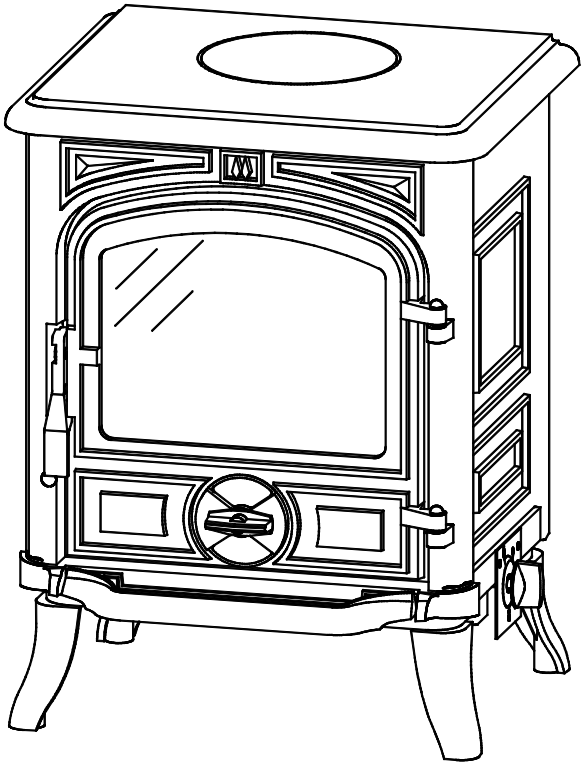
The Belfort

Balanced flue Gas stove
EN 613.

Model : 154 05 06
Natural gas (type G20)
Type : I 2E+ (FR) / I 2H (GB).

Réf. : 154 05 07
Propane (type G31)
Type : I 3P.



Description of the appliance

Installation instructions

Operating instructions

Spare parts

Warranty certificate

Document n° 963-3 ~ 17/05/2001

Français

English

Technical manual

to be saved

by the user

for future reference

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FRANCO BELGE congratulates you on your choice.
FRANCO BELGE, which has been granted the ISO 9001 certification, guarantees the quality of its appliances and is committed to meet its customers' needs.
FRANCO BELGE, which can boast a 75-year experience in the industry of heating devices, uses state-of-the-art technologies
to design and manufacture its whole range of products.

CONTENTS

WARNING

**The appliance must be installed in compliance with Current Building Regulations.
Incorrectly installed, this appliance can be dangerous
and possibly cause serious accidents.
The manufacturer's responsibility shall be limited to the supply of the equipment. ❑**

1. Product information

1.1. Package

- 1 package : Stove complete.
  The ceramic coals are supplied inside the combustion chamber.
- 1 package : Balanced flue

1.2. Optional equipment

Balanced flue elbow 135° (code 72630).

1.3. General characteristics

Model		**154 05 06**	**154 05 07**
GAS		Natural gas	Propane LPG
Type/category		G20 / I_{2H}	G31 / I_3P
Gross calorific value (heat input)	kW	4.2	3.9
Nominal output	kW	3	3
Supply pressure	mbar	20	37
Burner pressure	mbar	18,5	35,5
Gas rate	m³/h	0,44	0,16
Injector size	bray	18 / 280	18 / 120
Weight	Kg	55	55

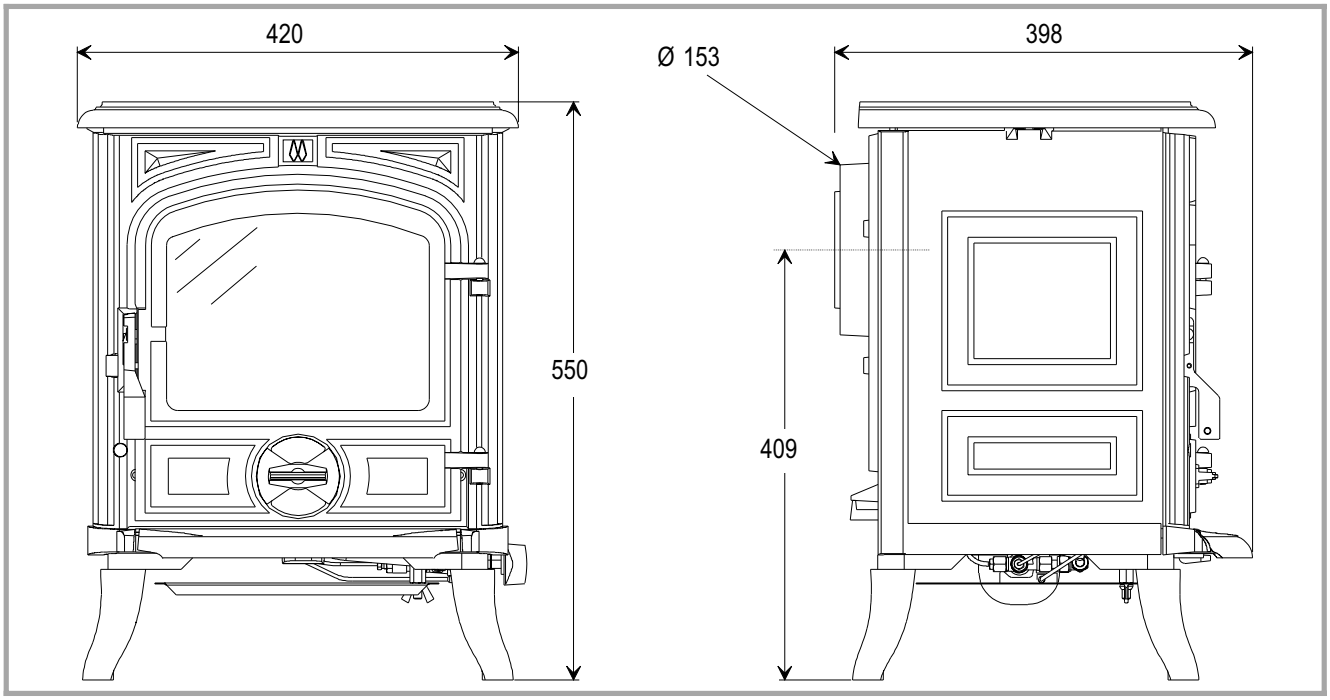

Figure 1 - Dimensions in mm

1.4. Description

The Belfort balanced flue stove has been individually designed to add traditional charm and character to your home. Providing a highly efficient heat source, the appliance has the look and charm of a 'real' stove coupled with the convenience of clean burning gas.

The stove is designed to run off Natural or LPG gas. It is important to note that once a type of gas has been specified the stove cannot run off any other type. The type of gas that your stove is capable of burning is stated on the data information panel under the stove.

The appliance is a "Balanced flue gas stove", which is a term used to describe a sealed combustion system in which the inlet air and exhaust gases enter and exit through two separate concentric passageways within the same sealed vent system.

The Balanced flue system allows the gas appliance to be vented directly to the outside atmosphere through a suitable outside wall, unlike conventional venting systems that take the inlet air from the room and vent the exhaust vertically through the roof to the atmosphere.

