or with the door open. If the window is broken or cracked, the appliance must not be used until the window has been replaced. Contact your M Design reseller.

10. Safety, device and maintenance

Have your appliance inspected every 2 years by a qualified technician.

Please observe the following points:

- Closed appliances produce intense heat, which means that all the surfaces of the external walls (metal, door frames and windows) become very hot once a certain temperature is reached. Make sure that young children do not touch the window; this could result in severe burns.

- The logs, ceramic pebbles, a Diamond set and a Sapphire set are delivered with the appliance. **Never put other objects in the flames!**

- Check that there is nothing on the ignition pin and that the imitation coal does not lie on the small openings of the burner. When starting up, make sure you see the ignition sparks.

- **If after 2 attempts the device does not start up, wait 15 minutes before restarting, or open the window to attempt to start up. If this does not work, please contact the dealer and not try to get the device started.**

- Keep inflammable materials a suitable distance from the appliance (min. 1m)!

- Never modify the settings yourself! The furnace warranty will then be considered as invalid, null and void.

- Never let children use the remote control without supervision.

- If the burner goes out for any reason, wait at least three minutes before lighting the appliance again. Open the window to vent the fireplace.



11. Guarantee

This page is your warranty card.

The guarantee is only valid for faults caused by construction defects or defects in the parts used to build the appliance.

M-Design offers a 12 month guarantee on all electronic parts and a 8 year guarantee on the appliance construction.

Caution: The following items are always excluded from the guarantee:

- The glass, door, joints and internal decor.
- The defects which occur are fully or partially a consequence of
- Non respect of the order, installation and maintenance instructions
- Assembly, installation or repair by a third-party, including the buyer
- Heat cracks which normally occur in the mantel
- In cases where changes have been made to the appliance without our consent
- In cases where the buyer cannot show his/her warranty card with the purchase invoice.

Likewise where the guarantee and/or the invoice show(s) signs of tampering or forgery (crossed out date, illegible, modifications).

In the case you would like to make use of the manufacturer's warranty, you should contact your reseller in the first instance. Please take good care of your purchase invoice and warranty card and store them in a safe place.



<p>Identification board</p> <p>SERIAL NUMBER :</p> <p>.....</p>	
--	--

12. Specifications Luna 1000RD gas

Type Gas / Type de Gaz	AARDGAS / GAZ NATUREL				PROPAAN / LPG				
Categorie / Categorie	I _{2H}	I _{2L}	I _{2E+}	I _{2E}	I ₃₊	I _{3B/P}			
Categorie / Categorie	G25		G20		G31		G30		
Type /Type	C ₁₁ , C ₃₁ , C ₉₁	C ₁₁ , C ₃₁ , C ₉₁	C ₁₁ , C ₃₁ , C ₉₁	C ₁₁ , C ₃₁ , C ₉₁	C ₁₁ , C ₃₁ , C ₉₁	C ₁₁ , C ₃₁ , C ₉₁	C ₁₁ , C ₃₁ , C ₉₁		
Aansluitdruk / Pression d'entrée (mbar)	25		20		30	37	50	28-30	
Branderdruk / Pression de brûleur (mbar)									
Verbruik / Consommation (m ³ /h)									
Inspuiter brander / Injecteur brûleur	6 x 0,85		6 x 0,85		6 x 0,6	6 x 0,6	6 x 0,6	6 x 0,6	
Inspuiter waakvlam / Injecteur veilleuse	38/33A		38/33A		0.20P3	0.20P3	0.20P3	0.20P3	
Rendement / Rendement (%)									
Nom. Belasting / Charge nominale (KW)									
Nuttig vermogen / Puissance utile (KW)									
Klassement NOX-emissie / Classement d'émission NOX	5		5		5	5	5	5	
Cat. Rendement CE / Catégorie rendement CE	1		1		2	2	2	2	

