



# ZODIAC *manta™ II*

<b>Notice de montage et d'utilisation</b> (à conserver précieusement) Français : page _____	<b>2</b>
<b>Instructions for installation and use</b> (to be kept in a safe place) English : page _____	<b>14</b>
<b>Instrucciones de montaje y de uso</b> (a guardar cuidadosamente) Español : página _____	<b>26</b>
<b>Montage- und Gebrauchsanleitung</b> (Bitte sicher aufbewahren) Deutsch : Seite _____	<b>38</b>
<b>Istruzioni per il montaggio e per l'uso</b> (conservare accuratamente) Italiano : pagina _____	<b>50</b>
<b>Montage- en gebruikshandleiding</b> (zorgvuldig bewaren) Nederlands : bladzijde _____	<b>62</b>
<b>Instruções de montagem e de utilização</b> Português : página _____	<b>74</b>

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PRIX APPEL LOCAL

For further information please contact your retailer  
Para cualquier información adicional contactar con su detallista  
Hinweise und Auskünfte erhalten Sie bei Ihrem Händler  
Per qualsiasi informazione supplementare,  
mettetevi in contatto con il vostro rivenditore al dettaglio  
Voor nadere inlichtingen kunt u zich wenden tot uw zwembadbouwer

**ZODIAC POOL CARE EUROPE**  
[www.zodiac-poolcare.com](http://www.zodiac-poolcare.com)



# manta<sup>TM</sup> II

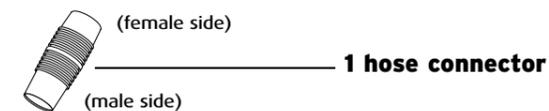
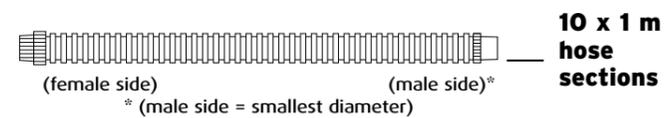
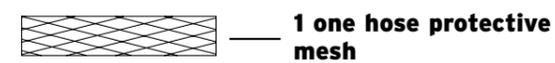
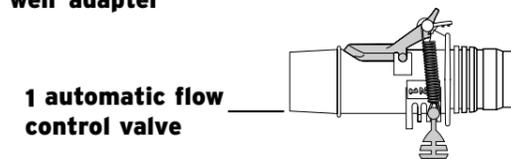
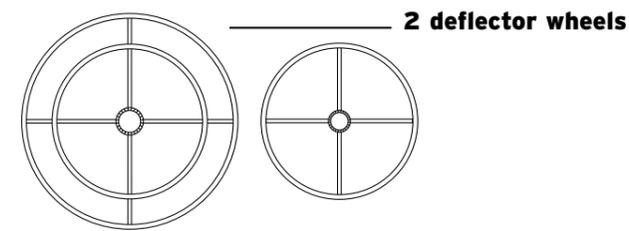
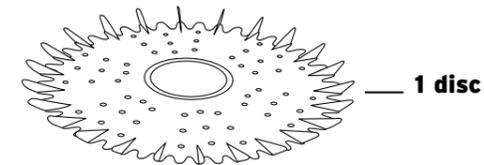
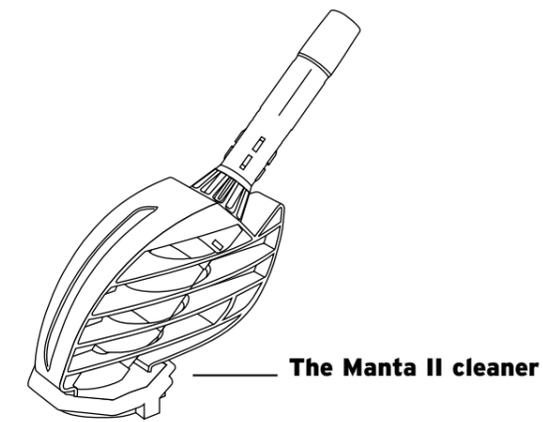
Automatic suction cleaner

**Congratulations! You are now the proud owner of the Manta II from ZODIAC, the automatic cleaner specially designed for all regularly shaped pools.**

ZODIAC, MASTERING THE ELEMENTS.

Renowned worldwide for the quality and reliability of its products in the aeronautical and marine sectors, Zodiac has now brought its expertise to swimming pools, to bring you a full range of pools, automatic pool cleaners and water treatment systems. Backed by Baracuda technology, expertise and experience, Zodiac brings you the reassurance of top quality equipment in terms of both design and performance. A real guarantee of efficiency and peace of mind!