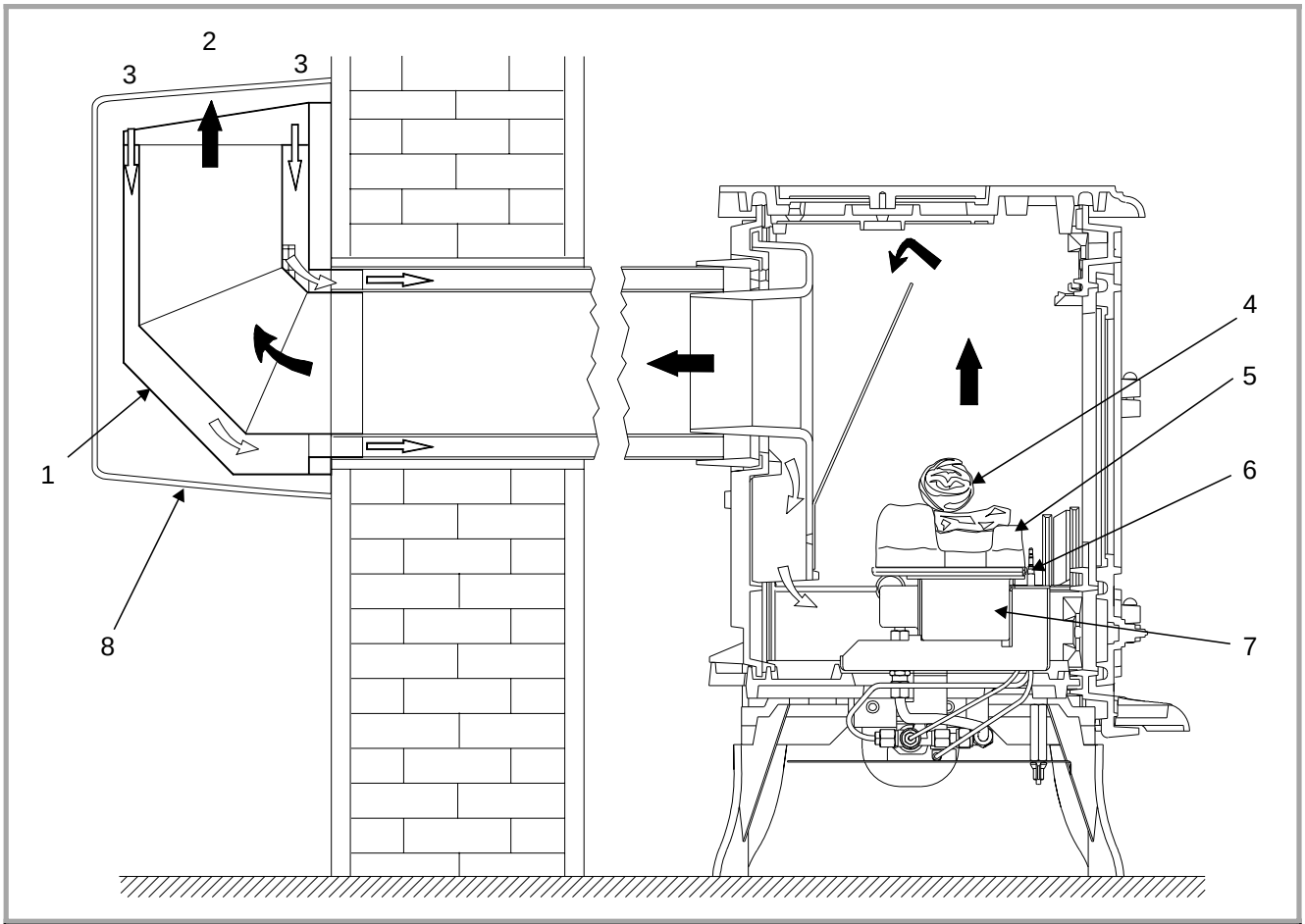

Figure 2 - Description

1 : Balenced flue
2 : Flue outlet
3 : Air inlet
4 : Ceramic coals
5 : Coals support
6 : Pilot
7 : Burner
8 : Protective grate

2. Installation instructions

This balanced flue gas stove is designed to run on either natural gas or LPG. The burner unit is not interchangeable between gas types.

The stove is a radiant convector fuel effect stove with a balanced flue system. The Belfort can be placed directly inside any fireplace opening of the dimensions noted within the installation instructions, providing it is on a suitable outside wall.

These instructions have been compiled in accordance with EN 613 1995.

It is required by law that any appliance using natural or LPG gas is installed by a competent person (e.g. CORGI registered), in conjunction with these instructions and the requirements as laid down in the following Regulations and British Standards :

- The Gas safety (Installation and Use) Regulations 1994 amended 1996.
- The Building Regulations (issued by the department of the Environment).
- The Building Standards (Scotland) (Consolidation) Regulations.

APPLIANCE TO BE INSTALLED IN ACCORDANCE TO NATIONAL & LOCAL REGULATIONS.

Ensure that the stove corresponds to the type of gas with which it is to be used. This can be confirmed by checking the data badge located underneath the appliance.

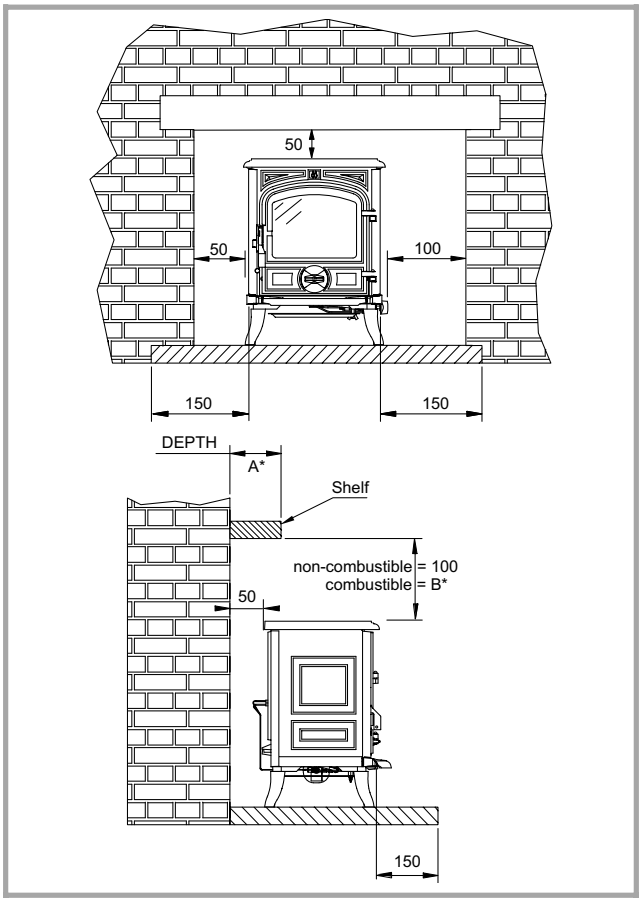

Figure 3

Minimum clearances to non-combustible materials, hearth and shelf (in mm)

All surfaces except the control knob are considered to be working surfaces.

2.1. Siting the appliance

The appliance must be sited next to an adjacent exterior wall.