11. Specifications Luna 1300RD gas

Type Gas / Type de Gaz	AARDGAS / GAZ NATUREL				PROPAAN / LPG			
Categorie / Categorie	I _{2H}	I _{2L}	I _{2E+}	I _{2E}	I ₃₊	I _{3B/P}		
Categorie / Categorie	G25				G31			
Type /Type	C ₁₁ , C ₃₁ , C ₉₁	C ₁₁ , C ₃₁ , C ₉₁	C ₁₁ , C ₃₁ , C ₉₁	C ₁₁ , C ₃₁ , C ₉₁	C ₁₁ , C ₃₁ , C ₉₁	C ₁₁ , C ₃₁ , C ₉₁	C ₁₁ , C ₃₁ , C ₉₁	C ₁₁ , C ₃₁ , C ₉₁
Aansluitdruk / Pression d'entrée (mbar)	25		20		30	37	50	28-30
Branderdruk / Pression de brûleur (mbar)	24		19.2		29.2	36.1	36.1	28.2
Verbruik / Consommation (m ³ /h)	1.132		1.026		0.344	0.389	0.389	0.295
Inspuiter brander / Injecteur bruleur	6 x 1,10		6 x 1,10		6 x 0,65	6 x 0,65	6 x 0,65	6 x 0,65
Inspuiter waakvlam / Injecteur veilleuse	38/33A		38/33A		0.20P3	0.20P3	0.20P3	0.20P3
Rendement / Rendement (%)	85		87		70	70	70	70
Nom.Belasting / Charge nominale (KW)	9,2		9,7		8,4	9,5	9,5	9,5
Nuttig vermogen / Puissance utile (KW)	8,0		8,4		5,9	6,7	6,7	6,7
Klassement NOX-emmissie / Classement d'émission NOX	5		5		5	5	5	5
Positie luchtregeling brander / Position réglage d'air brûleur	HR+		HR+		LPG	LPG	LPG	LPG
Cat. Rendement CE / Catégorie rendement CE	1		1		2	2	2	2

12. Remote control (direct ignition)

1. First use (Connect the remote control)



1



2

Keep pressing the button  until 24:00 appears in the top left corner (1).
Press several times on  until you see "bnd" on the screen (2)
Press shortly on  and 
You see the temperature on the screen. Your remote control is now connected.

2. Ignite the fire



Press simultaneously on  and 

You hear the ionisation pen ticking.
The ticking lasts for about 15 sec.
At initial setup, it's possible that the pilot flame doesn't ignite immediately because the pipes are not yet fully deflated.
You can try this up to 5 times before the unit will be placed in safety. If this fails, please contact your installer.

3. Manual control



From the moment the burner is on, you can start with the flame height control.

The screen will automatically show manual control (flame height control)

Press on  until you see number 15.

This is the maximum flame height.