The items included in the package and needed to install your Manta II are listed below:



## CONTENTS

PART LIST	PAGE 15
ADVICE	PAGE 16
ASSEMBLY	PAGE 16
FITTING THE HOSE	PAGE 17
INSTALLATION	PAGE 18
CONNECTION	PAGE 18
FLOW TEST	PAGE 19
WINTER STORAGE	PAGE 19
PROBLEM SOLVING	PAGE 20
CHANGING THE DIAPHRAGM	PAGE 20
GUARANTEE	PAGE 24

## ADVICE

During the season, you are advised to leave your Manta II in the pool.

If you wish to remove it while bathing, remove the hose, but do not roll it up. (1)

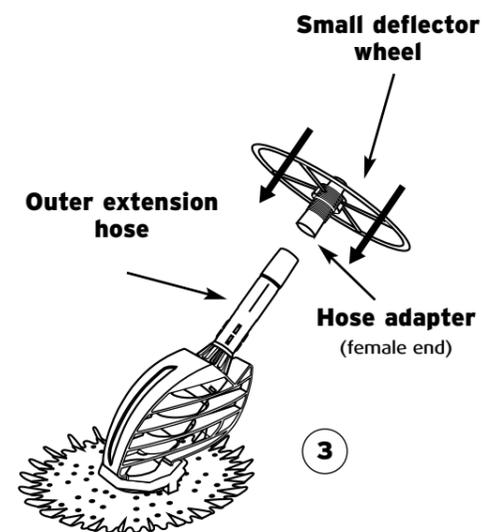
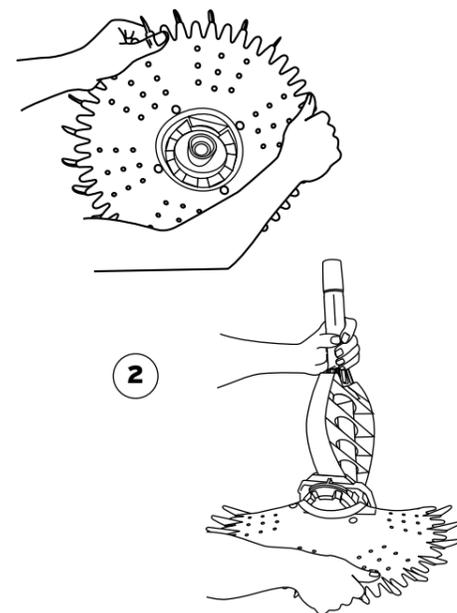
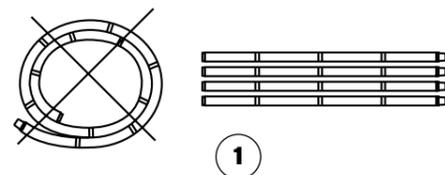
Never expose the hose to direct sunlight.

## ASSEMBLY

This unit comes fully assembled. All you have to do is fix it:

- the grey disk, with the face marked "Top" uppermost, on the flexible foot. The disk must be correctly positioned in the throat of the flexible foot and should be able to rotate freely. (2)

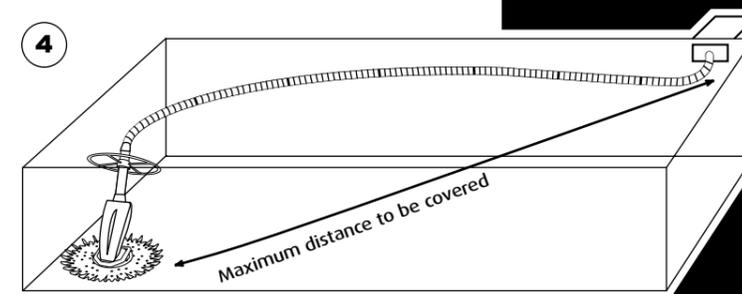
- the small available circular deflector using the hose adapter as shown in the diagram opposite. (3)



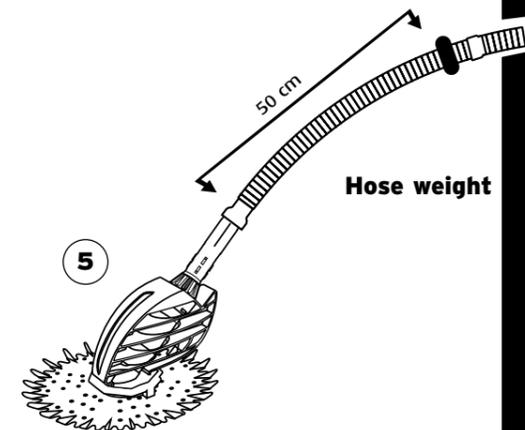
## FITTING THE HOSE

Your Manta II hose is made up of 10 x 1 m sections.

