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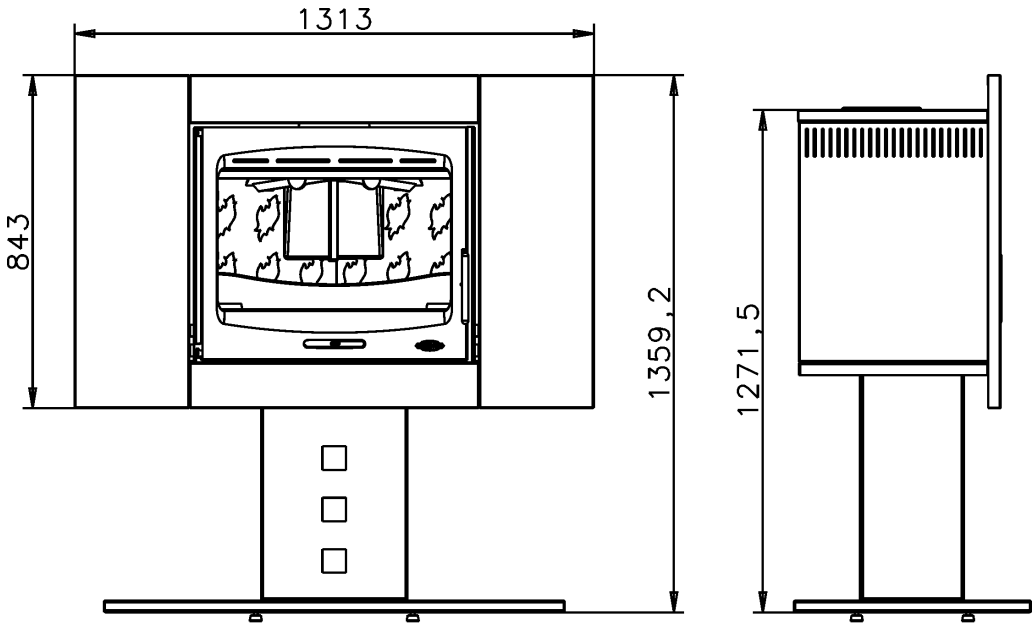
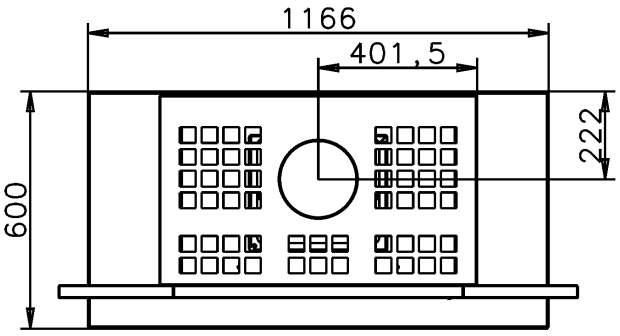
Circular N°4289 – 07

Documents for users and fitters

WOOD STOVE
LE VULCANIA PRODUCT CODE 368106





This appliance has been tested according to the criteria of the European standards NF EN 13240 : 2001 and A2 : 2005.

TECHNICAL SPECIFICATIONS

Flue collar diameter	180 mm int / 200 mm ext
Smoke exit on the top	
Recommended fuel	Wooden logs
Forbidden fuel	All others
Front loading, log length up to	65 cm
Big glass with panoramic view (resistant to 750°C)	
Cast-iron firebox	
Speed regulation	Manual
Weight	224 Kg
Power	10,5 kW
Corrected heated volume	180 to 420 m^3
Functioning time at normal speed mode*	1 hour
Functioning time at slow speed mode*	3 hours
Loading frequency at the nominal heating capacity	
Smoke mass flow	9,51 g/s
Appliance efficiency	70,3 %
CO rate in smoke with 13% of 0_2	0,41 %
Consumption at the normal speed	3,6 Kg/h
Average temperature of smoke	383 °C
Minimal distance to adjacent combustible material	40 cm / back 40 cm / lateral sides 150 / front
INTERMITTENT APPLIANCE	

* For a load of wood weighing 3,6 kg with a moisture content of 12 % and a heating value of 15,7 MJ/kg.

