



INSTALLATION AND OPERATING MANUAL

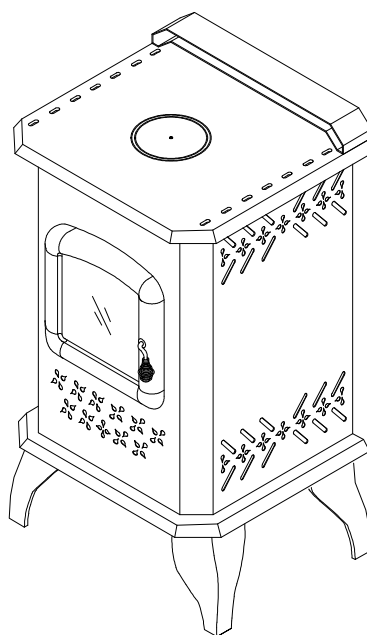
OIL BURNING STOVE MONT BLANC

Vérifié and tested following
CAN/CSA B140.3 et UL 896 standards by:

Intertek Testing Services
Warnock Hersey



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READ THESE INSTRUCTIONS AND SAVE FOR REFERENCE

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TECHNICAL DATA MONT BLANC OIL BURNING STOVE

COMBUSTIBLE :	OIL N° 1		OIL N° 2	
HEAT INPUT :	Kw	BTU/h	Kw	BTU/h
Minimum :	5,9	20 450	5,2	17 700
Maximum :	10,9	37 250	9,6	33 150
FLOWRATE :	cc/min	litres/h	cc/min	litres/h
Minimum :	9,9	0,60	8,0	0,48
maximum :	17,3	1,04	15,0	0,90
MINIMUM DRAUGHT REQUIRED :	0,06 INWC		0,06 INWC	
EFFICIENCY :	%		%	
with fan :	74		74,5	
without fan :	72		72	

CLEARANCES TO COMBUSTIBLES

	Mm	in
Back	255	10
Side	255	10
Corner	255	10
Top	915	36

A MINIMUM CLEARANCE OF 9" (230 mm)
FROM SINGLE WALL FLUE PIPE TO
COMBUSTIBLES MUST BE ALLOWED.

DIMENSIONS

	mm	in
Height :	970	38 ¼
Width :	550	21 ¾
Depth :	685	27
Ø outlet flue pipe :	130	5
Ø burner :	255	10
Glass (3) :	92 x 250	3 5/8 x 9 7/8
Weight :	91 kg	200 lbs

INSTALLATION INSTRUCTIONS

LOCATING THE APPLIANCE

- Position the appliance as close as possible to the chimney.
- Many configuration are possible, the most frequent are illustrated in figures 1,2 and 3.
- Respect clearances indicated on page 1. They have been tested according to approvals.
- Always respect clearances of appliance pipe manufacturers. Larger clearances always prevail.

Figure 1 : CORNER INSTALLATION

Figure 2 : PARALLEL INSTALLATION

Figure 3 : WALL INSTALLATION

Table 1 : CLEARANCES TO COMBUSTIBLES

	mm	in
Back	180	7
Side	150	6
Corners	150	6
Top	915	36
Flue Pipe	230	9

- **IMPORTANT:** It is essential to ensure that the room in which the appliance is installed is sufficiently ventilated to provide an adequate air supply.

- It is possible that if your home is well insulated, that you will have to install an outside fresh air intake.

THE BURNING OF ONE LITRE OF FUEL (OIL) REQUIRES APPROXIMATELY 30 M³ OF AIR AND WILL PRODUCE ABOUT 0.8 KG OF WATER OF WATER VAPOR AND 9 M³ OF CARBONE DIOXIDE AND ATMOSPHERIC NITROGEN. A SOURCE OF AIR FROM THE OUTSIDE IS NEEDED TO REPLACE COMBUSTION AIR.

CHIMNEY INFORMATIONS

- Before the hook up of the appliance, inspect the chimney to ensure that it is in good condition and that the quality of the flue will allow a sufficient draft. For a good combustion, refer to the technical data of the appliance to know the minimum draft required.
- Factory built (A) or (L) type chimney is approved for this appliance. The chimney has to be well insulated; a chimney with a cold internal surface can prevent a good draft and condensation will occur.
- Chimney sections must be of constant diameter. 5" factory built chimney is required. An excessively large diameter will produce too great of a volume, which is more difficult to heat.
- When the appliance is installed on a masonry chimney which is often oversize, it's required to use a stainless steel liner of 5" diameter inside the existing chimney.
- The chimney should be no less than 15' high (including appliance pipes). The chimney has to extend no less than 3' above the point it exits the roof and 2' higher than any roof, or any other obstacles within a horizontal distance of 10'.