- The ideal hose length for your pool is the greatest distance your Manta II will reach from the point of connection plus one hose section, i.e. the skimmer or vacuum point, to the furthest lower corner of your pool. (4)
- After calculating the correct overall length, assemble your hose by fitting the sections together.

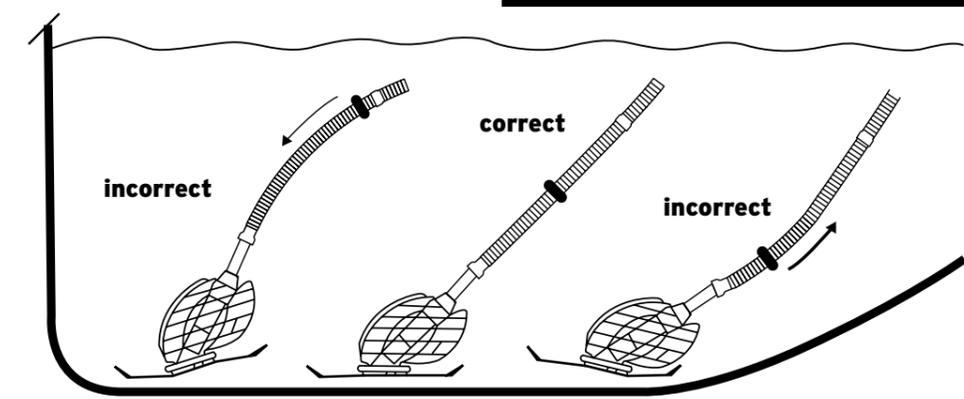


Length of hose = maximum distance + 1 section of 1 metre



- A hose weight is provided to reduce the buoyant effect of the hose. The buoyancy of the hose tends to lift the Manta II especially in deeper water. Ensure the disc sets flat on the pool surface by adjusting the hose weight about 0,5 m from the automatic pool cleaner. (5)

Connect the hose to the automatic pool cleaner.



## INSTALLATION

- Make sure the skimmer, pump basket and filter are clean.
- Adjust the inlet jets so that they point towards the bottom of the pool.
- Close the main drain on the bottom of your pool.
- Turn on the pool drain.
- Fill the Manta II hose with water using the flow from the inlet jets ensuring that the hose remains beneath the surface of the water during and after these procedures. (6)

### IMPORTANT:

You can connect your Manta II to a (or the) skimmer point, or to the vacuum point. You are strongly advised to connect it to a skimmer point for maximum cleaning efficiency.

## CONNECTION

### • Pools with one skimmer and no vacuum point

In pools fitted with only one skimmer it is advisable to use a flow control valve.

Use a weir adapter to fit the automatic flow control valve to the skimmer (7).

**IMPORTANT :** The automatic flow adjustment valve is pre-set in the factory to number 3, the most suitable position for European pools. For an optimal performance from your cleaner, we recommend that you do not move the valve from this position. Secondly, always check that the valve's dark grey flap is not held in the open position by the red lever – otherwise your cleaner cannot function.

### IMPORTANT:

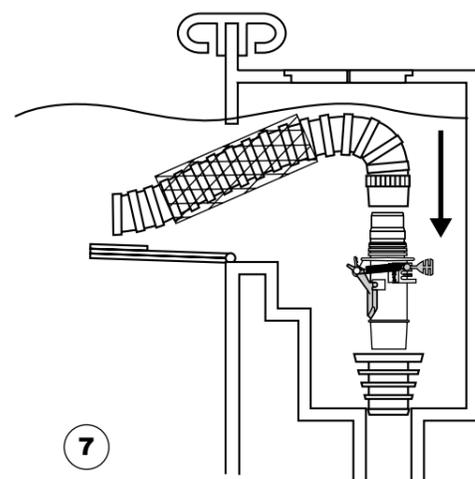
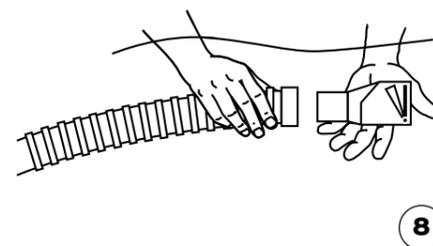
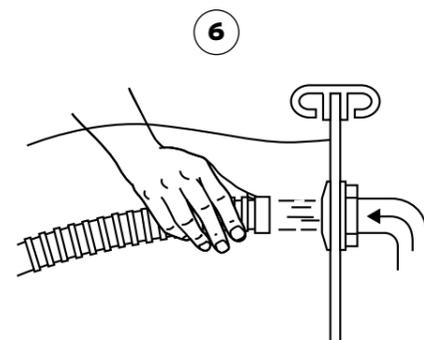
The valve must be under the water at all times, otherwise air will be sucked into the pump.