The gas supply connection to the appliance is at the rear right hand side. The connection requires 8 mm diameter semi-rigid pipe, not more than 1 metre in length.

2.1.1. Clearance requirements

If the appliance has to be located in an opening, there must be a clearance of at least 50 mm at the left hand of the appliance, 50 mm at the back of the appliance and 50 mm above from any non-combustible materials (as shown in figure 3).

This distance must be extended to a mininum clearance of 80 mm from any combustible materials.

There should ideally be a minimum gap of 150 mm at the right hand side of the stove (this will ensure the best possible access to the control knob). This measurement may be reduced to a minimum gap of 100 mm if needed however extra care should be taken when operating the control knob when the appliance is hot.

A combustible shelf may be fitted over the appliance, provided that in the case of a 150 mm or less deep shelf, there is at least 250 mm clearance above the top of the stove. The shelf depth may increase at the same rate as the increase in clearance ; i.e. a shelf depth of 200 mm would require a clearance of 300 mm.

A	B
100	250
150	250
200	300
250	350
300	400

2.1.2. Hearth

The stove must stand on a fireproof hearth.

To comply with the Building Regulations issued by the Department of the Environment, the following points should be noted when choosing a hearth :

a - The hearth must be made of non-combustible material of thickness 12 mm minimum.

b - The hearth must protrude at least 150 mm in front of the stove and 150 mm each side.

c - The hearth must not be capable of inadvertent covering by a carpet or rug. This should be achieved by either :

- the hearth being 50 mm above the level of the room floor.
- a fender or kerb around the edge of the hearth to a height of at least 50 mm above the floor.

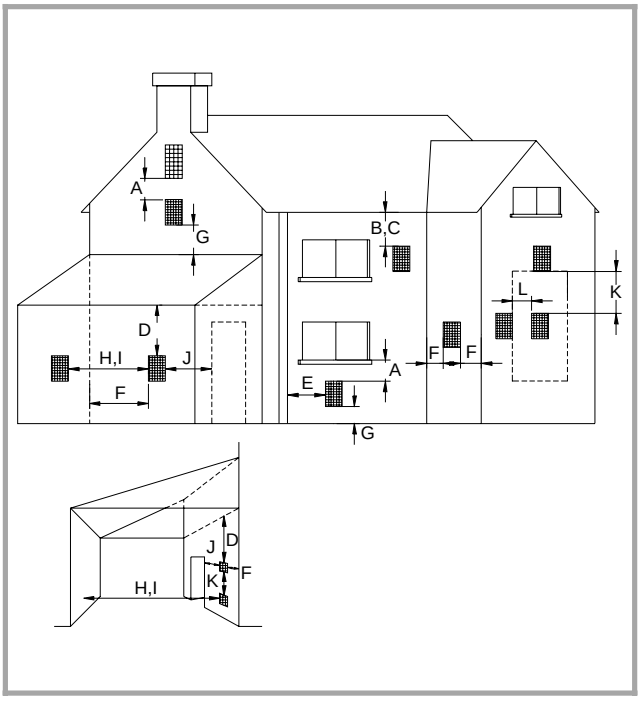

Figure 4 - Balanced flue terminal locations

Dimension	Terminal Position	Minimum Distance (mm)
A	Directly below an openable window or other opening e.g. air brick	300
B	Below gutters, soil pipes or drain pipes	300
C	Below eaves	300
D	Below balconies or car port roofs	600
E	From vertical drain pipes and soil pipes	75
F	From internal or external corners	600
G	Above ground, roof or balcony level	300
H	From a surface facing a terminal	600
I	From a terminal discharging towards another terminal	600
J	From an opening in a car port (e.g. door, window) into a dwelling	1200
K	Vertically from a terminal on the same wall	1500
L	Horizontally from a terminal on the same wall	300

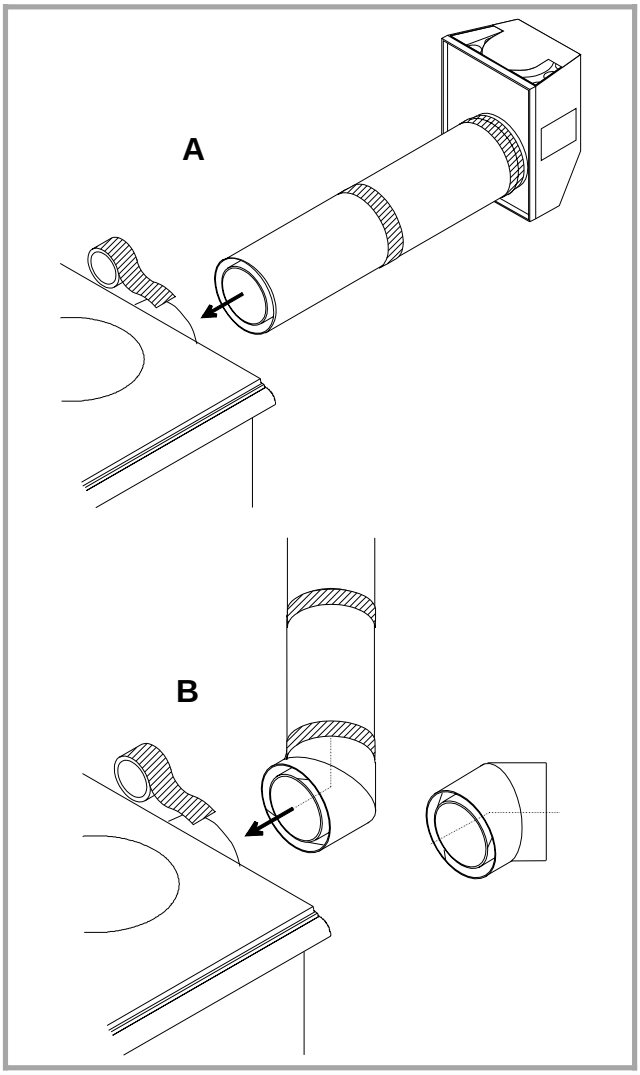

Figure 5

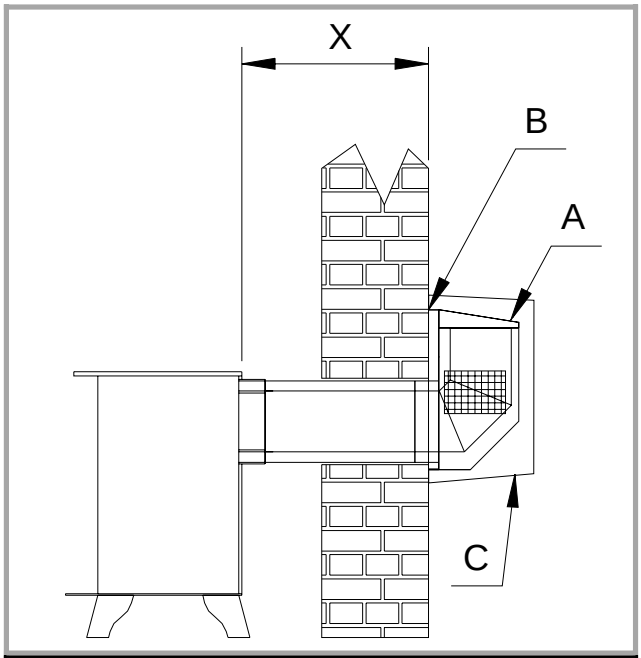

Figure 6 - Flue connection

A : Vent Terminal (stainless steel)

B : Weatherproof joint

X = Straight ajustable between 450 and 790 mm (stainless steel)

2.2. Flue connection

The Belfort balanced flue is approved to be vented to outside through an adjacent exterior wall. The venting system must comprise of the specified venting components listed below.