Choose a flame height from 1 to 15

by pressing  or 

1. Main burner



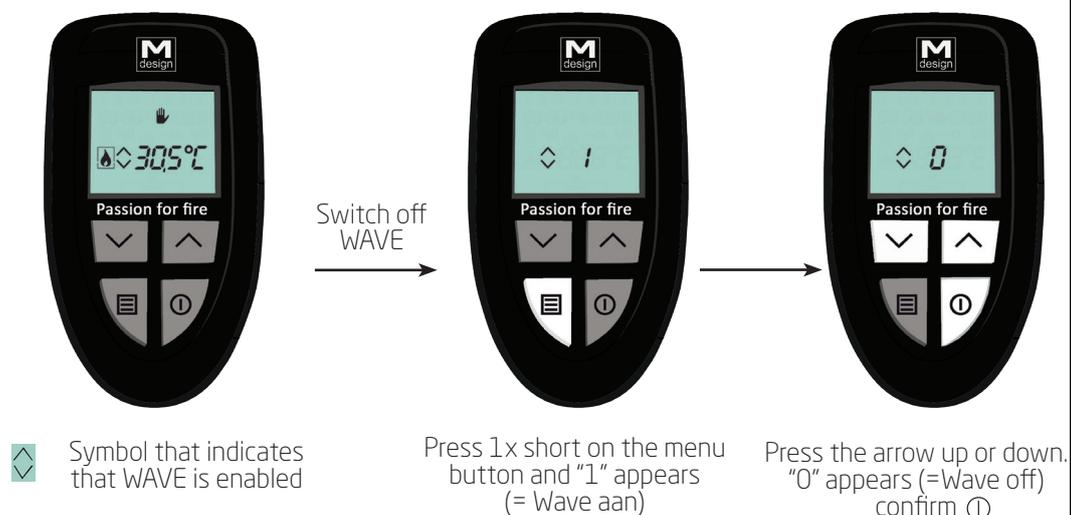
1

5. ECO WAVE

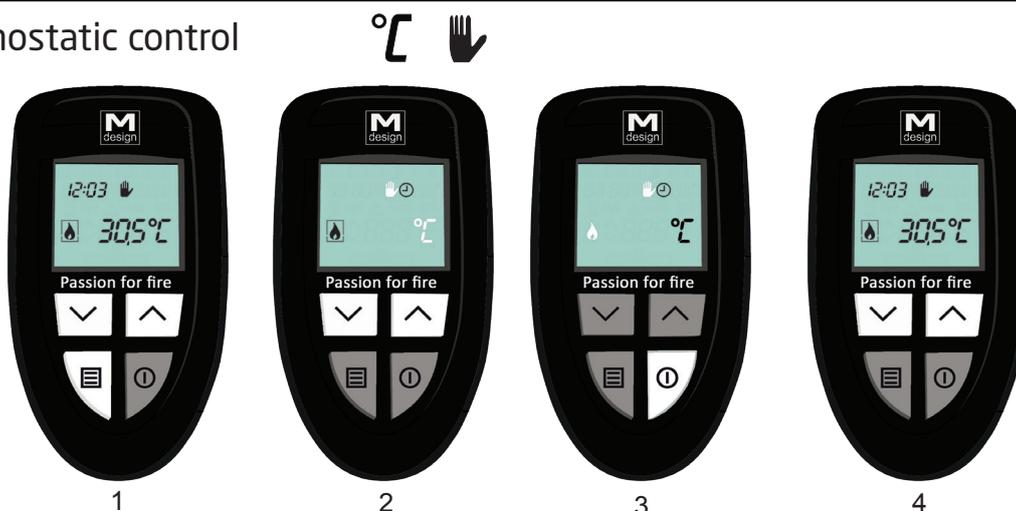
ECO WAVE Each model is standard delivered with ECO-WAVE

ECO-WAVE is an automatic cycle of fluctuating flames.

At each start-up of the fire, the system starts in ECO-WAVE mode !



4. Thermostatic control



In case you want to go to a thermostatic control, you follow the next steps:

Press 2x the button until you see the screen with the symbols shown in picture 2.

Press or until the symbols and are blinking (pic 2).

Confirm your choice by pressing (pic.3).

Choose a temperature with the "up" and "down" arrows (pic. 4).

Don't place the remote control near the fire. The temperature sensor is in the remote