- **CHIMNEY MINIMUM HEIGHT :**
Height of chimney should inferior than 15' (4.6 m).

Figure 4: CHIMNEY MINIMUM HEIGHT

- **CLEARANCES WITH ROOF SUMMIT AND BUILDING NEARBY :**
The chimney flue shall extend at least 2' (0,6 m) above the highest roof surface or structure within 10' (3,0 m) horizontally of the chimney.

Figure 5: CHIMNEY CLEARANCES

- **CLEARANCE FROM ROOFING INTERSECTION:**
The chimney flue shall extend at least 3' (0,9 m) above the highest point at which it comes in contact with the roof. ref.: standard B-139 - 4.2.2.11.

YOUR APPLIANCE SHALL BE CONNECTED TO A CHIMNEY WHICH WILL PROVIDE AN ADEQUATE DRAFT AT ALL TIMES TO ENSURE SAFE AND PROPER OPERATION OF THE BURNER

CONNECTING THE APPLIANCE TO THE CHIMNEY

- The gases are vented from the back of the appliance. The female part of the black pipe connector has to be installed toward the flue connector of the appliance. Secure all connections with the (3) self tapping screws, with 120° distance between each of them.
- The connection between appliance pipes and chimney has to be perfectly airtight.
- A maximum horizontal length of 8' is allowed. Make sure to have a 1/4" slope per foot minimum.
- Do not use more than two 90° Elbows while connecting the appliance to the chimney.
- It is strictly forbidden to pass through combustible materials walls, floors and ceilings with appliance pipe connectors.

DIRECT HORIZONTAL CONNECTION :

You may choose to connect your appliance to the chimney with an horizontal flue pipe.

Figure 6: HORIZONTAL CONNECTION.

CEILING CONNECTION :

In the case where your chimney starts from the ceiling, use one 90° elbow and the necessary straight sections.

Figure 7: CEILING CONNECTION.

- THE CHIMNEY MUST NOT BE SHARED WITH OTHER APPLIANCES
- FIX FLUE PIPES TOGETHER WITH METAL SCREWS.
- MAKE SURE YOU RESPECT A ¼" SLOPE PER FOOT OF HORIZONTAL PIPE LENGTH.
- RESPECT CAREFULLY CLEARANCES TO COMBUSTIBLES PRESCRIBED BY FLUE PIPES MANUFACTURERS.
- FLUE PIPES CLEARANCES TO COMBUSTIBLES DEPEND ON FLUE PIPES TYPE AND MANUFACTURERS

VERTICAL CONNECTION :

IT is recommended not to use more than two (2) 90° elbows and the necessary straight sections to connect your appliance to the chimney.

Figure 8: VERTICAL CONNECTION.

LEVELLING THE APPLIANCE

- Now that the appliance is in place and properly hooked up to the chimney, you have to adjust the level of the burner.
- Put the level on the burner flange parallel to the door. (Figure 9A). Screw or unscrew the adjustable legs to level the burner with a 7/16" or 10 mm key.
- Put the level on the burner flange parallel to the sides. (Figure 9B). Screw or unscrew the adjustable legs to level the burner with a 7/16" or 10 mm key

Figure 9A: LEVELLING THE BURNER

IMPORTANT :

IT IS VERY IMPORTANT THAT THE BURNER ALWAYS STAND ON LEVEL TO ALLOW A PROPER OIL VAPOR DISTRIBUTION THROUGH THE RINGS, AND A BETTER OIL INLET.

Figure 9B: LEVELLING THE BURNER

FIXATION OF THE APPLIANCE TO FLOOR

- The appliance must be fixed in its location using the two fixation brackets. Install the brackets on the two back adjustable legs. (figure 11)
- If the flooring is made of combustible material it would be preferable to install the appliance on a non combustible surface covering at least to the dimensions of the appliance.

Figure 10: INSTALLATION OF FIXATION BRACKETS

CONNECTING APPLIANCE TO OIL TANK

- Make sure that the tank outlet is 12" (305 mm) higher than the inlet of the carburetor. (Gravity fed)
- Use only copper piping to connect tank to appliance.
- Make sure that there is a small slope on the connection from the tank toward the appliance.
- A 3" (75 mm) down slope is needed on the tank itself, from the outlet towards the other end of the tank.
- When the tank is installed outdoors, it is preferable to use oil #1, to avoid viscosity problems.