To join the flue sections adopt the following. The crimped section of the flue should always face outward.

The flue components listed in the above table must be assembled as shown in the diagram (fig. 6).

When the stove is sited in a corner, the optional balanced flue elbow 135° must be fitted on the stove flue outlet (B, fig. 5).

2.2.1. Sealing the flue joints

The flue joints must be weather sealed to prevent moisture entering the flue system. It is recommended that the flue joints be sealed with a high temperature tape, such as aluminium tape (fig. 5).

2.2.2. Vent terminal

The vent terminal must be located in accordance with BS5440 : Part 1:1990 for natural draught balanced flues. This standard is summarised in diagram (fig. 4).

Timber framed buildings : When installing the flue in properties of timber framed construction, the regulations (BS 5440 : Part 1:1990) must be adhered to.

2.2.3. Post installation checks

Before leaving the appliance connected to the gas supply, the installer is required to visually examine the appliance and flueway to ensure that :

- The seal between the combustion chamber and the room is intact and in good condition.
- The flue has been correctly sealed using the sealing tape as recommended (rep. 23, p. 13).
- There are no debris contained within the flue assembly.
- The joint between the terminal and the wall is weatherproof.
- All pipe work must be purged.

2.3. Ventilation (G.B. Only)

This balanced flue gas stove has no requirement for additional ventilation in the room (in accordance with BS 5871 part II).

2.4. Connecting the gas supply

Ensure that the gas supply pipework is capable of delivering the required volume of gas in accordance with the relevant British Standards.

Do not make any connections to the appliance until the pipe work has been purged to expel any dust or debris. Failure to do this may result in a blockage in the system that will invalidate the guarantee.

Final connection should be made using 8 mm semi rigid pipe no more than a metre in length from either ; left or right utilising the 8 mm elbow supplied.

The gas supply to the stove should terminate with a standard type safety/restrictor tap.

A gas soundness test must be carried out before operating the stove.

The 8 mm diameter semi rigid gas inlet pipe should be connected to the inlet of the gas valve using the nut and 8 mm olive supplied. Support the control whilst finally tightening the supply pipe. The gas supply to the fire should be terminated near the fireplace with a safety type service tap.

2.5. Pressure testing

The gas pressure to the stove must be measured at the burner test nipple.

- For Propane this is **35.5** mbar measured with the appliance in the full rate position.
- For Natural gas this is **18,5** mbar measured with the appliance in the full rate position.

The pressures measured at this point must be equal to the Burner Pressure as shown in the table on page 3. A tolerance of +/- 0.5 mbar is allowable.

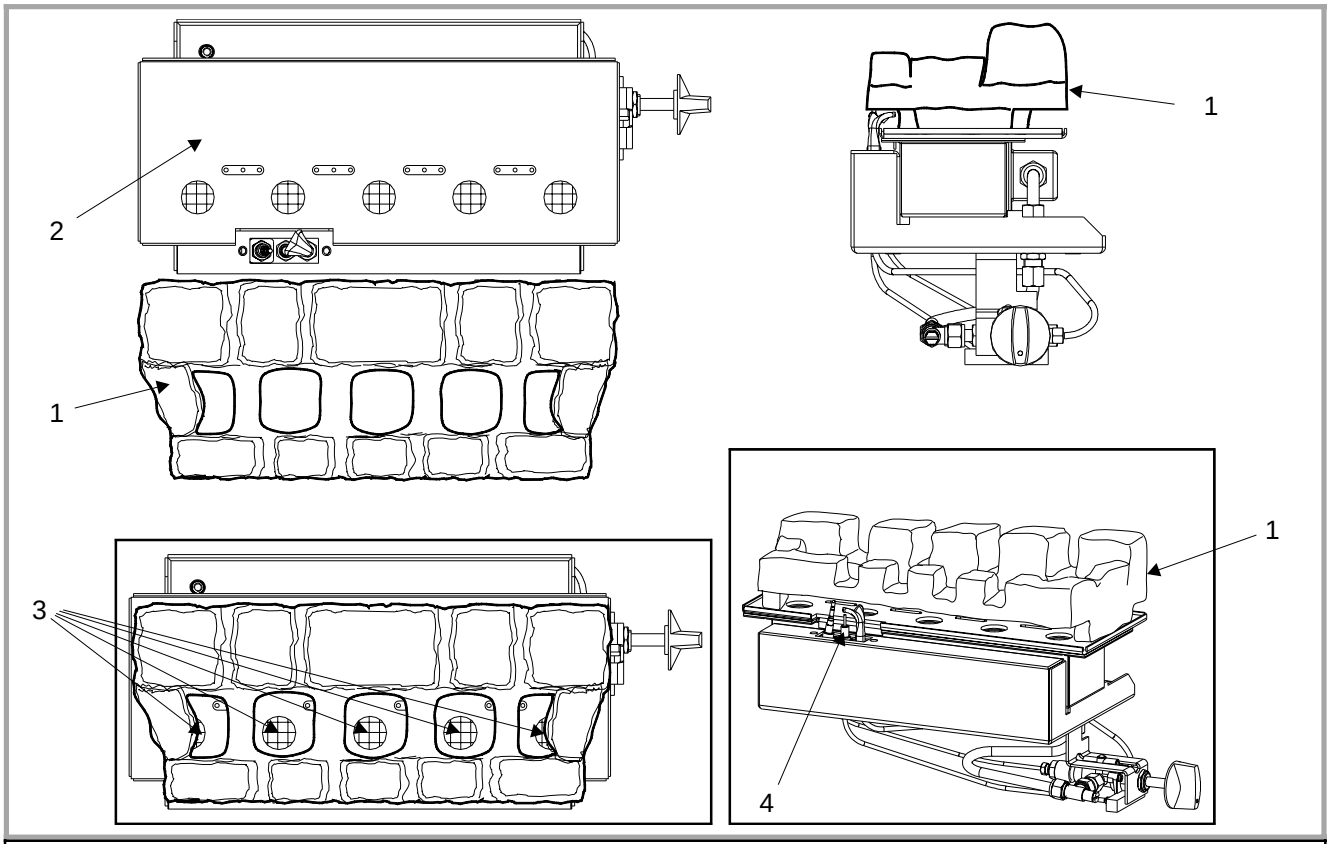

Figure 7 - Fitting the ceramic matrix

1 - Ceramic mat (coals support)
2 - Burner
3 - Burner holes
4 - Pilot

2.6. Coals layout

Only the ceramic coals supplied with this appliance are to be used. The coals should only be laid as shown on the following pages. Replacement coals and ceramics are available from your dealer, but should be installed by a competent person (e.g. Corgi registered).