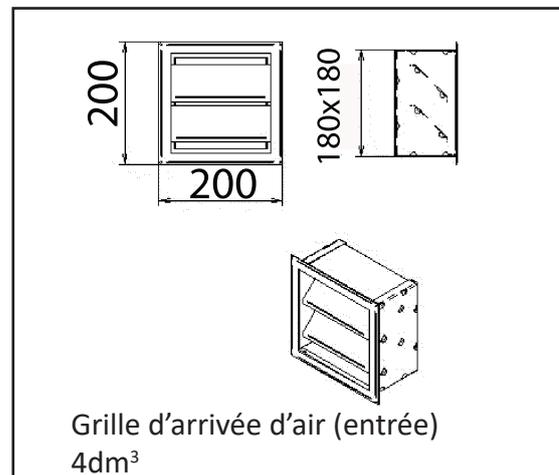
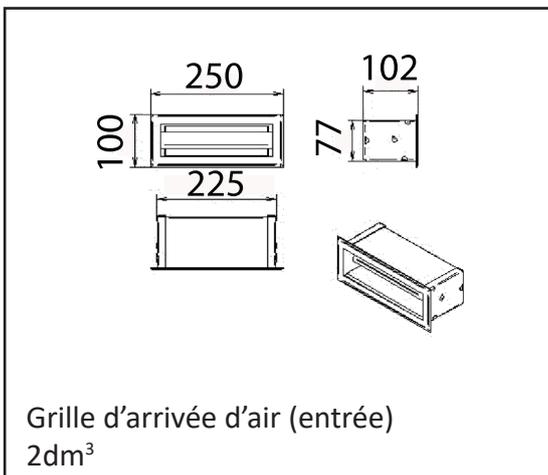
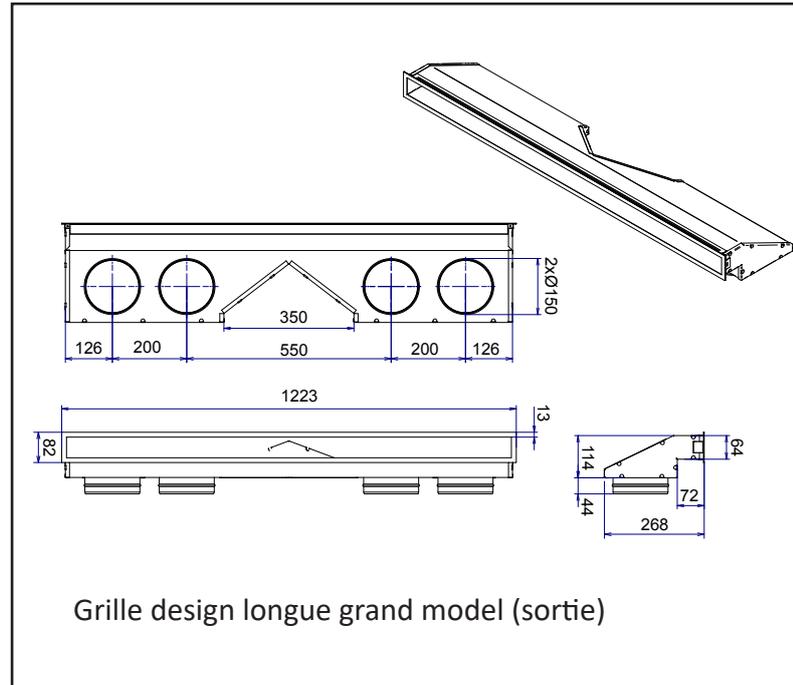
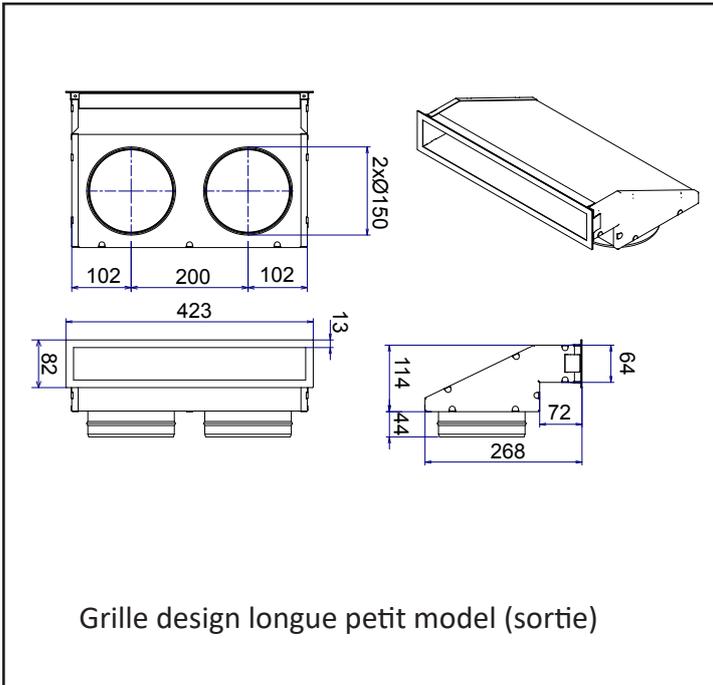
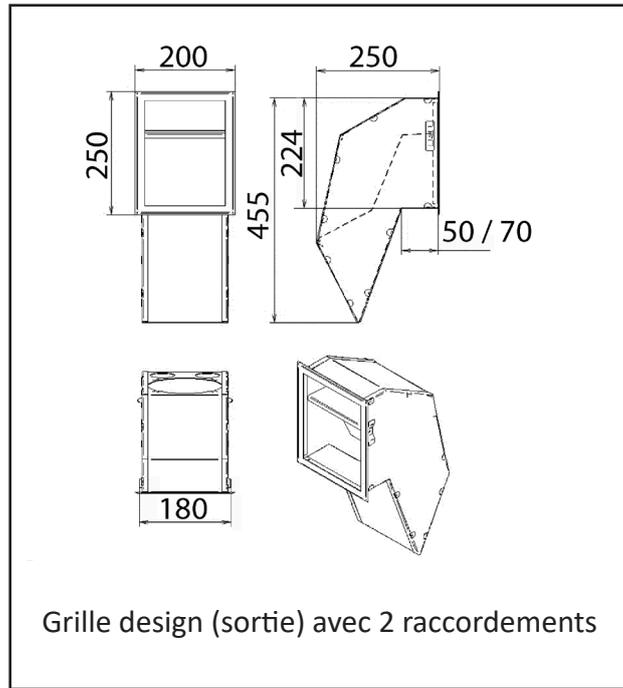
control. To get back to manual control do the same until and are blinking.