INSTRUCTIONS FOR FITTER

- Always respect all the regulations in force in the country where the appliance is installed. In France, the evacuation system for combustion products should be carried out according to the DTU 24.1 from February 2006.
- First of all, check the quality of the flue lining. Its role is crucial. It will influence the final result, supplying the firebox with primary air and extracting combustion gases.

Most of the problems you may encounter while using a chimney are linked to a defect of the flue lining. So, it is a very important element that must be carefully studied. You should not entirely rely on the functioning mode of your previous appliance, as its needs in fresh air supply may be different.

- A good chimney should be made of a material that is not a good heat conductor and that does not cool quickly.
- The minimal cross-section of the flue lining, while functioning with the door closed, should be 150 mm subject to the conformity with the EN 13384.1 standard. If it is possible, we advise using a flue lining whose cross-section is less than 180 mm.
- Any decrease of the section, even at the outlet, should not be accepted because it may reduce the smoke rate, causing a back draft in the room when the door is open.
- The chimney opening should be in the same room as the appliance.
- Draft valves are forbidden.
- The flue lining should be perfectly airtight.
- The connection duct and the smoke duct or tubing should be G assigned; it means they should be resistant to the chimney fire. The appliances should be connected to ducts that are made for a temperature 50 °C more than the temperature of the appliance, independently from the connection mode.
- Its height should be at least 5 m and it should go out to the open air at least 0.40 m from the ridge of the roof or any other obstacle situated at less than 8 m from the flue lining.
- Possible by-passes should be covered.
- Draft should be between 12 and 15 Pascals in normal use and it should decrease to about 5 Pascals in the slow mode. It should never drop below 12 Pascals in normal use, as this would mean it is inefficient.

If the depression is excessive, a draft moderator should be installed. If the depression is not sufficient, you should refer to the flue lining specifications described in this paragraph.

- If the cross-section of the flue lining is too big, the volume to be reheated will be too much and the draft will not function normally. In this case, a tubing made of wood/coal compatible material should be installed.

Tubing should follow the regulations of the DTU 24.1.. Its dimensions should correspond to precise calculations (EN 13384.1 standard) that only a professional fitter can define.

- Remove all the collecting tubes whose outlet sections are below 2.5 dm^2.
- We recommend placing an airtight cleanout door about 50 cm below the smoke tube axe.
- Before connecting, check that the flue lining is perfectly clean. Sweep it if necessary.
- Appliances should be installed in accordance with the current specifications of the technical documentation (D.T.U.). We recommend having the appliance installed by a professional fitter. All the national and local regulations should be observed.
- Extractors that are in operation in the same room or in the same space as the appliance may seriously disturb the functioning of the appliance.
- Simultaneous functioning of other appliances in the same space as the appliance can disturb the draft functioning.

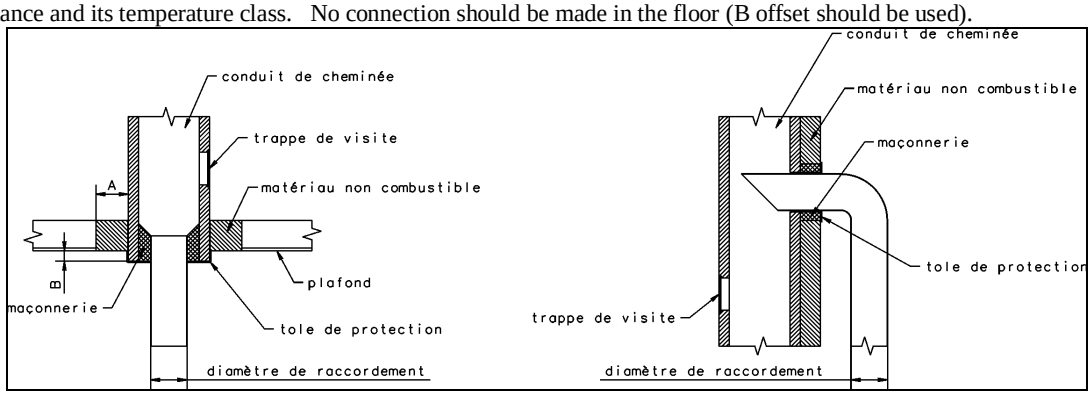
- Air inlets in the room should never be clogged. They should be positioned in a way to prevent their clogging. The appliance uses air from the room of its location, that is why it is necessary to ensure a sufficient supply by outside air.
- These appliances cannot be connected to a multiple flue lining.
- The flue collar is mounted at the factory and fixed at the back of the appliance (if the back connection is possible). You may connect it directly to the flue by means of a horizontal tube. It can be also connected on the top, in this case it will be necessary to change the position of the flue collar and the stopper.

