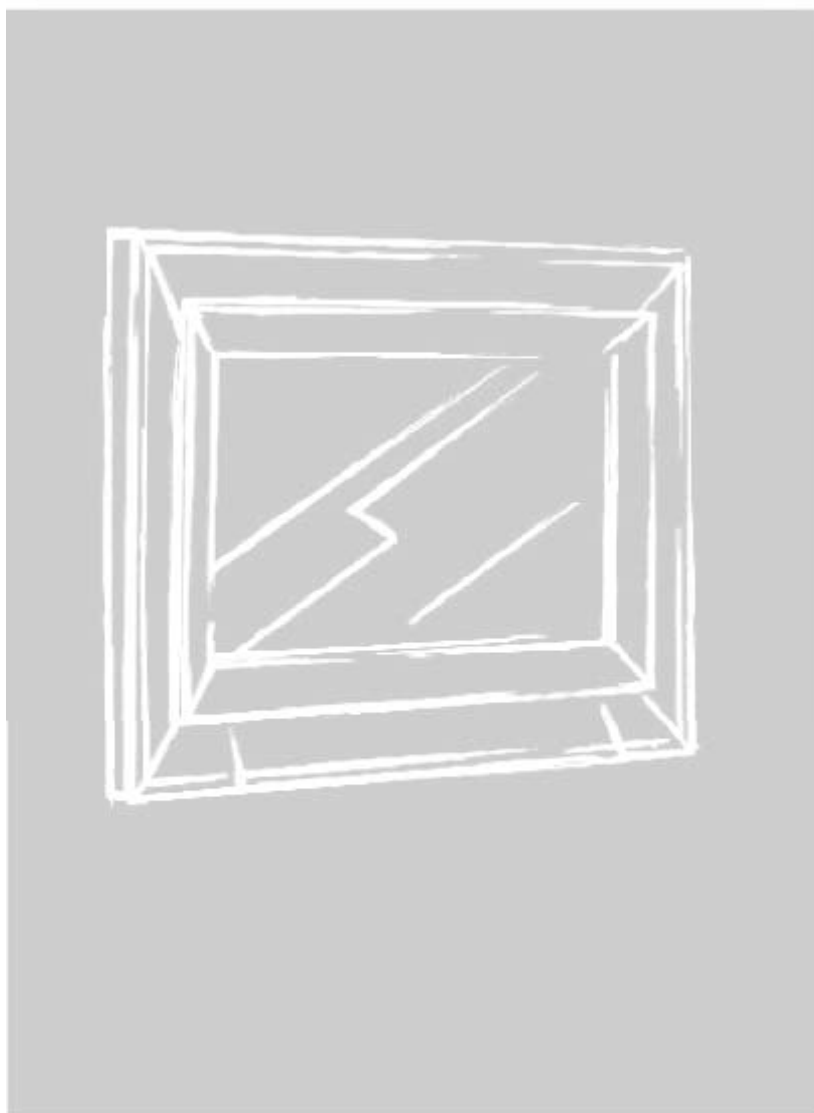


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SERENE C11
EMOTION C11
INTENSE C11