Confirm with

Shut down fire :

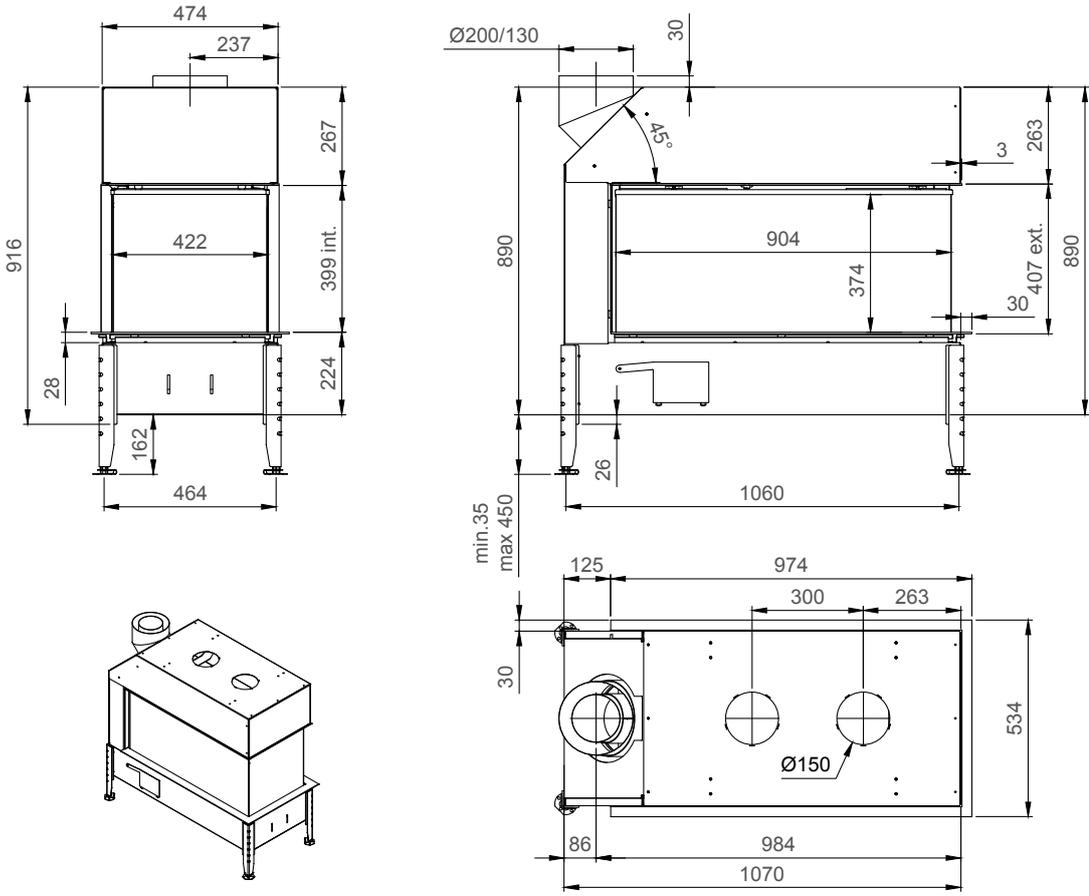
Press to turn off the fireplace. The fireplace will start-up with 1 or multiple burners depending on the "b" position.

14. DIMENSIONS DESIGN GRILLS



15. DRAWINGS

Luna Diamond Gaz 1000RD



Luna Diamond Gaz 1300RD