IMPORTANT:

- Check if the floor has a sufficient bearing capacity. If necessary, place a panel for the distribution of loading pressure or take any adequate and necessary steps.
- **If the floor is made of combustible material, it is recommended to protect it by means of an insulated panel made from non-combustible material and standing out at least 40 cm in front of the chimney.**
- Use tubes of recommended diameters and enamelled if possible, as their resistance to corrosion in the smoke is remarkably good.They should be as short as possible so that the heat contained in the smoke can be used to initiate draft.
- **The wall behind the chimney should not contain any combustible material.** If it does, you should protect it adequately (using material classified as Mo or A2-s1,do). The security distance between the combustible material and the back of the appliance should be at least **40** cm.
- If the walls situated on the both sides of the appliance are made of combustible material, the distance between these walls and the appliance should be at least **40** cm.
- In case of a traditional stove, the ceiling should be located at least 80 cm from the top of the appliance.
- The appliance irradiates naturally, so it is recommended to keep any combustible material (wooden chairs, sofas,…) in front of the appliance at least at **150** cm distance.

CONNECTION TO THE FLUE LINING

The appliance should be connected in accordance with the DTU 24.1. The security distances between the outside of the connection duct and the flue lining and any combustible material (A) should observe the specifications of this standard. They depend mostly on the type of the duct, its temperature resistance and its temperature class. No connection should be made in the floor (B offset should be used).



French	English
Conduit de cheminée	Flue lining
Trappe de visite	Cleanout door
Matériau non combustible	Non-combustible material
Plafond	Ceiling
Tôle de protection	Protection sheet
Diamètre de raccordement	Connection diameter
Maçonnerie	Masonry

Example of a flue lining connection

INSTRUCTIONS FOR USERS

- Before using the appliance, read the instructions and recommendations carefully.
- The appliance should be installed in accordance with national regulations in force in the country where it is installed.
- We recommend having the appliance installed by a professional fitter.
- Air inlets should never be clogged.
- The appliance should be connected to a flue lining that is not used for any other appliance. It cannot function as a multiple flue lining.
- Never modify the appliance without prior authorisation.
- The appliance should not be used with the door open.
- All the surfaces of the appliance are active (hot), take all the precautions to avoid burning.
- Take all the necessary precautions to keep children and elderly people sufficiently far from the appliance to avoid accidents.

LIGHTING - ADJUSTING

- Open the door.
- Prepare with usual lighting material, light up the fire and load small amount of wood, leaving the air inlet fully opened.
- To facilitate lighting, it is possible to leave the door ajar for a few minutes; in this case it should be under a constant supervision.
- When the fire is on, load some more wood and adjust the combustion by means of an air regulator or a thermostat (situated usually at the back or on the right side of the appliance), if the appliance is equipped with it.

REMARK:
- During the stove functioning, keep away any material that can be altered by the heat: furniture, paper, clothes.

WARNING:
- When in use, the handle of the stove should not be touched with a bare hand. Use a protection glove to touch it. Moreover, the combustion chamber and the ash pit door should be closed to avoid smoke back draft, except during lighting, reloading or ash removal.
- When in use, the stove door should remain closed.
- Loading can be done by the front door or by the side door, if the appliance is equipped with it.
- For normal use, put 3 or 4 logs and adjust the position to 2 or 3.