NOTE : THE BAROMETRIC TANK SHALL BE LOCATED SO THAT THE TANK WILL NOT BE EXPOSED TO THE DIRECT RAYS OF THE SUN OR ADJACENT TO ANY SOURCE OF INTENSE HEAT.

Figure 11 : APPLIANCE AND OIL TANK CONNECTION

ADJUSTING THE DRAFT

- Your appliance operated with natural draft, created by the ascension of combustion gases in the chimney. This movement creates a suction effect in the appliance and forces ambient air to go in the burner by the holes in its surround. These orifices let air in for combustion.
- For the appliance to function properly, it is essential to check the quality of the draft using a draft gauge. The draft is usually measured in inches of water column.
- Check the minimum draft required of the appliance on page 1. The draft mentioned has to be reached rapidly at a minimum settling (position #1).
- Depending on the model, the draft can be taken by the orifice on the cooking surface. The measure can also be taken by the orifice on the draft regulator usually plugged by a rubber cap. The orifice on the cooking surface is still the best area.

IMPORTANT : ALWAYS MEASURE THE DRAFT WITH ALL VENTILATION EQUIPMENT INSTALLED IN THE HOUSE (RANGE HOOD, BATHROOM FAN, AIR EXCHANGER, DRYER, ETC IN OPERATION.)

ref. : standard CAN/CSA B-139 art. 4.1.5.

DRAFT REGULATOR

- An excessive draft is as bad as a low one.
- The regulator controls the draft when it is excessive (in high winds for example).
- If the draft exceeds 0.08 in of water column, you will have to adjust the regulator.

To adjust the draft you have to screw or unscrew the counterweight on the regulator. Opened regulator: lowers the draft. Closed regulator: increases the draft

Figure 12: DRAFT REGULATOR

THE ONLY RIGHT WAY OF MEASURING THE DRAFT IS TO USE A DRAFT GAUGE THAT GIVES A READING IN INCHES OF WATER COLUMN. ANY OTHER METHOD (CANDLE, MATCHES, ETC.) ARE UNRELIABLE.

INSTALLATION OF YOUR APPLIANCE SHALL BE IN ACCORDANCE WITH CAN/CSA B-139 INSTALLATION CODE FOR OIL-BURNING EQUIPMENT IN CANADA AND STANDARD NFPA 31 NATIONAL FIRE PROTECTION ASSOCIATION STANDARD FOR OIL-BURNING EQUIPMENT IN THE U.S..

THE INSTALLATION SHALL BE MADE BY A QUALIFIED PERSON MEMBER OF THE CORPORATION IN FORCE IN YOUR AREA.

OPERATION INSTRUCTIONS

COMBUSTIBLE

- Your appliance has been design to work with oil #1 or #2. DO NOT USE GASOLINE, CRANKCASE OIL OR ANY OIL CONTAINING GASOLINE. Drolet Stoves & Fireplaces declines all responsibility regarding damage cause by using other combustibles.
- Make sure to use oil without impurities which may plug filters and valve's orifice. Impurities will only give an improper combustion.

LIGHTING

BEFORE LIGHTING

- Make sure that :
 - The tank is full;
 - The isolating valve is open;
- See that the (3) rings are in the right position. Each of them are stamped A, B and C (figure 13).
- Make sure that the flow regulating handle is in the « 0 » position (figure 14B).
- If it's not already done, arm down the valve's lever located behind the appliance (figure 14A).
- Wait for the valve to fill up and let the level stabilize.
- **BEFORE ATTEMPTING TO LIGHT YOUR APPLIANCE, MAKE SURE THAT THE FLOW REGULATING HANDLE IS IN THE 0 POSITION.**

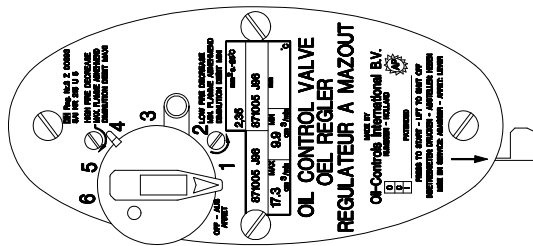


Figure 14B: CONSTANT LEVEL FLOW CONTROL VALVE (CARBURATOR)

