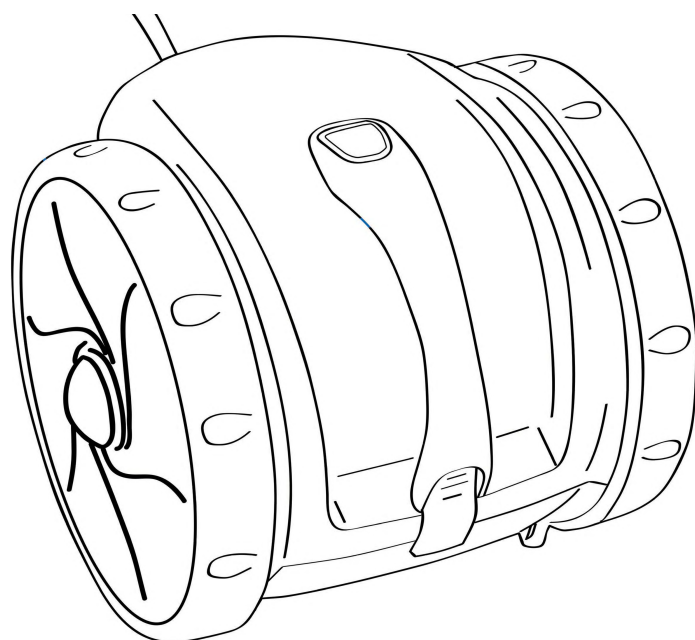


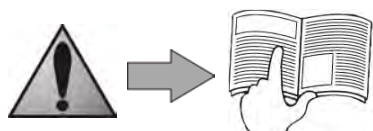
# VORTEX™ 1





Instructions for installation and use  
English

**EN**

More languages on:  
[www.zodiac-poolcare.com](http://www.zodiac-poolcare.com)



- Read this manual carefully before installing, maintaining or repairing this appliance!
- The symbol  indicates important information that must be taken into consideration in order to avoid risk of harm to persons or damage to the appliance.
- The symbol  indicates useful information.
- Exclusive use: Pool water cleaning (must not be used for any other purpose).



## Warning

- It is important that this appliance be handled by skilled and apt persons (physically and mentally) having received the instructions for use beforehand (through reading these instructions). All persons not meeting these criteria must not approach the appliance in order to avoid exposure to dangerous parts.
- If the appliance suffers a malfunction: do not try to repair the appliance yourself, contact your installer.
- Only connect the control box to a power outlet protected by a 30 mA maximum ground fault circuit breaker (if in doubt contact a qualified electrician).
- Make sure that the power socket is permanently and easily accessible and sheltered from rain and splashing water.
- The control box must not be installed in a floodable area.
- Install the control box at least 3.5 meters from the pool edge and avoid exposing it to direct sunlight. Preferably in a cool, ventilated and shaded area.
- Do not allow bathing when the cleaner is in the pool. If the control box falls into the water it is imperative that you remove the power supply before retrieving it.
- In order to avoid risks of electrocution never open the electronic control box. Contact a qualified technician.
- Never attempt to repair the power supply cable. Contact your reseller to replace it with an original part to avoid any hazards.
- Disconnect the power supply cable before any cleaning, maintenance or service operations and after each use.
- The cleaner must operate in pool water having the following characteristics: Chlorine < 3 mg/l, pH between 6.8 and 7.6, temperature between 15°C and 35°C.
- Do not operate the cleaner out of the water.
- Incorrect installation or use may cause serious damage to property or serious injuries (possibly causing death).
- Keep the appliance out of the reach of children.



### WARNING ON THE USE OF THIS CLEANER IN A POOL WITH A VINYL SURFACE


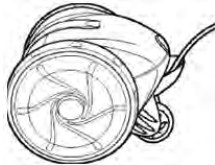
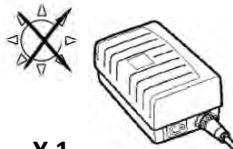
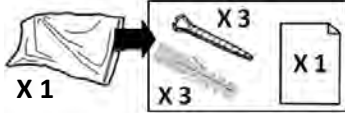
The surface of certain vinyl patterned surfaces can wear rapidly and the patterns disappear on contact from objects such as cleaning brushes, toys, inflatable buoys, chlorine distributors and automatic pool cleaners. The decoration on some vinyl surfaces can be scratched or worn by basic friction such as through the use of a pool brush. The colours of certain patterns can also be erased during use or when in contact with objects in the pool. The erased patterns, wear or scratching of vinyl surfaces are not the liability of Zodiac® and are not covered by the limited warranty.

As part of the continuous improvement process our products may be modified without prior notice.