For a slow mode functioning, wait until the fire is sufficiently established, then load 1 or 2 large logs and adjust the air regulator or the thermostat to the minimum, if the appliance is equipped with one.

NOTE: Duration of the slow mode burning will depend on wood that is used and on the draft. Loaded fuel height should not exceed **25 cm**.

APPLIANCE FUNCTIONING

- Always follow the instructions.
- During first usage, load a small quantity of wood to check good functioning of the appliance. Gradually increase the amount of wood over a few days.
- Do not use the appliance as an incinerator.
- Use only recommended fuel.
- Do not use the appliance if its glass is broken or cracked. Have it replaced before using it again. We recommend contacting the vendor of your appliance for payable replacement of your glass. We recommend replacing at the same time the door and glass seals and not clamping it too much during the re-assembling in order to enable its dilatation.
- After a long period without using the appliance, make sure that the flue lining and the connection duct and smoke duct are not clogged.

Loading: VERY IMPORTANT RECOMMENDATION
Before loading, the fire should be sufficiently low. Do not open the door if high flames can be seen, with the door open they can be backdrafted.
Always open the door very slowly to permit draft and avoid backdraft.

FUEL IMPORTANCE

This appliance should fully satisfy your needs. However, one should not forget that any appliance can only liberate energy that is contained in its fuel.

If you think that your appliance heating capacity is insufficient, we can suggest that:
- Either the quantity of fuel is not sufficient.
- Or the energy contained in fuel is not sufficient.

Use only wood that has been cut for at least 2 years (36 months would be better). We highly recommend using wood that has been labelled NF heating wood.
In the theory, all types of wood have the same heating capacity for the same weight. Hard wood is good for heating as it is dense and very often less damp.
Dampness contained in wood can vary form 15% in dry wood to 50% in damp wood. Bear in mind that a lot of energy is needed to remove this dampness.
Available energy for heating is 4.16 Wh per kilo of dry wood. It is only 1.73 Wh per kilo of damp wood (50% of humidity).

Using damp wood can additionally cause the flue lining condensation, which clogs it quickly and can later on provoke a chimney fire.

ASH REMOVAL

- Empty the ash pit every 2 or 3 days according to your usage. Ash removal should be carried out with precautions, using a protection glove to carry the ash pit and a special tool to open the ash pit.
- Never let ashes collect to such an extent that they come into contact with the grill. The grill will not be able to cool down and will deteriorate very quickly

SWEEPING

- Have your chimney swept mechanically by a professional sweeper at least twice a year, including once during the heating season. The sweeper should give you a certificate. It is also possible to maintain the ducts with special products. However, it does not prevent you from having necessary mechanical sweeping.
- Check the appliance condition and make sure the door seals are in good condition, replace them if necessary.
- Clean completely the inside of the appliance including the smoke flues.
- Clean the glass with GODIN NET product for glass (product code 0009).
- In case of a chimney fire, close the air regulator and call firemen.

MAINTANANCE

Have the appliance checked by a competent person at least once a year.

WARNING

- **AT THE BEGINNING OF USING THE APPLIANCE, IT IS NECESSARY TO MAKE IT RUN IN A MODERATE WAY, TO ENABLE NORMAL DILATATION OF THE PARTS.**
- **HANDLES ARE HOT WHILE IN USE. USE THE GLOVE (if it is supplied).**
- **THE GLOVE SHOULD BE USED ONLY TO TURN THE HANDLE. IT IS NOT MADE FOR HANDLING BURNING OBJECTS. IT IS NOT WATERTIGHT. DO NOT USE IT FOR HANDLING CHEMICAL PRODUCTS.**
- **AFTER EACH USE, YOUR GLOVE SHOULD BE PLACED ON A COLD SURFACE WITHOUT ANY COMBUSTION RESIDUES (ashes).**

Do not worry if at the beginning of using the appliance, smoke and acrid smells are emitted, this is due to paints of different parts. This phenomenon can last a few days.