Figure 13: BURNER RINGS POSITION

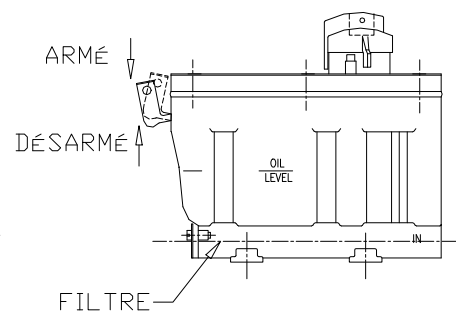


Figure 14A: ARMING / DESARMING FLOW CONTROL VALVE (CARBURATOR).

LIGHTING (CONT'D)

- Place the flow regulating handle on the "1" position, as soon as the oil has started flowing into the burner, return to "0" position.
- Open the door and pour into the burner 2 to 3 once (75 ml) of lighting gel or wood alcohol.

NOTE : USING LIGHTING GEL IS BETTER FOR A SAFE IGNITION.

- With a long wood match or a BBQ lighter ignite carefully and close the door.
- After a couple of minutes (before alcohol goes out) the burner and the chimney are will have warmed, place the flow regulator handle on "1" position.

Note : Do not leave matches or other materials in the burner in order to keep it clean. It allows a better combustion.

IF YOU MISS THE APPLIANCE'S LIGHTING, ALWAYS WAIT FOR THE BURNER TO COOL DOWN TO ROOM TEMPERATURE BEFORE USING BURNING ALCOHOL AGAIN.

IF, FURTHER TO SOME MISOPERATION, THE BURNER FINDS ITSELF WITH AN EXCESS QUANTITY OF OIL, ALL OF THE OIL MUST FIRST BE REMOVED BEFORE LIGHTING THE APPLIANCE AGAIN.

CHANGING INTENSITY

- Always wait 10 minutes minimum before increasing the flow (between each position). This allows flame to stabilize and prevents soot build-up.
- No waiting is needed to decrease the flow.

TURNING THE APPLIANCE OFF

- Set the flow regulating handle to position 0.
- If you plan to keep the appliance off for a long while, it is recommended to disarm the valve's lever and close the tap on the pipe between the appliance and your oil tank.

ALWAYS KEEP THE VALVE SHUT OFF WHEN THE BURNER IS NOT OPERATING

MAINTENANCE

ONCE A WEEK :

- Clean the oil inlet tube of the burner with the cleaning tee :
 - Push in the rod of the cleaning tee while turning it
 - Move back and forth operation 2 or 3 times;
 - Pull it back into place to finish the operation.

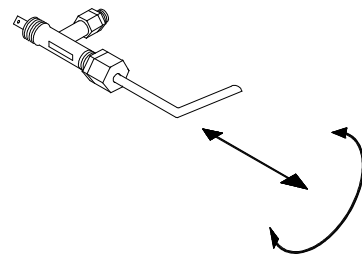


Figure 15 : CLEANING TEE

WHEN YOUR APPLIANCE IS RUNNING, ALWAYS KEEP THE CLEANING TEE LEVER PULLED BACK INTO PLACE.

ONCE A MONTH OR TWO :

- Clean with a metallic brush;
- The burner's shell;
- The burner's rings;
- The burner's catalyst (in blue flame model).

AT THE BEGINNING OF EACH HEATING SEASON :

- Clean the valve and tank filters;
- Inspect the smoke box through the opening of the rear flue outlet.;
- Clean the chimney and flue pipe.

MAKE SURE THAT ALL HAND VALVES ARE CLOSED BEFORE CLEANING PROCEDURES.

WHEN NEEDED :

- Clean the door glasses.
- Always clean the glasses when the appliance is cold. Use commercial product for this purpose, or a water and vinegar solution.