Please ensure that when fitting the matrix and coals, that you **do not obstruct the pilot**.

FRANCO BELGE accept no responsibility for any injury sustained whilst handling hot ceramics.

Instructions for the layout of the prefixed ceramic matrix and loose coals for Belfort balanced flue.

Parts : 1 Ceramic mat, 9 Ceramic coals.

Figure 7

- Place the ceramic matrix (rep. 1) above the ceramic mat, on the supports, onto the top of the burner body.

Figure 8

Place 4 coals on top of the matrix (**A**) as shown in (**B**).

Place the remaining 5 coals as shown in (**C**).

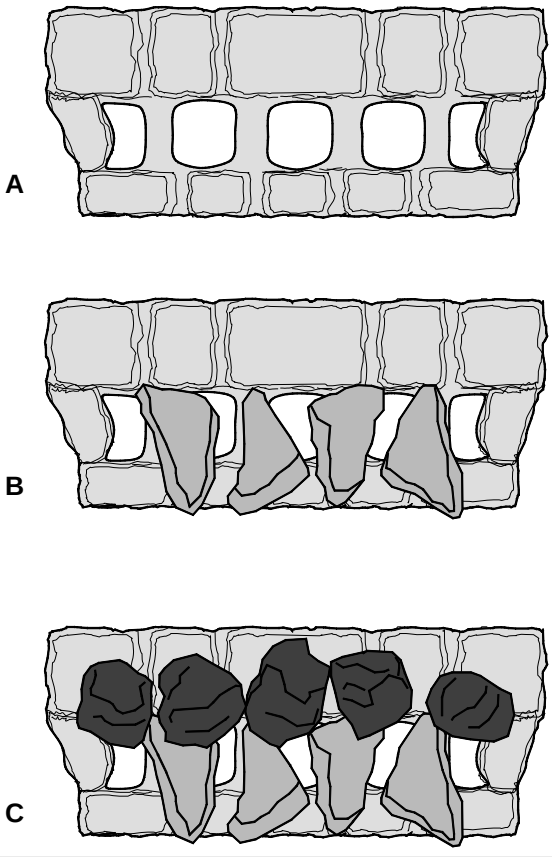

Figure 8 - Coals layout

2.7. Service section

2.7.1. Troubleshooting chart

The gas pilot will not ignite or stay lit ? :

- *Ensure the gas is turned on at the appliance and the meter/cylinder.*
- *Hold in the pilot gas button for at least twenty seconds once the pilot is alight to ensure the operation of the safety thermocouple valve.*
- *Ensure that the pilot injector is not obstructed or blocked and it is free from any dust or dirt.*
- *Ensure that the thermocouple has not been damaged in transit. This is a very delicate electro-magnetic device.*
- *On propane, the cylinder could be empty.*

The pilot is not burning or performing correctly ? :

- *Ensure the pilot flame is the correct size for the type of gas. The flame should be focused on the thermocouple probe.*
- *The pilot flame will have been set correctly in the factory.*

The Main Burner does not seem to be burning correctly ? :

- *Ensure adequate gas pressure to the appliance. The pressure can be checked by unscrewing the pressure test nipple and applying a suitable pressure gauge (i.e. a manometer). Ensure adequate volume of gas is being used. Once the fire is burning on maximum, turn off all other gas appliances in the house and calculate the fuel being burned from the gas meter.*
- *Make sure that the burner is burning correctly. The flame should be fairly even across the top of the burner before any coals are placed on top*

Piezo-electric igniter : The spark between the electrode and the head of the pilot light is not clean; there is no spark when the lighter is operated.

- Check the contact of the high tension cable of the spark plug. When the end of the cable is held at about 3 mm from the end of the spark plug, a spark should be produced when the piezo-elertric igniter is operated.
- Check that the insulation of the spark plug is not cracked, and replace the spark plug if necessary.

The thermocouple : When the unit is started up, the pilot light flame goes out when the handle is turned from the “ignite” position to the “pilot light” position.

- *The thermocouple is not at a high enough temperature, the pilot light flame is too short.*
- Check that the injector (rep. 12, fig. 11, p. 13) is not partially blocked.

To gain access to the injector, the coals and the burner must first be dismounted (3 screws).

- *Bad contact at the connection of the thermocouple to the valve.*
- Check the tightness of the screw. It should be reasonably tight.

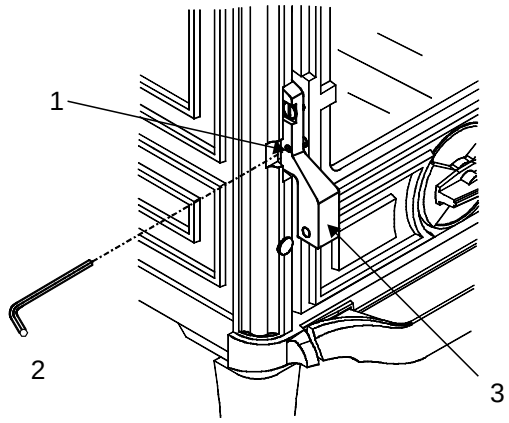

Figure 9 - Door lock

1 : Safety screw **3** : Lock

2 : 6 mm male spanner

- *Carbon deposit on the end of the thermocouple, which reduces temperature transmission.*
- Clean the end of the thermocouple with emery paper.

2.7.2. Servicing instructions

These instructions are to be used in conjunction with the normal servicing practices that an installer would normally use.

- Open the stove door by removing the safety screw (rep. 1, fig. 9).
- Remove the coals carefully and replace any that are damaged or broken.
- Clean any deposition of lint off the burner. This can be done with a soft brush.
- Inspect the burner unit and replace the Ceramic Mat.
- Relay the fire in line with the instructions “Coals layout”.
- There should be no need to service the burner. If however this is required, a CORGI registered fitter should check the setting pressure at the nozzle on the gas inlet of the burner. The correct pressure required is stated on the data information plate.

Please explain to the customer the lighting and extinguishing procedures.

3. User instructions

WARNING : The combustion chamber of this stove should only be opened and serviced by a qualified engineer (eg CORGI REGISTERED)
It is very important to read these instructions thoroughly before lighting the stove.

3.1. Important Notes

- Ensure that the stove corresponds to the type of gas it is to be used with. This can be confirmed by checking the data badge located under the appliance.
- Remember at all times this product is concerned with high temperatures, and appropriate care should always be taken.

Fireguard warning

The window and frame on this appliance acts as a fireguard conforming to BS : 1945 - 1971 and satisfies the heating appliance (fireguards) regulations 1991.
No part of the window or frame should be permanently removed.
It does not give full protection for young children or the infirm.