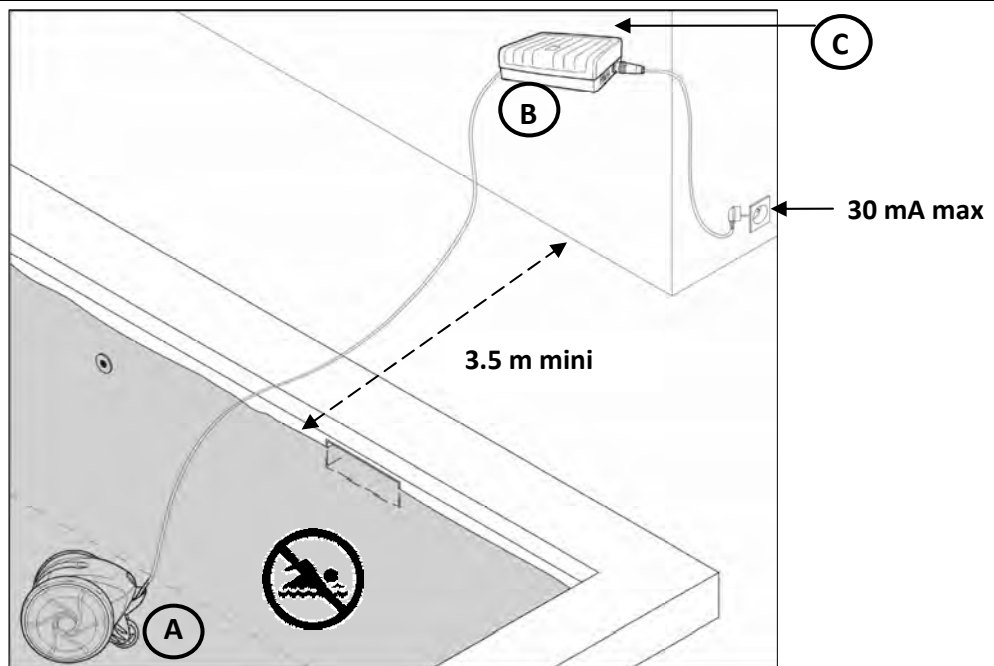
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## 1 PACKAGE CONTENTS

	A	B	C
			
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## 2 FIX THE CONTROL UNIT TO A WALL



**1** Possibility of fixing the control unit to the ground at least 3.5 metres from the pool edge

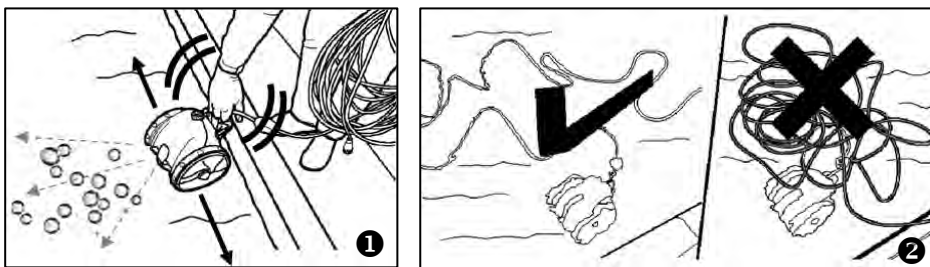
## 3 USE

### 3.1. RECOMMENDATIONS FOR USE

- Use your cleaner as often as possible. You will benefit from a pool that is always clean and the filter will clog more slowly.
- The cleaner must operate in pool water having the following characteristics: Chlorine < 2 mg/l, pH between 6.8 and 7.6, temperature between 10°C and 35°C.
- Do not use your cleaner during shock chlorination.
- You can start the pool filtering when the cleaner is operating in order to improve the general pool cleaning.
- Clean the filter after each cleaning programme.
- Never leave the cleaner in the water permanently.
- At the end of each cycle remove the cleaner from the pool. Before stowing the cleaner unravel the cable starting from the cleaner.

### 3.2. IMMERSING THE CLEANER

Once the cleaner is immersed, let it sink and settle on the pool bottom on its own.

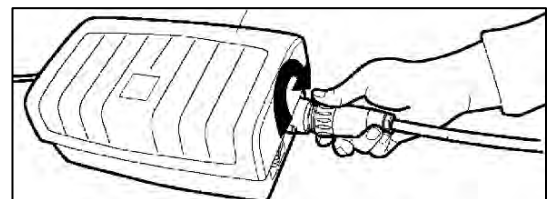


### 3.3. POWER SUPPLY

- Do not unroll the entire length of the cable into the pool.
- Place the required length of cable in the pool and place the rest on the side of the pool.
- Do not use an extension cord to connect the control unit.

• Connect your cleaner's floating cable to the control unit and screw the connector until it is correctly fitted. Do not tighten too much.

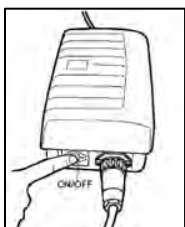
• After having connected the control box to a power outlet, the green light shows for a short period in order to indicate that the cycle is ready to start. Do not attempt to start your cleaner before the indicator lights.