TROUBLESHOOTING GUIDE

PROBLEMS	CAUSES	SOLUTION
<p>ON POSITION 6 (MAXIMUM) THE FLAME IS LONGER AND PRODUCES SMOKE, THERE IS SOOT BUILD-UP ON THE GLASS</p>	Position 6 was reached too quickly.	<ol style="list-style-type: none"> 1. Set flow regulating handle to position 1. 2. wait for combustion to stabilize. 3. Progressively increase flow to desired position. <p>NOTE : SEE LIGHTING PROCEDURES.</p>
	Maximum flow is too high	<ol style="list-style-type: none"> 1. Set flow to a lower position 2. Call a qualified technician to adjust the valve.
	Cleaning tee and/or burner are dirty	<ol style="list-style-type: none"> 1. Activate cleaning tee according to procedures 2. Schedule at the next shut off to clean the burner.
<p>ON POSITION 1 (MINIMUM) THE FLAME PRODUCES SMOKE AND SOOT BUILD-UP ON THE GLASS</p>	plunger`s orifice is partially blocked	<ol style="list-style-type: none"> 1. Progressively increase flow to position 6. 2. Push in many consecutive times on the thermostatic regulator bottom to remove dirt form the orifice. <p>NOTE : If the problem persist, you may have to remove and clean out the valve with alcohol. Call your certified technician.</p>
	Flow is to low	<ol style="list-style-type: none"> 1. Slightly increase the flow regulating handle. 2. Call a certified technician.

SPARE PARTS

After years of use, if you need to replace some parts, please contact your SUPPLIER or one of our Drolet approved DEALERS.

- Give him product data as displayed in your warranty voucher or on your appliance's name plate at the rear. Keep the warranty voucher even after its EXPIRY date.
- Our dealers are in possession of all spare parts nomenclatures and technical data about our products, and will provide you with the spare parts you need and any maintenance intervention within the scope of their professional competence.

N°

DESCRIPTION

1	Handle
2	Door
3	Sealing joint for window panes
4	Pyrex slivers
5	Sealing joint for door
6	Draught regulator
7	Fan
8	Fan control
9	Pan
10	Valve
11	Valve support
12	Valve heat shield
13	Cleaning tee
14	Pot liner
15	Pot
16	Burner ring
17	Copper tube
18	Catalyst

SPARE PARTS (CONT'D)