- Bear in mind that heat given off by the appliance may affect articles placed close to it. Curtains should not be positioned above the appliance at a distance less than 12” (30 centimetres) from the top.
- The appliance was not designed to be used as a dryer. It is therefore not recommended that the appliance is used in such a manner.
- Under no circumstances should the appliance be operated with the door open or the door glass damaged.
- A combustible shelf may be fitted over the appliance provided that in the case of a 150 mm or less deep shelf, there is at least 280 mm clearance above the top of the fire (measured from its highest point).
- Please remember that parts of the appliance become hot during and after use. If young children, the elderly, or infirm are likely to be near the stove, ensure a suitable fire guard (BS6539 or BS6778) is erected.
- Whilst the appliance is called a ‘stove’ the Belfort is not designed to be used in any way as a cooker. **The stove should not be used for any other purpose than as a room heater and decorative stove.**
- All surfaces except the control knob are considered to be working surfaces.

3.2. Data information

The data badge is located underneath the appliance.

3.3. Operating the stove

The Belfort balanced flue gas stove operates with a traditional permanent pilot light.

The knob for ignition and power control is located on the right hand side of the stove, under the base plate. **It should be noted that the base plate of the stove may get very hot, so care should be exercised when operating the controls.**

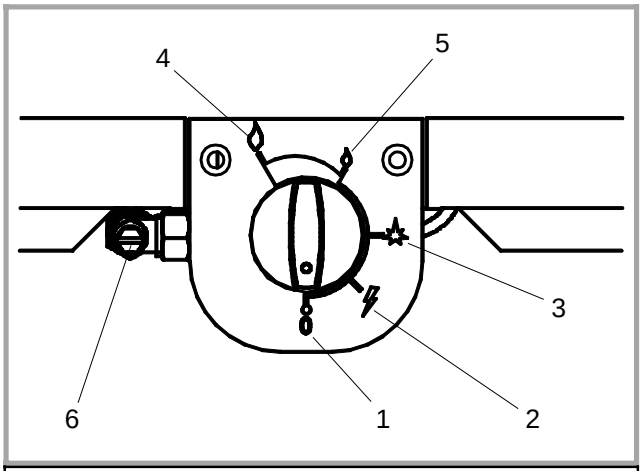

Figure 10 - Control knob and burner test nipple

1 - Stop position
2 - Ignition device
3 - Pilot setting
4 - High setting
5 - Low setting
6 - Burner test nipple

The pilot light is located at the front of the coal matrix.

If the Pilot Light is extinguished (either by intention or not), no attempt should be made to re-light until **3 minutes have elapsed**.

Important :
The stove must always be ignited in the **HIGH** setting (this is when the knob is turned to its extremity in an anti-clockwise direction) and immediately after lighting, the stove must be left on maximum setting for five minutes in order to warm up the flue.

3.3.1. Igniting the permanent pilot light

Figure 10

1 - Depress control knob fully

2 - Whilst depressed, turn knob sharply 90 degrees anticlockwise to ☆ setting (rep. 3, fig. 10). Repeat until pilot light is visibly lit.

3 - Keep knob depressed at this point for 15 - 20 seconds.

4 - Upon releasing the knob, the permanent pilot light will be lit, if not return to (1).

3.3.2. Running the stove at a high output

- Ignite permanent pilot as shown above.
- With control knob at ‘PILOT’ setting, turn in an anti clockwise direction to ‘HIGH’ setting (rep. 4, fig. 10).
- Release the knob. The stove is now burning at its highest operating output.

Important : Immediately after lighting, the stove must be left on maximum setting for five minutes in order to

warm up the flue.

3.3.3. Running the stove at low setting

- With control knob at “HIGH” setting as shown above, turn in a clockwise direction to “LOW” setting (rep. 5).
- Release the knob. The stove is now burning at its lowest operating output.

Output can be set at a variable rate between “LOW” and “HIGH” ; this can be increased by turning the control knob progressively in an anti-clockwise direction, until the desired level is achieved.

3.3.4. Extinguishing the stove back to permanent pilot setting

- From any heat setting, depress control knob fully and turn clockwise to (rep. 3, fig. 10) position.
- Release.

3.3.5. Extinguishing the stove fully

- From any heat setting or the permanent pilot, depress control knob fully and turn clockwise to ‘O’ position.

3.4. Safety mechanisms

The Belfort Balanced flue Gas stove (in both natural gas and LPG), incorporates a number of safety mechanisms.

3.4.1. Flame supervision device

Since 1st January 1996, under the new European standard EN5613, all stoves are required to have a Flame Supervision Device’ (FSD). If the pilot should become accidentally extinguished, there exists a potential for a build up of unburned gas. In this situation the FSD will automatically cut off the gas supply to the pilot and main burner.
The FSD device works on a thermocouple basis. Next to the pilot flame on the appliance is a small sensor containing the thermocouple. This sensor responds to heat and is linked directly to the gas inlet supply on the appliance. When lighting the stove, there is a need to keep the control knob depressed for about 15 - 20 seconds. This allows the thermocouple to reach its operating temperature. The device will not allow any gas to enter the burner until the pilot flame has heated the sensor up to this operating temperature.

If the pilot is extinguished the gas supply will be automatically cut.

3.4.2. Ignition mechanism

Many gas stoves have electric ignition which requires mains (240V) supply. This can create problems both with the presence of water or absence of mains supply. The Belfort has a Piezo ignition which requires no external power source. The piezo works on the same principle as a cigarette lighter, providing a spark when required.

3.5. Cleaning

Ensure that the stove is turned off before cleaning and do not attempt to clean if the unit is still hot.

The coals within the appliance are manufactured from high quality ceramic fibre and should only **be arranged as shown in the coal layout diagram**.

After continued use there may be a build up of soot on the coals which will require removal. Any form of deposits will reduce the performance of the appliance and should be removed using a soft brush by a qualified engineer.

Care should also be taken to ensure deposits do not enter the vent terminal. If this does occur then cleaning should be undertaken promptly, and the cause investigated before further use.

The Belfort Stove is supplied with ceramic coals, which are to be arranged by the fitter in strict accordance with the installation instructions. There should be no need for the purchaser to alter the layout of the coals and it is recommended that such a practice should be avoided if at all possible.

Should however any coals become broken during the cleaning process it is essential that replacements are purchased and installed by a qualified person (eg Corgi registered), as there is an optimum number of coals for a satisfactory functioning of the stove and the flame picture.

Should any cleaning of the combustion chamber be necessary, this should be done by a qualified person (eg Corgi registered). **The door should be shut correctly before use of the appliance.**

3.6. Servicing

It is essential that the appliance is regularly serviced and maintained by a qualified person, the flue system checked annually.

If the appliance is heavily used it is advisable to undertake more regular servicing, however under normal circumstances annual servicing should be sufficient.

4. Spare parts

When ordering spare parts, specify the stove type and serial number, including the colour index, the name of the part and the part number, including the colour index.

Example :
"Belfort" stove, Ref.: **154 05 06 Y**, top **352136 EF**.