Maintenance of cast-iron and steel
Any steel or cast-iron stove needs some maintenance after each winter, during the warm season, in order to last a long time. As a matter of fact, when a stove is in use, there is no possibility for its parts to get oxidised. It is only possible during a long period without using it.
Cast-iron parts are to be maintained with a black paste (product code 0012). It should be applied cold, then waxed and, when it is dry, polished with a soft cloth.
Hot temperature spray paint (cast-iron grey, product code 0001) can also be used for neater finish on the outside parts of the stove. Before applying the paint, make sure that all the oxidation marks have been removed with thin grain emery cloth.
Cast-iron stoves with an enamelled outside finish need their inside firebox to be maintained.
This maintenance is necessary even more in case of appliances installed in houses that are infrequently inhabited.
All our maintenance products are described in our general catalogue (paste, paint, glass cleaning product, sweeping products, etc.). You may buy them at our retailers.

Specific warning concerning the stove door :
Our doors are hinged upon cone point screws or lock washers.

PLEASE NOTE: In the event that your fitter removes the stove door (to replace the glass, for example), it is important to fit new lock washers and/or the original cone point screws to the door in question.

SPARE PARTS

If after a number of years of using your appliance, some parts may need to be replaced, contact your SUPPLIER or any other PROFESSIONAL AGENT OF OUR TRADEMARK.
You should give him the information written on your INFORMATION PANEL that is situated AT THE BACK OF THE APPLIANCE or in your GUARANTEE BOND that should be kept even beyond its validity period.
Having all the nomenclature and technical documentation in relation with our products, he will be able to supply quickly any spare part and carry out necessary repairs.
Never use any spare part that is not supplied by GODIN SA.
Never modify the appliance without prior authorisation.