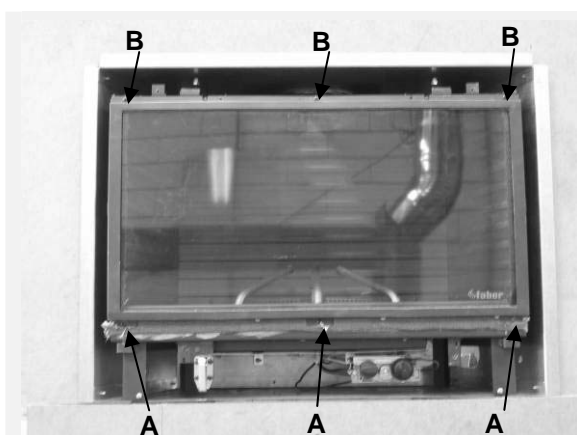
UK

Installation Guide

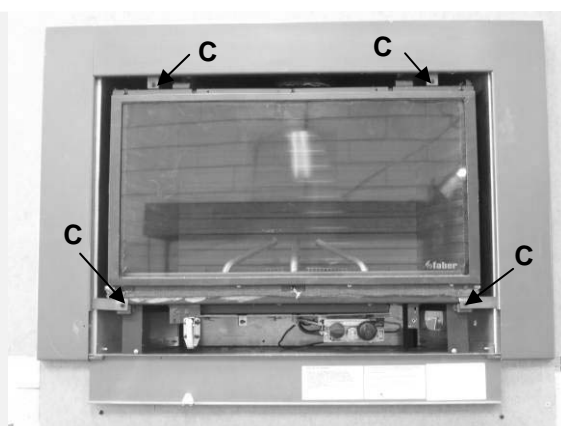
IRL

 **faber**

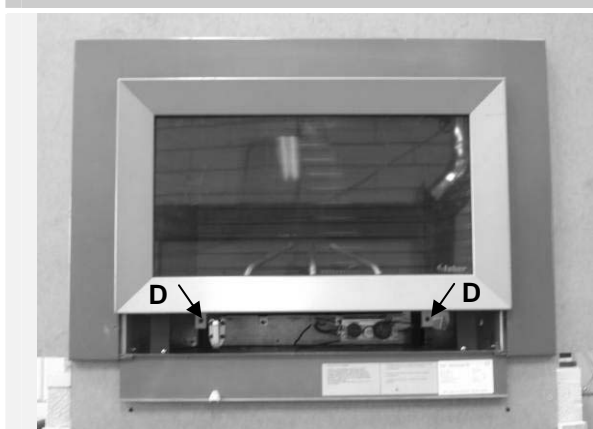
Serene



1.1



1.2



1.3

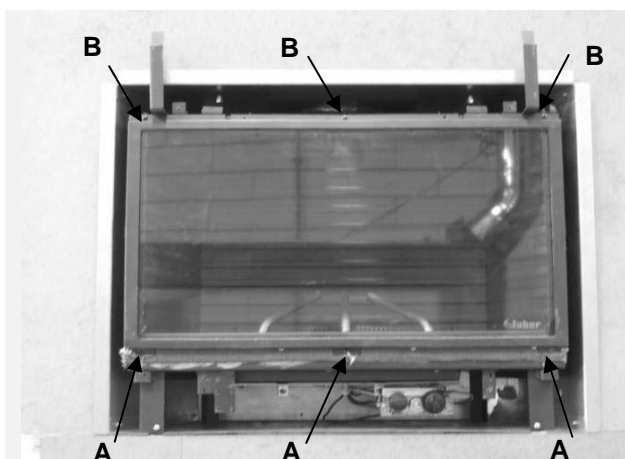


1.4

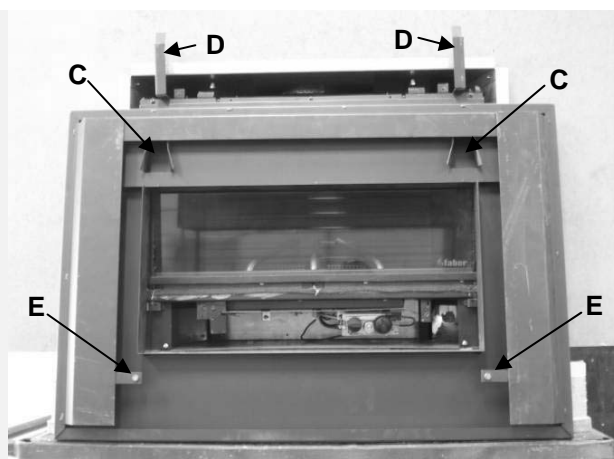


1.5

Emotion / Intense



2.1



2.2



2.3



2.4

Content

1	Introduction	4
2	Safety and general information	5
3	Installation requirements	6
3.1	False chimney breast	6
3.2	Flue requirements.....	6
3.3	Flue restrictor	7
3.4	Terminal position	7
3.5	Using an existing chimney.	7
4	Instruction for Installation	9
4.1	Gas Connection	9
4.2	Electric connection	9
4.3	Preparing the appliance.....	9
4.4	Placing the appliance in an existing chimney breast	9
4.5	Building the Serene in a False Chimney Breast.....	10
4.6	Flue system	10
4.7	Placing the Log set	11
4.8	Placing the glass.....	11
4.9	Placing the Frame (Serene).....	11
4.10	Placing the Frame (Emotion / Intense)	11
5	Commissioning (functional checks)	12
5.1	Pilot ignition check	12
5.2	Check functional burner and pilot burner.....	12
6	Handing over (final check and customer briefing)	13
7	Servicing	13
7.1	Routine annual servicing	13
7.2	Cleaning the glass.....	13
7.3	Converting to butane/propane.....	14
	Appendix A: Example calculation.....	15
	Appendix B: Flue restrictor	16
	Appendix C: Technical specifications Serene.....	17
	Appendix D: Dimensions Serene	18
	Appendix E: Dimensions Emotion	19
	Appendix F: Dimensions Intense	20
	Appendix G: Dimensions Convection grid	21

1 Introduction

Note: these instructions should be read carefully and retained for future reference. Please leave these instructions with the user.

Special features:

- The Serene can be build on all desired heights
- Room sealed appliance, inlet and outlet are led to the outside using a natural draught concentric pipe system (100 mm/150 mm) (no power fan required)
- Air supply and flue-gases go to outside atmosphere through wall or roof. A horizontal extension is possible (see appendix A and B).
- Remote Control is standard.
- Meets the requirements of the European Gas Appliance Directive (GAD) and carries the CE mark.

2 Safety and general information

Before installation, ensure that the local distribution conditions (identification of the type of gas and pressure) and the adjustment of the appliance are compatible.

This gas appliance is factory set and can not be adjusted.

This appliance does not contain any component manufactured from asbestos or any asbestos related products.

Ventilation

This appliance is room-sealed and doesn't require purpose provided ventilation.

Never use the appliance if it has a broken glass.

General safety

It is the law in the UK that all gas appliances, are installed by a competent person in accordance with the Gas Safety (Installation and Use) Regulations (as amended), the relevant British Standards for Installation work, Building Regulations, Codes of Practice and the manufacturers instructions.

Always use an additional guard if there are elderly, infirm or children in the same room of the appliance.

The installation should also be carried out in accordance with the following where relevant:

- BS5871 Part1
- BS5440 Parts 1 & 2
- BS1251
- Building Regulations Document J (as applicable)
- Building Regulations and Standards issued as relevant by the Department of the Environment or the Scottish Development Department
- In the Republic of Ireland installation should be carried out in accordance with IS813, ICP3, IS327, Building Regulations, Codes of Practice, the manufacturers instructions and all other regulations in force

Failure to comply with the above could leave the installer liable to prosecution and invalidate the appliance warranty.