*** Colour index**

A : 154 05 06Y = *EF
B : 154 05 07Y = *EF
C : 154 05 06J = *79
D : 154 05 06K = *79
E : 154 05 06C = *MJ
F : 154 05 07J = *MJ
G : 154 05 07K = *MK
H : 154 05 07C = *MK

N°	Code		Description	Type	A	B	C	D	E	F	G	H	Qty
1	100917		Cam pin	12x20 M7	A	B	C	D	E	F	G	H	01
2	105709		Biconical coupling	Ø 4	A	B	C	D	E	F	G	H	01
3	110404		Hinge pin	6x30	A	B	C	D	E	F	G	H	02
4	113105		Male spanner		A	B	C	D	E	F	G	H	01
5	122204		Winged nut	diam. 8	A	B	C	D	E	F	G	H	01
6	122426		Nut		A	B	C	D	E	F	G	H	01
7	122427		Nut		A	B	C	D	E	F	G	H	01
8	122701		Nut		A	B	C	D	E	F	G	H	01
9	124373		Electrode		A	B	C	D	E	F	G	H	01
10	124412		Strut		A	B	C	D	E	F	G	H	01
11	134258		Bushing		A	B	C	D	E	F	G	H	01
12	139596		Injector LPG	18/120		B				F	G	H	01
12	139597		Injector NG	18/280	A		C	D	E				01
13	139615		Injector LPG			B				F	G	H	01
13	139610		Injector NG		A		C	D	E				01
14	142301		Adhesive rope		A	B	C	D	E	F	G	H	0,87 m
15	142429		Gasket		A	B	C	D	E	F	G	H	01
16	142437		Gasket		A	B	C	D	E	F	G	H	01
18	159014		Test nipple		A	B	C	D	E	F	G	H	01
19	162569		Descriptive plate		A		C	D	E				01
19	162570		Descriptive plate			B				F	G	H	01
20	164329		Biconical coupling	diam. 4	A	B	C	D	E	F	G	H	01
21	166745		Gas valve + piezo		A	B	C	D	E	F	G	H	01
22	179225		Thermocouple		A	B	C	D	E	F	G	H	01
23	181614		Ceramic rope	d. 9,5	A	B	C	D	E	F	G	H	1,92 m
24	181615		Ceramic rope	d. 12	A	B	C	D	E	F	G	H	1,85 m
25	142316		Gasket	7x3	A	B	C	D	E	F	G	H	1,19 m
26	187114		Double coupling	diam. 8	A	B	C	D	E	F	G	H	01
27	188318		Pilot		A	B	C	D	E	F	G	H	01
28	188798		Glass	267x205	A	B	C	D	E	F	G	H	01
29	189825		Screw	M5x6	A	B	C	D	E	F	G	H	01
30	189849		Screw	M6x16	A	B	C	D	E	F	G	H	01
31	236007		Control plate		A	B	C	D	E	F	G	H	01
32	259015		Fixing plate		A	B	C	D	E	F	G	H	04
33	269426		Deflector		A	B	C	D	E	F	G	H	01
34	276006		Plate		A	B	C	D	E	F	G	H	01
35	300118	MJ	Leg					D			G		04
35	300118	MK	Leg						E			H	04
35	300118	EF	Leg		A								04
35	300118	79	Leg			B	C			F			04
36	300484		Base		A	B	C	D	E	F	G	H	01
37	301541	MJ	Door lock					D			G		01
37	301541	MK	Door lock						E			H	01
37	301541	EF	Door lock		A	B							01
37	301541	79	Door lock				C			F			01
38	303718	MJ	Blanking plate					D			G		01
38	303718	MK	Blanking plate						E			H	01
38	303718	EF	Blanking plate		A	B							01
38	303718	79	Blanking plate				C			F			01
39	303871	EF	Flue collar		A	B	C	D	E	F	G	H	01
40	306268	EF	Back wall		A	B	C	D	E	F	G	H	01
41	307437	EF	Fuel retainer		A	B	C	D	E	F	G	H	01
42	309886	MJ	Front plate					D			G		01
42	309886	MK	Front plate						E			H	01
42	309886	EF	Front plate		A	B							01
42	309886	79	Front plate				C			F			01
43	309997	MJ	Main door					D			G		01
43	309997	MK	Main door						E			H	01
43	309997	EF	Main door		A	B							01
43	309997	79	Main door				C			F			01
44	310725	MJ	R. side panel					D			G		01
44	310725	MK	R. side panel						E			H	01
44	310725	EF	R. side panel		A	B							01
44	310725	79	R. side panel				C			F			01
45	310823	MJ	L. side panel					D			G		01
45	310823	MK	L. side panel						E			H	01

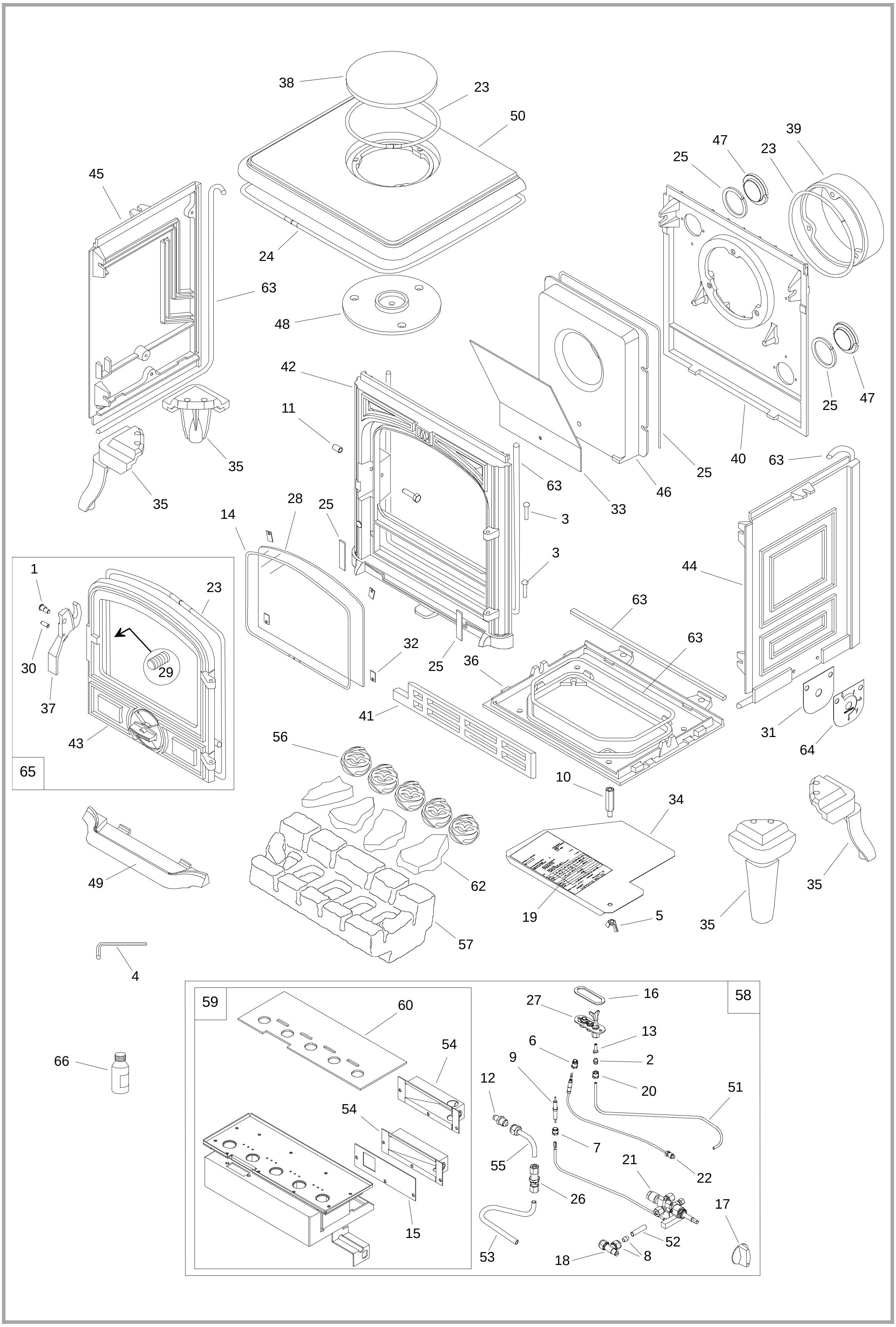
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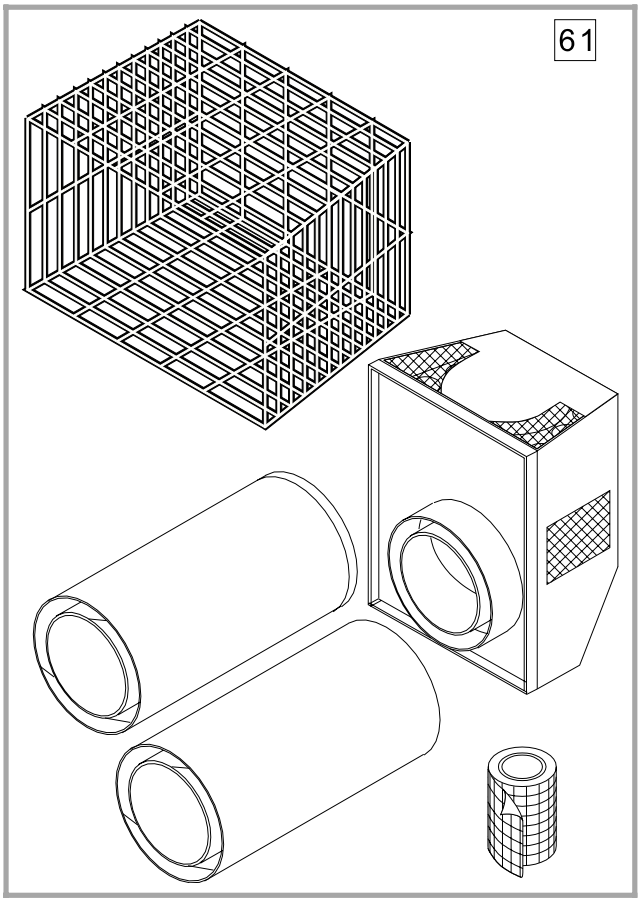
Figure 11