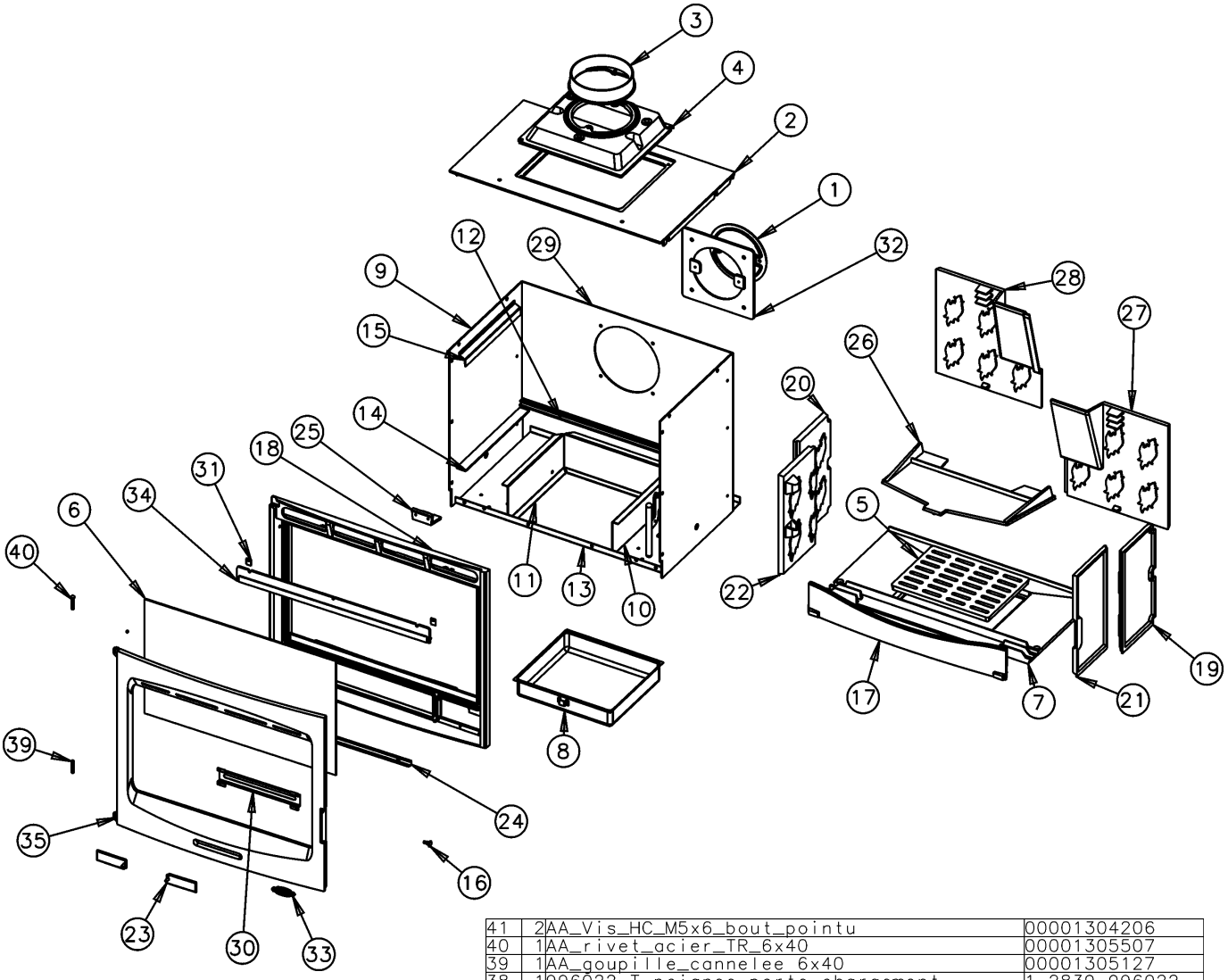
LIABILITY

We remind you that the maker's liability is limited to the product as it is sold, and that fitting out and installation service is under the entire responsibility of the fitter who will have to intervene, according to the rules of good practice and according to the prescription given in the instructions.

In order to constantly improve its products quality, GODIN reserves the right to modify its appliances without prior notice.