3 Installation requirements

Note: Since the appliance is a source of heat, circulation of air occurs. Therefore it is of importance that you do not use the appliance shortly after a renovation of the home. Due to the natural circulation of air, moist and volatile components from paint, building materials, carpet etc. will be attracted to the lit appliance. These components can settle onto cold surfaces in the form of soot.

As on all heat producing appliances, soft furnishings such as blown vinyl wallpaper placed too near the appliance may become scorched or discoloured. This should be born in mind when installing the appliance.

3.1 False chimney breast

The appliance must be installed in an existing chimney breast or non combustible false chimney breast. For the dimensions of the appliance, see appendix D.

Keep the following in mind:

- do not place the appliance on combustible materials or carpets
- all walls have to be made of non-combustible material (e.g. Promatec).
- do not place the lintel, surround or marble stone directly onto the appliance. If possible, apply a lintel made of cement or something similar.
- always ventilate the space above the appliance. Use a Faber ventilation grid (see appendix E)
- to avoid cracking, the plaster has to dry for at least 1 day per millimetre plaster
- to avoid discolouring the plaster has to be heat resistant to min. 100°C.

3.2 Flue requirements

The appliance is of the type C11/C31. The appliance will need to be supplied with the approved Faber flue pipes and terminal, it is not possible to supply your own. The minimum effective height of the flue system must be 1 meter.

Flue routing:

- a horizontal extension with elbows is allowed for a maximum of 6 meters.
- vertical max. 12 meters (without horizontal extensions only)

Determine with the help of appendix A, B and C if the desired routing is possible.

To establish this you will need to calculate:

- The effective height (this is the real difference in height between the upper side of the appliance and the terminal)
- The total horizontal extension. This is the total horizontal flue length where:

1. each 90-degree bend, which is in the horizontal area, counts for 2 meter
2. each 45-degree bend, which is in the horizontal area, counts for 1 meter
3. elbows and bends at the transition from horizontal to vertically are not to be counted
4. the wall mounted terminal counts for 1 meter

3.3 Flue restrictor

If applicable, in the table of appendix B is also stated the size of a flue restrictor. This restrictor needs to be fitted in the combustion chamber when placing the appliance. Normally the smallest flue restrictor is fitted at production.

3.4 Terminal position

Verify if the required terminal position meets the local installation regulations regarding disturbance, good functioning and ventilation:

- The terminal must be located so that the outlet is not obstructed. If the flue terminal is located within 2 meters of a footway path or where people could come into contact with it, then a suitable terminal guard must be fitted
- Terminals located close to shared walkways, footpaths etc. could be subject to legal constraints and this should be pointed out to the customer before installation. If in any doubt about flue location advice should be sought from local building control, or if appliance-related, from the manufacturer including wherever possible a dimensioned sketch
- Avoid locating the terminal in close proximity to plastic materials such as gutters or other combustibles. If this is unavoidable then a suitable deflector should be made.
- Some important requirements for a good functioning are
- The wall-mounted terminal has to be at least 0,5 m off:
 - Corners of the building
 - Below eaves
 - Balcony's etc.
 - The roof mounted terminal has to be at a distance of at least 0.5 meters of the sides of the roof, excluded the ridge

3.5 Using an existing chimney.

You can connect the appliance onto an existing chimney. The existing chimney then functions as air supply, where a flexible stainless steel liner (to BS715) of 100 mm performs the flue function.

Requirements:

- Any existing chimney used as an air supply must only service this appliance.

- A chimney that has previously been used for solid fuel must be swept before use.
- The existing chimney needs to be airtight.
- The existing chimney needs to have an opening of min. 150 x 150 mm.
- The chimney needs to be intact and well looked after.
- Use the adjustable roof-mounted-terminal especially made for this, and the chimney connection set.

For more information see the manual "Chimney Connection Set" delivered with the set.

4 Instruction for Installation

4.1 Gas Connection

- Installation pipes should be in accordance with BS 6891. Pipe work from the meter to the appliance must be of adequate size.
- The complete installation including the meter must be tested for soundness and purged as described in the above code.
- A means of isolation must be provide in the supply to facilitate servicing. The connection should be made in 8 mm copper or similar semi flexible tube. (max 1 meter). Ensure that the gas pipe does not interfere with the removal or replacement of the burner tray or of the controls. The gas connection is nut and olive suitable for 8 mm pipe.

4.2 Electric connection

Always place a domestic power socket (230VAC - 50 Hz) near the appliance

4.3 Preparing the appliance

- Remove the frame (see 4.9 and 4.10)
- Take the box with the log set out of the combustion chamber.
- Place the right flue restrictor in the combustion chamber. To determine the right flue restrictor, see appendix A & B

4.4 Placing the appliance in an existing chimney breast

If possible, first locate the appliance before assembling the flue. If this is not possible then always use an extendible pipe before connection onto the appliance.