### • Pools with two skimmers

Connect the hose or skimmer socket located in the main part of the pool. Then adjust the suction of the shallow end skimmer so that the automatic pool cleaner will move around at normal speed (5 to 6 meters per minute).

### • Pools with vacuum point

Connect the automatic pool cleaner to the vacuum point and then adjust the flow using the skimmers as described above.



## FLOW TEST

**You can always check the flow rate, particularly if you have doubts about the suction power of your pump.**

N.B. : all these operations must be carried out under water so that the pump does not take in air.

**1.** Remove the Manta II from the hose and replace with the pool pulse. (8)

**2.** Note the zone indicated on the tester :

**"Ideal"**:  
the flow rate is ideal for running your Manta II. Remove the tester and connect the appliance to the hose.

**"Min"**:  
increase the flow by closing the valve or flap of the skimmer or skimmers until the tester indicator moves into the ideal zone. Remove the tester and connect the appliance to the hose.

**"Max"**:  
reduce the flow by opening the valve or flap of the skimmer or skimmers until the tester indicator moves into the ideal zone. Remove the tester and connect the appliance to the hose.

## WINTER STORAGE

Clean the entire unit and the hoses with clean water. Allow to dry and store them in a dry frost-protected area.

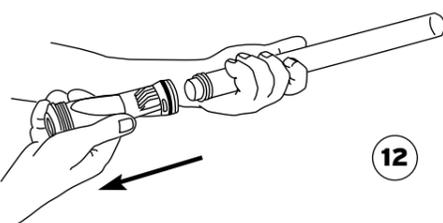
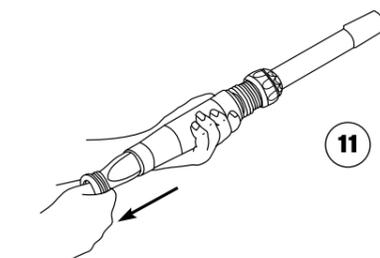
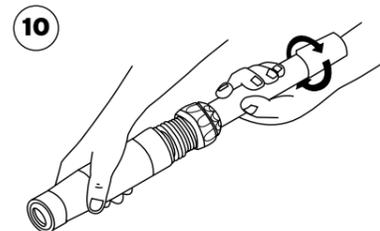
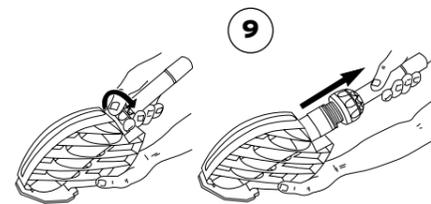
## PROBLEM SOLVING

### Problem

The Manta II will not function:

### To be checked

- Check that your filtration system is working properly and that the multiport valve is in the filtration position.
- Check whether the filter and the skimmer baskets are clean.
- Make sure the main drain is fully closed.
- Shut down the other suction lines to increase the flow into the automatic pool cleaner.
- Check the power of your pump: the minimum flow necessary is approximately 5m<sup>3</sup>/hour.
- Check whether the diaphragm of the automatic pool cleaner is obstructed by debris or is damaged.