45	310823	EF	L. side panel		A	B									01
45	310823	79	L. side panel				C					F			01
46	315608		Air duct		A	B	C	D	E	F	G	H			01
47	325304	EF	Reducing plate		A	B	C	D	E	F	G	H			02
48	327801		Clamp		A	B	C	D	E	F	G	H			01
49	327902	MJ	Tray					D			G				01
49	327902	MK	Tray						E			H			01
49	327902	EF	Tray		A	B									01
49	327902	79	Tray				C			F					01
50	352136	MJ	Top plate					D			G				01
50	352136	MK	Top plate						E			H			01
50	352136	EF	Top plate		A	B									01
50	352136	79	Top plate				C			F					01
51	465015		Pilot line		A	B	C	D	E	F	G	H			01
52	467527		Test line		A	B	C	D	E	F	G	H			01
53	467529		Pipe		A	B	C	D	E	F	G	H			01
54	974600	60	Injector support NG		A		C	D	E						01
54	974601	60	Injector support LPG			B				F	G	H			01
55	982634		Pipe		A	B	C	D	E	F	G	H			01
56	109723		Ceramic coals	(LF 5)	A	B	C	D	E	F	G	H			05
57	174651		Coal support		A	B	C	D	E	F	G	H			01
58	905917		Complete burner NG		A		C	D	E						01
58	905919		Complete burner LPG			B				F	G	H			01
59	905916		Burner NG		A		C	D	E						01
59	905918		Burner LPG			B				F	G	H			01
60	142436		Gasket		A	B	C	D	E	F	G	H			01
61	178067		Vent terminal		A	B	C	D	E	F	G	H			01
62	109724		Ceramic coals	(LF 13)	A	B	C	D	E	F	G	H			04
63	181606		Ceramic rope	10 x 4	A	B	C	D	E	F	G	H			3,67 m
64	158230		Control plate		A	B	C	D	E	F	G	H			01
65	988861		Complete door		A	B									01
65	988862		Complete door				C			F					01
65	988863		Complete door					D			G				01
65	988864		Complete door						E			H			01
66	161027		Touch-up paint				C			F					01
66	161026		Touch-up paint					D			G				01
66	161032		Touch-up paint						E			H			01



Notes

FRANCO BELGE

❧ *Warranty certificate* ❧

❧ ***Legal warranty***

Our products are guaranteed for twelve months against any defect, flaw or imperfection. During this time, all parts judged defective by our Warranty control department may be replaced in our workshops. Incidental costs of transportation and packing payable by the buyer.
Some parts or components have a longer warranty period :
- Cast-iron shell of boiler : 3 years
- Steel shell of boiler : 3 years
- Removable or independent stainless steel hot water cylinder : 5 years
- Independent enamelled steel hot water cylinder : 3 years
- Incorporated circulating pump : 2 years.

❧ ***Terms of the warranty***

This warranty is only valid if :
- The unit has been installed and checked by a professional installer before operating,
- All installation and adjustment instructions listed in the technical manual supplied with the unit have been followed,
- All operation and maintenance instructions have been followed.

❧ ***This warranty does not cover :***

- Lamps, fuses, spark plugs, cast iron parts directly in contact with burning coal and wood, firebricks, flue baffles, glasses .
- Any damage resulting from the use of fuel not recommended in our instructions ;
- Parts which are damaged by external causes such as unadapted chimneys, thunderstorms, damp, faulty pressure or fail in pressure, thermic anomalies, explosions, etc...
- Electrical parts which are deteriorated by any connection or use on a supply circuit with voltage within 10% of the indicted voltage (230 V in EU).

Material subject to modifications without prior notice. This manual does not engage the responsibility of FRANCO BELGE.

✉ Name and address of the installer : _

_ _

☎ Telephone : _

✉ Name and address of the customer : _

_ _

Date of installation : __ __ / __ __ /__ __ __ __

Model of the appliance : ❑ **154 05 06** ❑ **154 05 07**

Color : ❑ **Y** ❑ **J** ❑ **K** ❑ **C**

Serial number : ___ ___ ___ ___ ___ ___

• This certificate has to be completed and kept carefully.

In case of claims, send a copy of this to :

Les Fonderies Franco-Belges, rue Orphée Variscotte, 59660 MERVILLE, FRANCE.