- Check if the floor and wall are sufficiently level. If not, you should fix this
- Prepare the gas connection
- Position the firebox in the fireplace opening.
- Make the gas connection according to the instructions (also see gas connection, chapter 5.1)
- Assemble the flue system onto the firebox (see chapter 5)
- Check if applicable that the safety hatch seals the combustion chamber properly. Do not fasten it at all! If you fasten it, this explosion safety hatch won't function properly!
- Place the log set (see placing log set, chapter 5.4).
- Place the glass; check the glass sealing rope is in good condition and makes an effective seal. Be sure that there are no fingerprints on the glass. It is not possible to remove

those prints once they are burned in the glass:

- Place the glass in front of the appliance and fix it with the glass clamps. Replace the frame.
- Check on visual leakages around the door sealing.

4.5 Building the Serene in a False Chimney Breast

- If possible make a false ceiling in the False chimney breast that is positioned about 300 mm under the ceiling
- Always place ventilation grids in the False chimney Breast (see appendix E). For the best result keep 300 mm between grid and ceiling.
- Make the gas connection according to the instructions (see gas connection, chapter 5.1)
- Assemble the flue system onto the firebox (see chapter 5)
- Check if applicable that the safety hatch seals the combustion chamber properly. Do not fasten it at all! If you fasten it, this explosion safety hatch won't function properly!
- Build the false chimney around the appliance
- Place the log set (see placing log set, chapter 5.4).
- Place the glass; check the glass sealing rope is in good condition and makes an effective seal. Be sure that there are no fingerprints on the glass. It is not possible to remove those prints once they are burned in the glass:
 - Place the glass in front of the appliance and fix it with the glass clamps. Replace the frame.
 - Check on visual leakages around the door sealing.

4.6 Flue system

- Make a hole of \varnothing 153 mm for the wall or roof mounted terminal.
- The horizontal pipes need to rise away from the appliance at a rate of 3 degrees per metre
- Build the system starting from the appliance on.
- Make sure you place the pipes in the right direction, the narrow end towards the appliance
- Make sure the pipes are fixed sufficiently, a wall clamp every 2m, so the weight of the pipes is not resting onto the appliance.
- The outside of the pipe can become hot (140 degrees). Stay 50 mm away from wall surface or sealing. Make sure to provide sufficiently heat resistant insulation when going through the wall or roof.
- Because of expansion or cooling down the concentric pipes can turn loose. It is recommended to fix the spring clip with a self tapping screw at inaccessible places.

To get the exact measure flue length you can use cut down concentric pipe, wall mounted

terminal or roof mounted terminal. To obtain a smoke sealed connection, the inner pipe must be 20 mm longer than the outside pipe

4.7 Placing the Log set

Never place extra elements of any kind into the combustion chamber. To guarantee good combustion, the log set may only be installed in the way specified by Faber International. Any other arrangement can lead to soot on logs or window. Do not use the fire with broken or missing logs.

On the bottom of the logs on the burners is a identification:

- 1 dimple: first log left placed over the burner and resting on the burner tray.
- 2 dimples: placed in the middle over the burner and resting on the burner tray.
- 3 dimples: the right side log placed over the burner and resting on the burner tray.
 - L location on the left side resting on the rear log.
 - R location on the right side resting on the rear log.

See picture 4 how the logs should be positioned. You are allowed to add different kind of embers on the burner tray to create your own ash bed.

4.8 Placing the glass

Be sure that there are no fingerprints on the glass. They will be burnt in.

- Place the glass together with the frame over the screws A (see figures 1.1 and 2.1)
- Place the screws B (see figures 1.1 and 2.1)

4.9 Placing the Frame (Serene)

- Place the outer frame over the builders opening (see figure 1.1)
- Place the screws C (see figure 1.2)
- Place the smaller inner frame over the outer frame (see figure 1.3)
- Place the screws D (see figure 1.3)
- Close the door. The door will be held in position by a snap lock (see figure 1.4)

4.10 Placing the Frame (Emotion / Intense)

- Align the cavities (see pointer C) with the brackets (see pointer D). Hence in figure 2.2 the backside of the frame is shown!
- Place the frame with the cavities over the brackets (see pointer D)
- Let the frame move down (see figure 2.3)
- Let the frame move towards the appliance till the magnets (see pointer E) click

5 Commissioning (functional checks)

5.1 Pilot ignition check

- Ignite the pilot light as described in the user manual
- Check if the pilot burner stays alight
- Extinguish the pilot burner

5.2 Check functional burner and pilot burner

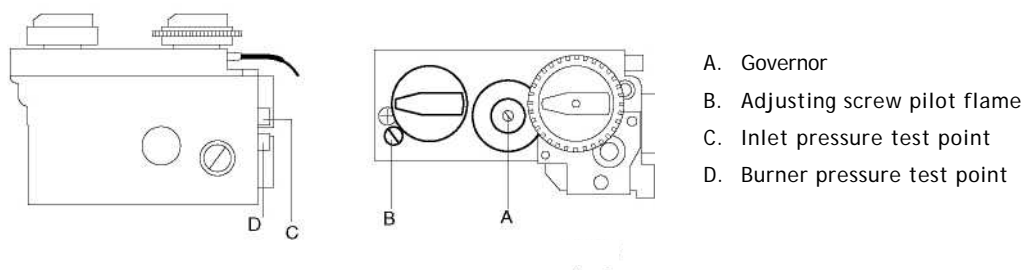
The appliance is preset to give the correct heat input. No further adjustment is necessary.