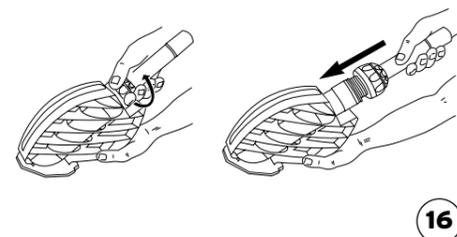
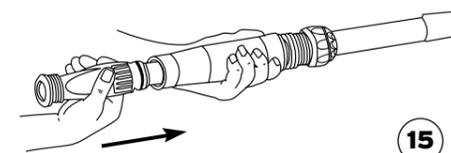
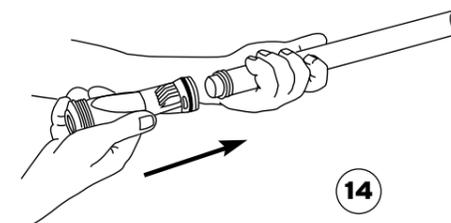
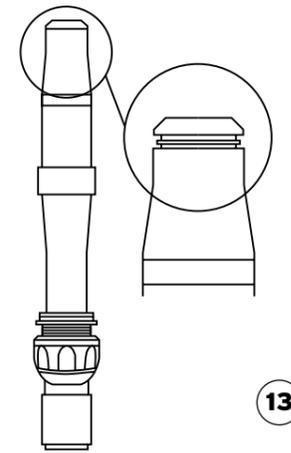


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## CHANGING THE DIAPHRAGM

### Stage 1 : Removing the diaphragm

1. Hold the main body of the Manta II and disconnect the cassette from the body. Remove the cassette from the body of the Manta II. (9)
2. Whilst holding the outer extension pipe with one hand, unscrew the cassette chamber completely. (10)
3. Take hold of the diaphragm and remove it from its cassette. (11)
4. Withdraw the diaphragm from the inner extension pipe without removing the retaining ring on the diaphragm. (12)



### Stage 2 : Adjusting the special Manta II diaphragm

If the opening of the diaphragm's cavity is too large (over 4 mm), but the diaphragm is not damaged or torn, you can solve the problem by leaving one ridge of the diaphragm exposed from the cassette chamber. This may eradicate any performance-related problems – cleaner stopping, coverage problems. (13)

### Stage 3 : Re-fitting the diaphragm

1. Fit the diaphragm to the inner extension pipe. If it is a new diaphragm, do not forget to put the retaining ring in place. (14)
2. Slide the upper part of the inner extension pipe (end opposite the diaphragm) into the lower part of the cassette. The diaphragm must fit perfectly into the lower part of the cassette. (15)
3. Screw the cassette chamber to the cleaner's outer extension pipe. Do not over tighten. (16)
4. Reinsert the cassette into the body and tighten the outer extension pipe / cassette unit, until it has clicked into place. (16)

21

**PROBLEM SOLVING**

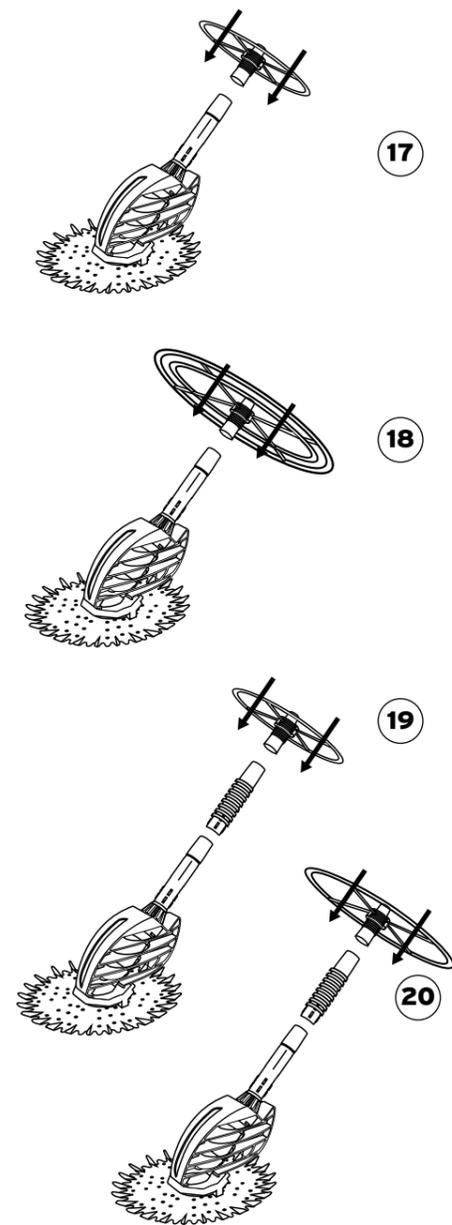
**Problem**

The Manta II moves very slowly and air bubbles appear in the flow:

**To be checked**

- Check the system is tight: between the automatic pool cleaner and hose, between each of the hose sections, between the hose and the valve, between the valve and the skimmer.