NOMENCLATURE AND EXPLODED VIEW

Nomenclature and exploded view of the heat engine



41	2	AA_Vis_HC_M5x6_bout_pointu	00001304206
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39	1	AA_goupille_cannelee_6x40	00001305127
38	1	996022_T_poignee_porte_chargement	1_2839_996022
37	1	996022_AF_butée_de_facade	1_2010_996022
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35	1	996003_F_porte_chargement	2_2831_996003
34	1	996003_F_conduit_sup_air	1_4173_996003
33	1	6726_F_ecusson	1_8501_6726
32	1	660108_F_siege_buse	14322_660108
31	2	660101_T_fixe_vitre	12071_660101
30	1	368106_T_guide_de_securite	1_368106_4175
29	1	368101_T_derriere_foyer	1_0130_368101
28	1	368101_F_plaque_foyer_ar_gauche	1_0168_368101
27	1	368101_F_plaque_foyer_ar_droite	1_0167_368101
26	1	368101_F_deflecteur	2_0131_368101
25	1	3268_F_support_deflecteur_av	10129_3268
24	1	3258_T_fixe_vitre	12008_3258
23	2	3258_F_volet_reglage_air	3_4137_3158
22	1	3258_F_plaque_foyer_av_gauche	10165_3258
21	1	3258_F_plaque_foyer_av_droite	10166_3258
20	1	3258_F_plaque_foyer_ar_gauche	10167_3258
19	1	3258_F_plaque_foyer_ar_droite	10168_3258
18	1	3258_F_facade	42101_3258
17	1	3258_F_chenet	10306_3258
16	1	3258_AA_vis_epaulement	19250_3258
15	2	3158_T_patte_fix_cote_int	12375_3158
14	2	3158_T_joint_cote	12343_3158
13	1	3158_T_fond_socle	12240_3158
12	1	3158_T_equerre_ar_sup_foyer	10307_3158
11	1	3158_T_cote_gauche_tiroir_cendres	13338_3158
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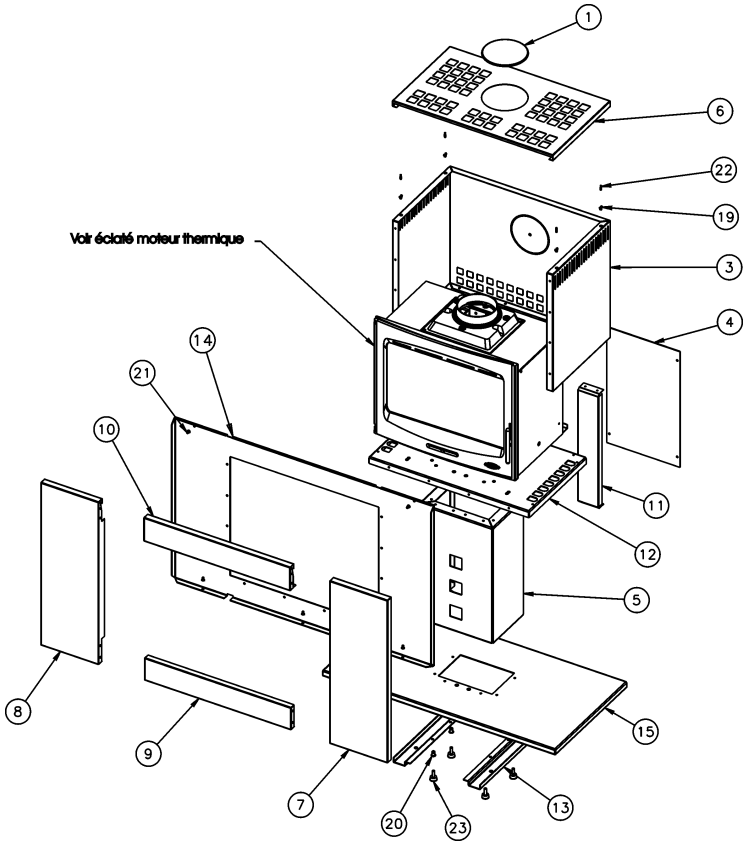
5	1	3155_F_grille_fond	2_0214_3155
4	1	3152_F_taque	11413_3152
3	1	3152_F_buse_180mm	2_4312_3152
2	1	3151_F_dessus	21101_3151
1	1	3147_F_trappe_de_nettoyage	2_4230_3147
Rep	Qt	Nom	Codification



Rep	Qt	Nom	Codification
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23	4	AA_verin_a_vis_d30_M10_lg30	00001306750
22	4	AA_goujeon_R6964R6486	00001305682
21	5	AA_ecrou_M5_eurosert_(9408_2517)	00001306629
20	4	AA_ecrou_M10_eurosert_(9418_2028)	00001307166
19	4	AA_attache_rapid_4434_3	00001306005
18	1	996022_T_poignee_porte_chargement	1_2839_996022
17	1	996022_AF_butée_de_facade	1_2010_996022
16	1	996022_AA_embout_de_poignee	00001307...
15	1	368106_T_support_de_pied	1_2660_368106
14	1	368106_T_support_de_panneau	1_1947_368106
13	2	368106_T_renfort_pietement	1_2614_368106
12	1	368106_T_plaque_d_assise	1_2690_368106
11	1	368106_T_plaque_decor	1_2422_368106
10	1	368106_T_facade_superieur	1_2105_368106
9	1	368106_T_facade_inferieur	1_2104_368106
8	1	368106_T_facade_gauche	1_2107_368106
7	1	368106_T_facade_droite	1_2106_368106
6	1	368106_T_couvercle	1_1201_368106
5	1	368106_T_colonne_avant	1_2602_368106
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GODIN CONTRACTUAL GUARANTEE