Always check the inlet pressure and burner pressure:

- Turn off the gas valve on the appliance
- Turn the inlet pressure test point C and apply the manometer
- Check if the measured pressure is the same as the prescribed pressure
- Perform this measuring when the appliance burns on full capacity and when only the pilot ignition burns
- When the pressure is too low, check if the gas pipes are made of material with the right diameter
- When the pressure is too high (more than 5 mBar overpressure) you can't install the appliance and you should contact your gas company
- Always check the burner pressure when the functional pressure is right
- Open the burner pressure test point D
- The pressure should match the described pressure. If this is not the case, then contact the supplier

Note: After checking the burner pressure, the inlet pressure test point has to be shut and checked for gas-tightness.

Fig. 23: Gas control Block



6 Handing over (final check and customer briefing)

- Instruct the customer on the full operation of the appliance and the remote control, including replacement of batteries
- Advise the customer how to clean the appliance including the glass
- Hand over these instructions including the user guide to the consumer
- Recommend that the appliance should be serviced by a competent person at least once a year

7 Servicing

To ensure safe, efficient operation of the appliance, it is necessary to carry out routine servicing at regular intervals.

It is recommended, that the fire is inspected/serviced by a competent person at least once a year.

Important: Turn off the gas supply before commencing any servicing. Always test for gas soundness after refitting the appliance!

7.1 Routine annual servicing

- Clean (if necessary):
 - a. the pilot system
 - b. the burner
 - c. the combustion chamber
 - d. the glass
- Check the log layout and replace the embers (if applicable)
- Do the functional test as described in chapter 5
- Check the flue system and terminal for damage and soundness (visual inspection)

7.2 Cleaning the glass

Depending on the intensity of use, you can get material deposits on the glass. Remove the glass (see chapter 4.3).

Remove the deposit with a dry cloth or if necessary, special ceramic glass cleaner (ceramic hob cleaner).

Attention:

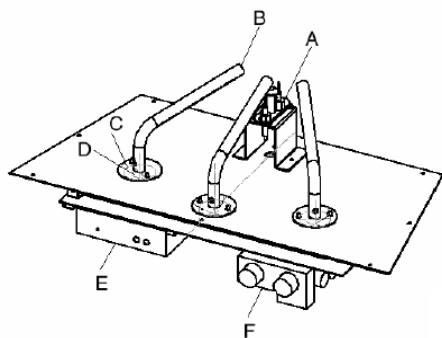
Make sure that the logs have been placed correctly before fixing the glass.

Before placing the glass: check the glass sealing rope is in good condition and makes an effective seal. Be sure that there are no fingerprints on the glass. It is not possible to remove those prints after you burn the appliance for a while (they are burnt in). Place the glass in front of the appliance and fix the glass frame or use the glass clamps.

7.3 Converting to butane/propane

Rebuilding to another gas category is only possible by exchanging the complete burner plate.

Ask your local dealer and bring the serial number of the appliance.



- A. Pilot assembly
- B. Burner
- C. Fixation plate
- D. Injector
- E. Gas control
- F. Receiver

Appendix A: Example calculation

Calculation 1:

Calculating horizontal extension fig. 2a:

Flue length C + E = 1m + 1m	2 m
Elbows D = 2m	2 m
Total horizontal extension	4 m
<u>Measure or calculate effective height (Hvert)</u>	
Flue length A	1 m
Roof mounted terminal	1 m
Total effective height	2 m

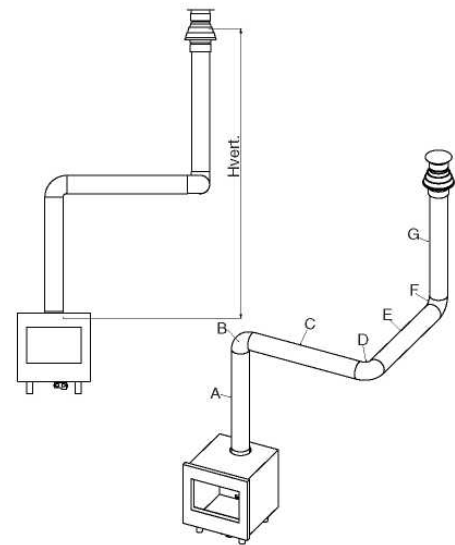


fig. 2a

Always check if the calculated situation is allowed
(see appendix B: Flue restrictor)

Calculation 2:

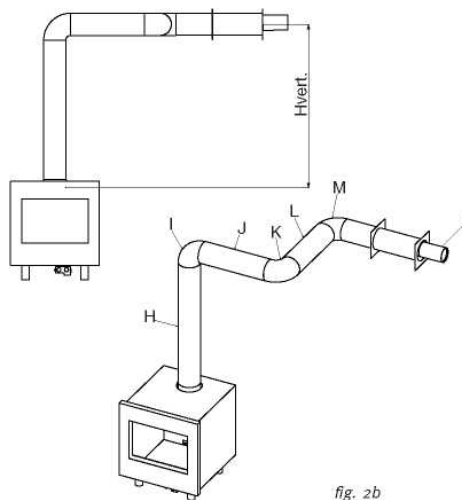


fig. 2b

Calculation horizontal extension fig. 2b:

Flue length J + L = 0,5 + 0,5	1 m
Elbows K + M = 2m + 2m	4 m
Terminal	1 m
Total horizontal extension	6 m
<u>Calculation effective height (Hvert)</u>	
Flue length H	1 m