The Manta II jams against the ladder or steps:



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The problem is undoubtedly because the Manta II is not assembled in the way best suited to the shape and obstructions in your pool.

**You have four options:**

- You can fit the small circular deflector to the hose adapter immediately after the cleaner (17),
- You can fit the large circular deflector instead of the small one with the hose adapter immediately after the cleaner (18),
- You can also fit the small circular deflector to the hose adapter, after the short hose fixed to the cleaner (19),
- Lastly, you can fit the large circular deflector to the hose adapter after the short hose fixed to the cleaner (20),

If none of these options resolves the problem, connect the hose to the vacuum point the furthest away from the steps, or shorten the hose to prevent it from coming to rest on the steps.

**PROBLEM SOLVING**

**Problem**

The Manta II does not clean all parts of the pool:

**To be checked**

- To ensure that the entire pool is cleaned the filtration system operating time can be reduced. For example, 6 hours filtration in two hour sessions will give better coverage of the pool than single 6 hour filtering session.
- Make sure your hose is long enough and add sections if necessary.
- Direct the inlet jets towards the bottom of the pool.
- Check the condition of the hose (see storage advice page 16).

The Manta II will not stay on the bottom of the pool:

- Make sure the hose weight is correctly installed (see diagram 5).

The Manta II jams on the main sump:

- Close the main drain.
- Check whether the main drain grill is properly fixed.

The Manta II jams against the light:

- Fit the light correctly.

The Manta II is over the water line:

- Use the control valve or adjust the opening of the skimmers to regulate the flow of water passing through the automatic pool cleaner.

The Manta II lies down:

- If the automatic pool cleaner is unbalanced, the Manta II must be returned to the manufacturer for repair.

## **GARANTEE**

### **CONDITIONS**

All our technical experience and concern for quality have been used in the manufacture of ZODIAC automatic pool cleaners. All our cleaners are subject to quality control tests and are guaranteed against manufacturing defects.

If, in spite of all the care and know-how used in the manufacture of our products, you were to have need of the guarantee, please be aware that it only applies to the free replacement of faulty parts.

Our models are regularly updated and improved to make the most of technological advances. It is understood that these improvements cannot be added to previous models within the context of our guarantee.

### **THE GUARANTEE DOES NOT COVER THE FOLLOWING**

- accidents, crushing, deterioration and breakage due to impacts or causes unrelated to, or independent of, the fault found.
- in the event of the cleaner being worked on or tampered with by a third party not known to our workshops or by a repair technician not approved by us, or if modifications have been carried out without our written agreement.
- in the event that the cleaner has been damaged as a result of incorrect usage on the part of the customer or usage that does not comply with the instructions provided with the cleaner in its packaging.
- in the event that the appliance, its components or sections of hose have been subjected to prolonged exposure to the sun.
- in the event that the cleaner, its components or sections of hose have been damaged as a result of a chemical imbalance in the pool water.

Any claims under guarantee should be addressed to your retailer.

### **PERIOD OF GUARANTEE**

The period of the guarantee is fixed at 2 years for the Manta II, from the date of invoicing the first user.

**The diaphragm, the result of Baracuda patented technology, benefits from an unconditional guarantee of 2 years.**

Under no circumstances can repairs or replacements made as part of the guarantee prolong the appliance's guarantee period.

## **OBJECT OF THE GUARANTEE**

During the guarantee period defined above, any part recognised as faulty will be mended or exchanged by the manufacturer with a new part or in correct operating condition. This guarantee covers all faults relating to conformity existing at the time the article is delivered.

In the event of a return to the workshop, return transport costs will be the responsibility of the user, but labour costs remain the responsibility of the retailer. The immobilisation and the prevention of possession of an appliance in the event of any necessary repairs cannot give rise to compensation. In all circumstances, the legal guarantee of the seller continues to be applied in accordance with article 4 of decree n° 78- 464 of 24 March 1978.

The legal guarantee of article 1641 of the civil code is applied.

**THIS GUARANTEE APPLIES PENDING STATUTORY PROVISIONS COMING INTO FORCE THAT HAVE NOT AS YET BEEN PUBLISHED AT THE TIME OF THESE CONDITIONS GOING TO PRESS.**

### **TRANSPORT DAMAGE**

Appliances always travel at the risk and peril of the user. It is up to the user, before taking delivery of the appliance, to check that it is in perfect condition. Under no circumstances can we be held responsible for transport damage.

For further information please contact your dealer or write to us at:

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