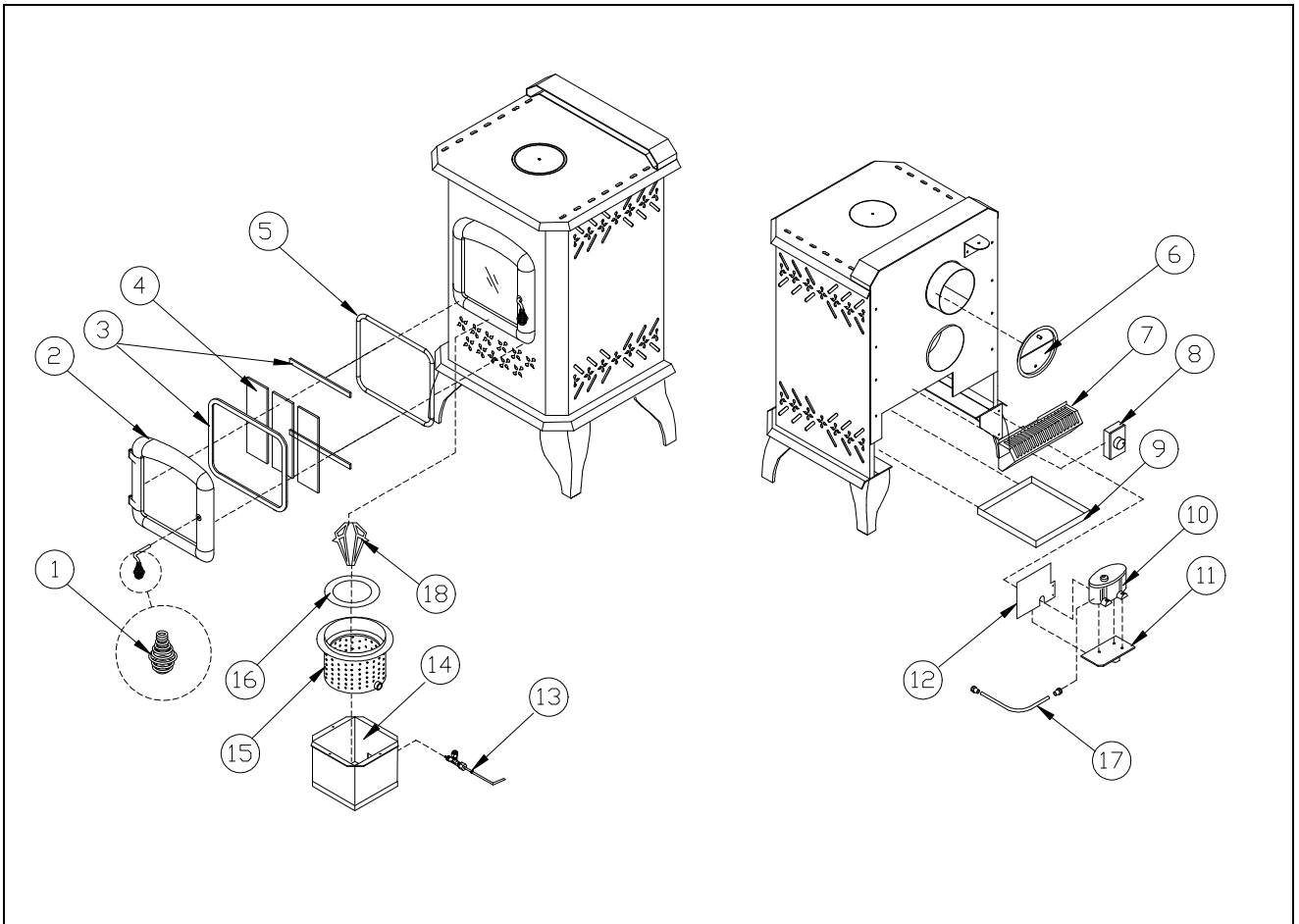


Figure 16: MONT BLANC EXPLODED VIEW, SPARE PARTS LIST



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LIMITED WARRANTY

The **Drolet Stoves & Fireplaces** warranty extends only to the original consumer purchaser and is not transferable. This warranty covers brand new products only, which have not been altered, modified nor repaired since shipment from factory. Proof of purchase (dated bill of sale), model name and serial number must be supplied when making any warranty claim to your **Drolet Stoves & Fireplaces** dealer

This warranty applies to normal residential use only. Damages caused by misuse, abuse, improper installation, lack of maintenance, over firing, negligence or accident during transportation are not covered by this warranty.

This warranty does not cover any scratch, corrosion or discoloration caused by over firing, abrasives or chemical cleaners. Any defect or damage caused by the use of unauthorized parts or others than original parts void this warranty.

An authorized qualified technician must perform the installation in accordance with the Instructions supplied with this product and all local and national building codes. Any service call related to an improper installation is not covered by this warranty.

Returned products are to be shipped prepaid to **Drolet Stoves & Fireplaces** for investigation. If a product is found to be defective, **Drolet Stoves & Fireplaces** will repair or replace such defect and reasonable transportation fees will be refund. Repair work covered by the warranty, executed at the purchaser domicile by an authorized qualified technician requires the prior approval of **Drolet Stoves & Fireplaces**. Labour cost and repair work to the account of **Drolet Stoves & Fireplaces** are based on predetermined rate schedule and must not exceed the wholesale price of the replacement part.

Drolet Stoves & Fireplaces at its discretion may decide to repair or replace any part or unit after inspection and investigation of the defect. **Drolet Stoves & Fireplaces** may, at its discretion, fully discharge all obligations with respect to this warranty by refunding the wholesale price of any warranted but defective parts

Drolet Stoves & Fireplaces shall in no event be responsible for any special, indirect, consequential damages of any nature, which are in excess of the original purchase price of the product.

DESCRIPTION	WARRANTY APPLICATION	
	PARTS	LABOUR
Combustion chamber (Weldings Only)	lifetime	5 ans
Stainless Baffle	5 ans	1 an
Carbon Steel Baffle	2 ans	1 an
Coil Handle	5 ans	n/a
Cast Iron	5 ans	1 an
Ceramic glass (thermal breakage only)	1 an	n/a
Burner	1 an	1 an
Gaskets, Blower, Switch (thermodisc), Rheostat, Paint, Burner Rings, Catalyst Ring	1 an	n/a
Valve (Carburettor)***	1 an	1 an
Gold Plating (Tarnishing Only)	lifetime	1 an

***Note : No modification or adjustment to the valve is permitted. Any changes to the valve void the warranty.

Shall your unit or a components be defective, contact immediately your **Drolet Stoves & Fireplaces** dealer. Prior to your call make sure you have the following information necessary to your warranty claim treatment:

- You name, address and telephone number;
- Bill of sale, dealer's name;
- Serial number and model name as indicated on the nameplate fixed to the back of your unit;
- Nature of the defect and any relevant information.

Before shipping your unit or defective component to our plant, you must obtain from your **Drolet Stoves & Fireplaces** dealer an Authorization Number. Any merchandise shipped to our plant without authorization will be refused automatically and returned to sender.