Always check if the calculated situation is allowed
(see appendix B: Flue restrictor)

Appendix B: Flue restrictor

Determine the right flue restrictor:

- Calculate the total horizontal- and vertical length of the flue, according to the calculations in Appendix A
- Determine according to the table the right flue restrictor size
- When meeting an X, and when the values are outside the table, the combination is not allowed
- Normally the 30 mm flue restrictor is pre-installed

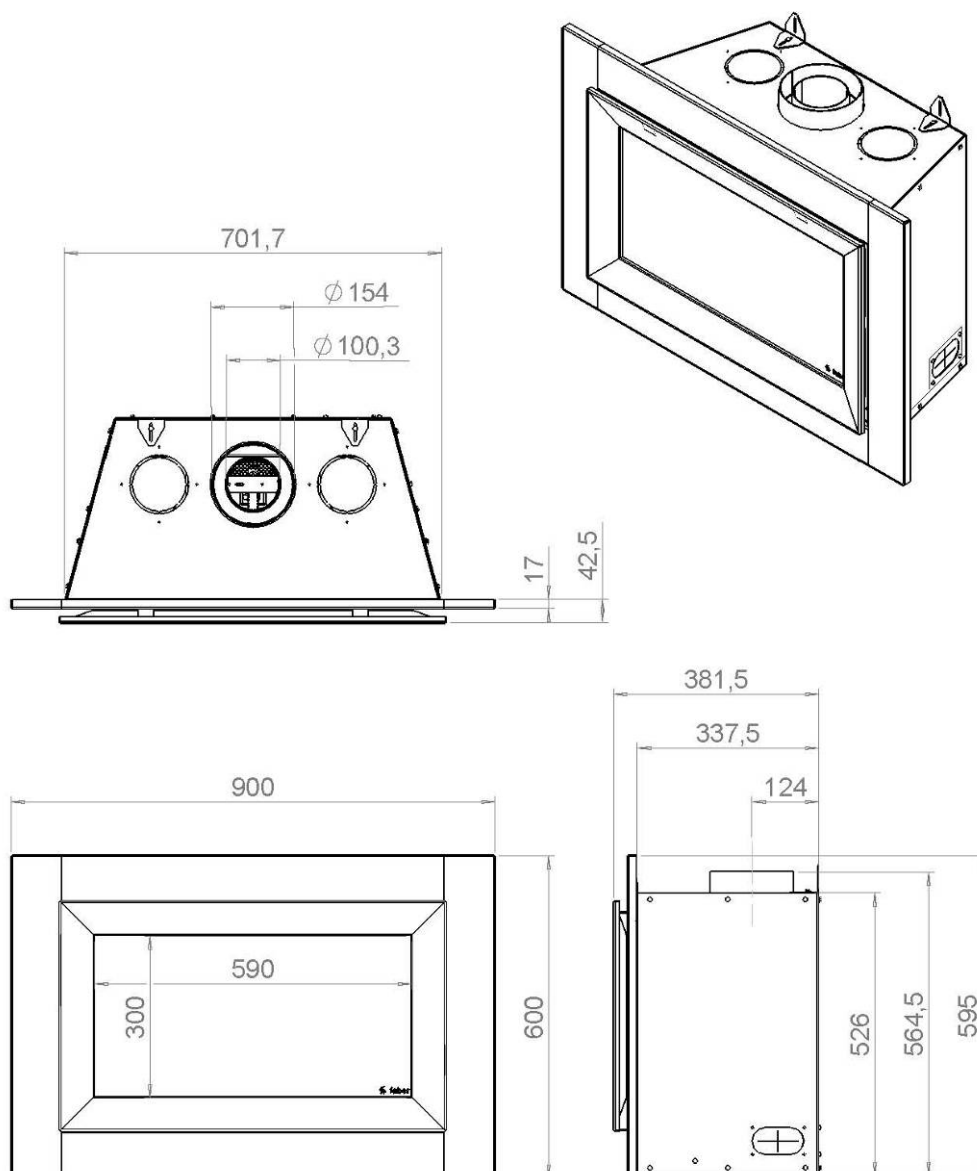
Serene C11		Horizontal length (m)						
		0	1	2	3	4	5	6
Real vertical height	0	x	x	x	x	x	x	x
	0.5	x	0	x	x	x	x	x
	1	0	0	x	x	x	x	x
	1,5	30	0	0	0	x	x	x
	2	30	30	0	0	0	0	0
	3	40	30	30	0	0	0	0
	4	40	40	30	30	0	0	0
	5	50	40	40	30	30	0	0
	6	50	50	40	40	30	30	0
	7	60	50	50	40	40	30	x
	8	60	60	50	50	40	x	x
	9	60	60	60	50	x	x	x
	10	65	60	60	x	x	x	x
	11	65	65	x	x	x	x	x
	12	65	x	x	x	x	x	x