All our appliances have a 2-year guarantee (except wood burning closed fireboxes) against any defect, starting on the date of purchase. This guarantee is subject to the correct installation, utilisation and maintenance conditions described in the manual supplied with the appliance.
Some parts that are in direct contact with high temperatures and that can undergo deformations caused by wear and tear are guaranteed 1 year for a standard replacement, like:

- **decorative panels, side panels, grills, front hearth floors,**
- **guide plates, baffles, valves, fire-dogs, ash-pit,**
- **fire bricks,**
- **articulation mechanisms (door hinges, handles, etc.)**
- **fans, thermostats for overheating of appliances equipped with blast engine,**
- **temperature control elements, oven thermostats, fans for fan heated gas/electric cookers,**
- **burners, catalysers, burner rings for fuel appliances,**
- **boilers for central heating and cooking systems for wood/coal.**

Our appliances have been specially designed so that replacing these parts is easy.

Some parts have a longer guarantee:
3 years for cast-iron or steel heating body of our boilers for central heating.

A wood burning closed firebox has a 5-year guarantee (only the heating body). Parts in direct contact with high temperatures and undergoing wear and tear are guaranteed 1 year.

Only elements that are recognised as defected by our after sale service are guaranteed. Any indemnity, compensatory damage, cost of labour and transport are not included.

In case the repair or replacement reveals to be too expensive compared to the price of the appliance, the decision to replace or to repair the appliance is to be taken by the after sale service only.

Parts not covered by the guarantee: GLASSES OF APPLIANCES

Ceramic glass can resist to temperature shocks up to 750°. It can only be broken by a mechanical shock while using or handling the appliance, so the glass can not be replaced under the guarantee.
The same rule applies to glass seals which are considered as wear and tear parts and are excluded from the guarantee.

GUARANTEE VALIDITY LIMITS:

- **Damage caused by using the appliance with other than recommended fuels in our manuals.**
- **Deterioration of parts provoked by external elements (backdraft, storm effects, humidity, pressure or depression that is not conform, temperature shock, etc.);**
- **Any defect, deterioration or accident caused by a fall, shock, negligence, lack of the buyer's supervision or maintenance;**
- **Abnormal usage of the appliance in conditions that are different from conditions for which it has been designed; for example non-observance of our technical manuals (wrong electric connection, running an empty boiler, etc.).**
- **Any modification, transformation or intervention carried out by personnel or enterprise that is not authorised by GODIN S.A. or carried out with spare parts that are not made or authorised by the manufacturers;**

GODIN S.A. will not be responsible under the guarantee for any installation, assembly or dismantling costs and consequential removal of the appliance.

Consequently, GODIN S.A. cannot be held responsible for any material loss or human accidents, being a result of incorrect installation non-observing the legal provisions and regulations (par example, lack of ground connection, incorrect draft of the chimney, etc.).

In order to constantly improve our products, we reserve the right to modify our appliances without prior notice. All the dimensions and specifications given are subject to variation according to technical requirements.

In case of a problem occurring during your guarantee period, please contact your retailer providing him with a copy of your bill and guarantee containing the appliances product codes, the retailer's stamp, the date of the appliance installation.

Boilers – Cookers – Heating appliances - Foundry
GODIN S.A. – 532, rue Sadi Carnot – 02120 GUISE – France

We remind you that the After Sale Service is supplied by the retailer or the fitter, on site and that we do not deal directly with individual customers.
Any individual customer contacting our company will be directed to his retailer and who will deal with any After Sale or other problems.

CHECKING FORM

Name and address of the distributor Tel.:	GUARANTEE HOLDER : ADDRESS: Tel.: Date of putting into service: Date of installation: Date: Place: Signature:

PRODUCT CODE OF PARTS TO BE REPLACED

Designation	Product code:	Remarks:

Control certificate:	CONTROL CARD:	
Appliance type: Model: **Controller:**	Heating body check-up (aspect and air tightness) Removable parts check-up Door(s) closing check-up Lighting regulator check-up Presence of information panel Presence of guarantee bond	
Serial number: Guarantee number:	Presence of ash pit Present of flue collar Presence of handle holder Presence of warning label	