Appendix C: Technical specifications Serene

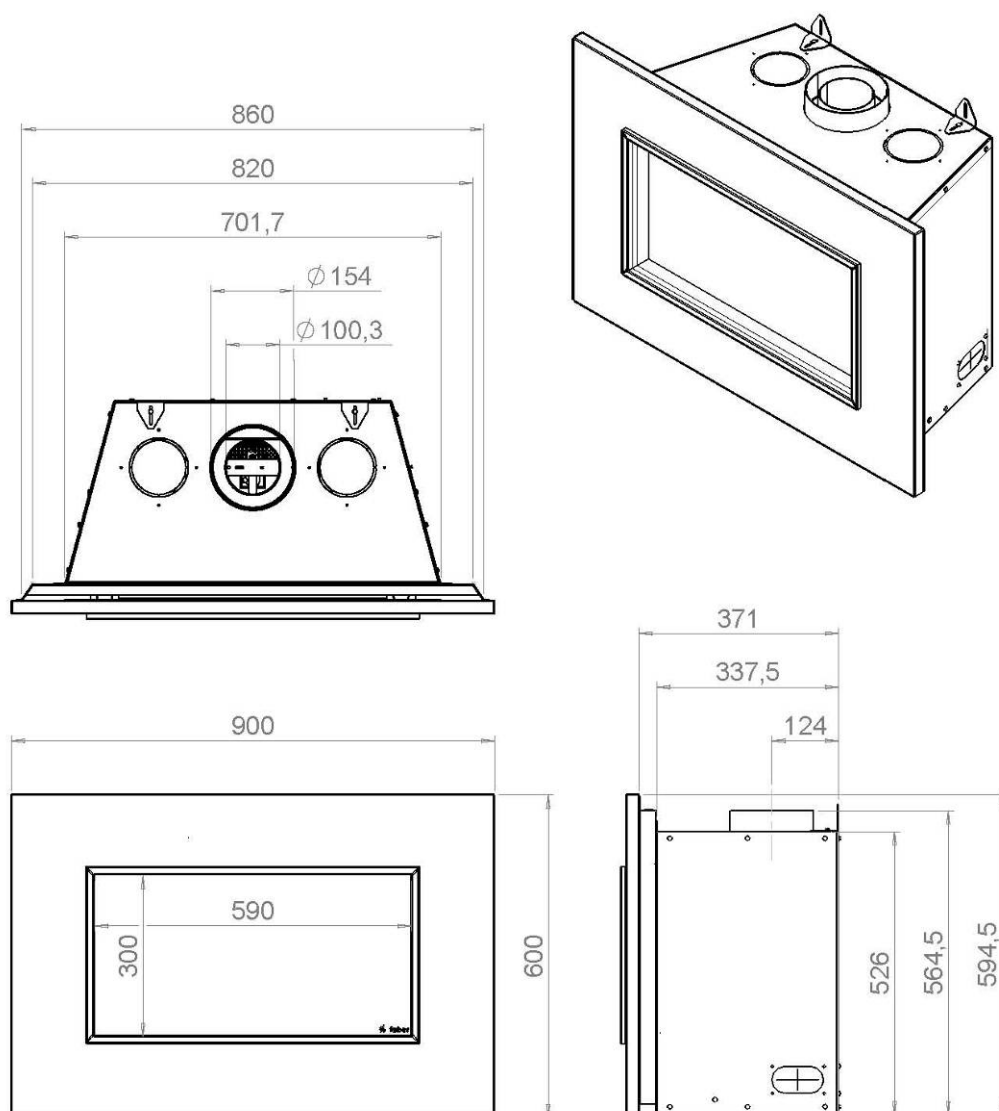
		Logburner	Logburner	Logburner
Country		UK / IRL	UK / IRL	UK / IRL
Cat		II 2E+3+	II 2H3+	II 2H3+
Appliance type		C11 / C31	C11 / C31	C11 / C31
Reference gas		G20	G30	G31
Input (Nett)	kW	6.0	6.0	6.0
Efficiency class		2	2	2
Inlet pressure	mbar	20	30	37
Gas rate*	l/h	618	183	213
Gas rate*	gram/h	-		
Working pressure	mbar	11.0	23.5	23.8
Injector size	mm	3 x 1.40	3 x 0.85	3 x 0.85
Reduced input	mm	1.6	1.0	1.0
Pilot assembly		SIT 160	SIT 160	SIT 160
Code		Nr.51	Nr.30	Nr.30
Flue system				
Flue size	mm	100-150	100-150	100-150
Std. Flue restrictor	mm	30	30	30
Gas control		GV36	GV36	GV36
Gas connection	Nut/oliv	8 mm	8 mm	8 mm

* at 15°C and 1013 mbar

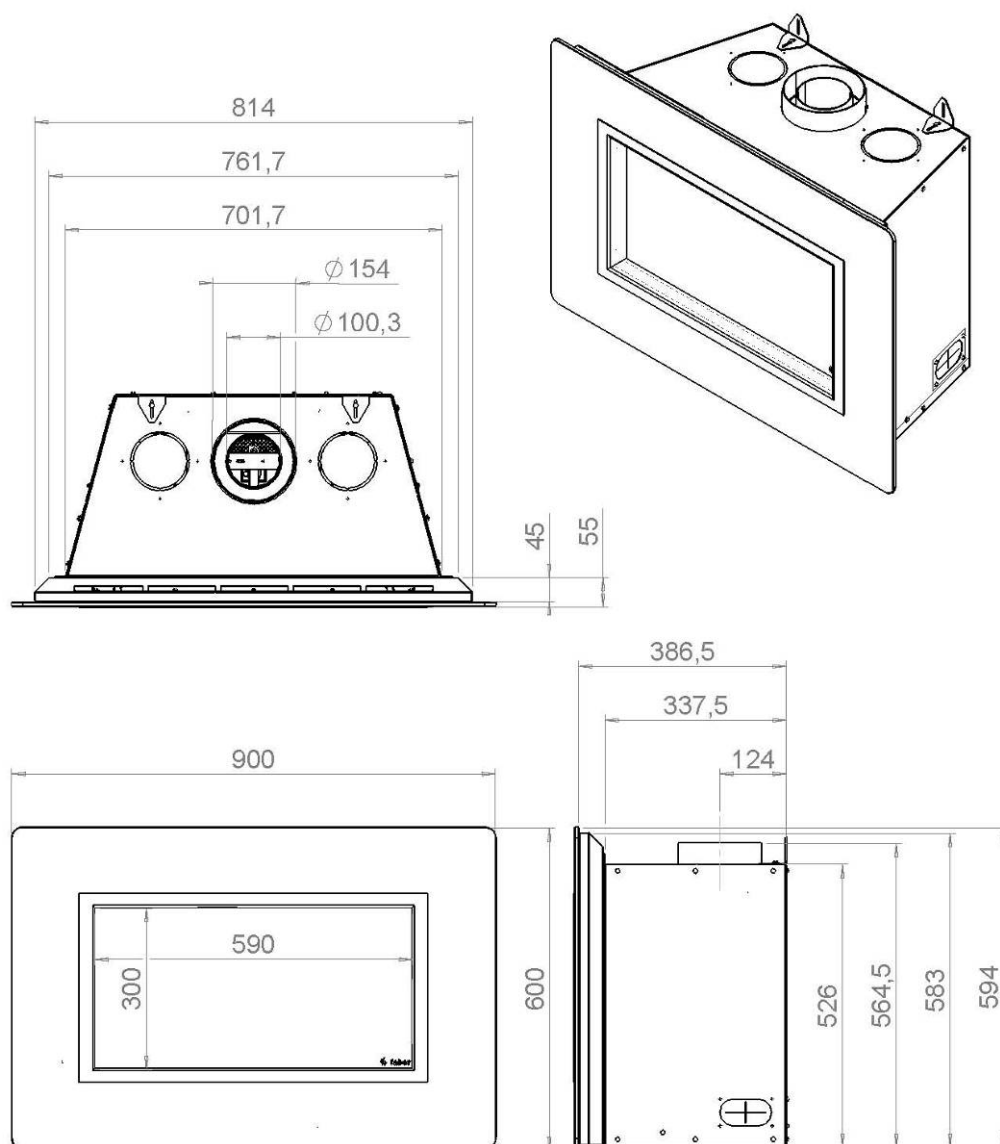
Appendix D: Dimensions Serene



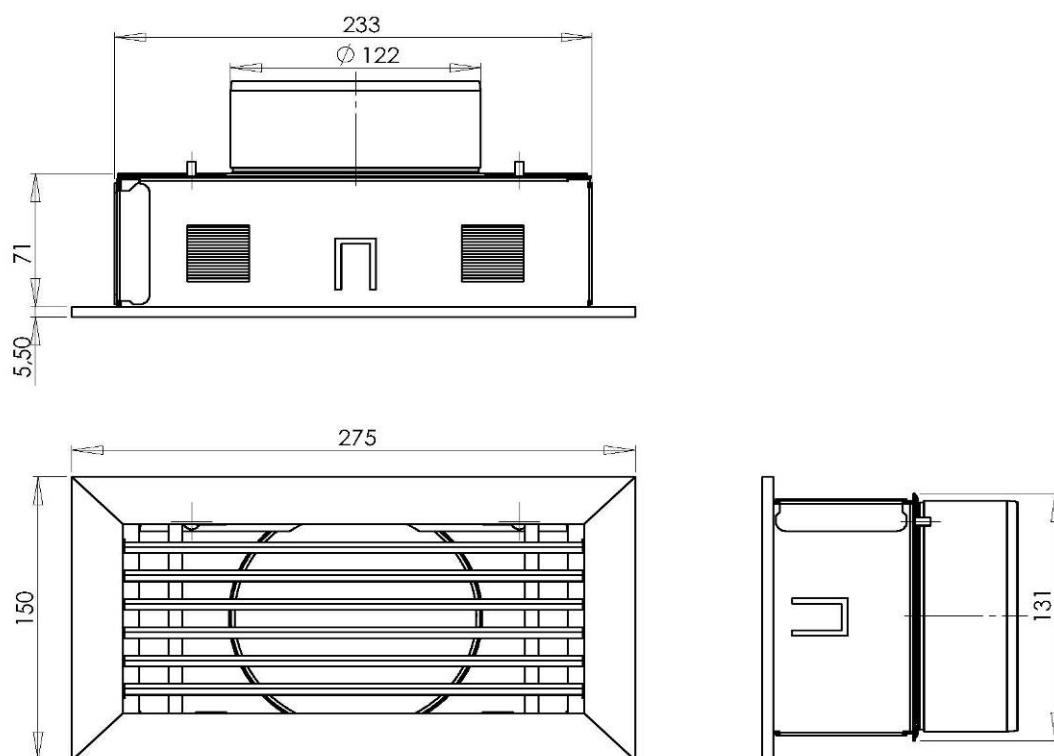
Appendix E: Dimensions Emotion



Appendix F: Dimensions Intense



Appendix G: Dimensions Convection grid





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