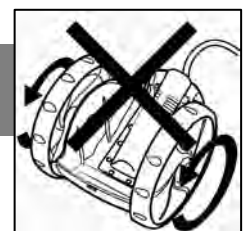
- The cleaner's control unit is fitted with an automatic cut-off system in order to avoid eventual overheating due to prolonged exposure to direct sunlight.
- The cleaner's control unit is resistant to splashes of water but is not watertight. Never immerse the control unit.

### 3.4. OPERATION

To avoid eventual injuries, never start the cleaner if the cover is not installed and locked onto the cleaner body.



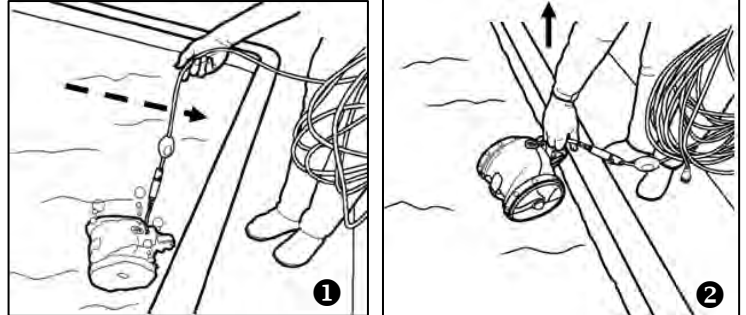
- To start the robot, press the ON/OFF button on the control unit. The green indicator lights and the cleaner starts after a few seconds.
- If you wish to stop the cleaner while it is operational press the ON/OFF button.



**i** The cleaner is fitted with a safety device that automatically switches off the cleaner if it starts outside the water. For pools with an immersed beach, this system makes it possible for the cleaner to make a 180° turn to return into the water.

### 3.5. REMOVAL FROM THE POOL

- At the end of the cleaning cycle the cleaner stops and the light on the control unit stays on for approximately 15 minutes. This period is the time that the motor needs to cool and therefore avoids damage to the cleaner.
- When the indicator is turned off, gently pull on the floating cable to approach the cleaner to the side of the pool (1).
- Only lift the cleaner from the water using the handle (2).
- Let the water drain away by keeping the cleaner vertical.
- Disconnect the electric plug from the control unit and disconnect the control unit cable.
- At the end of each cycle, roll the cable starting from the cleaner towards the connector. Make sure that the cable is disentangled on its entire length.

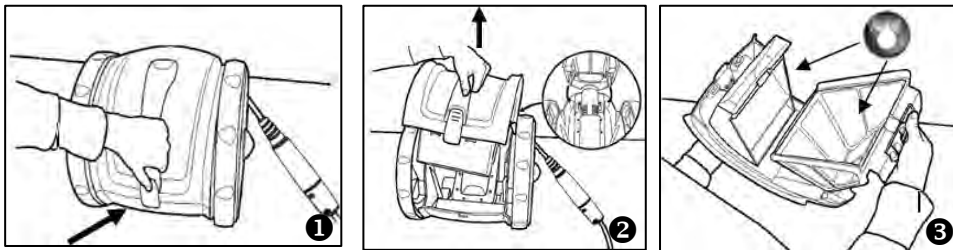


## 4 MAINTENANCE

**!** Disconnect the cleaner from the power supply box before cleaning or carrying out maintenance on the cleaner and control unit.

### 4.1. CLEANING THE FILTER AND THE APPLIANCE

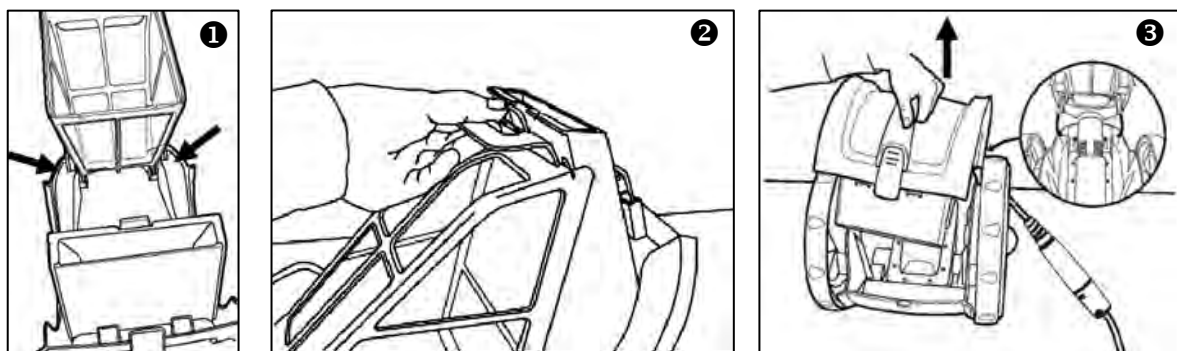
- After each cycle, rinse the filter and its holder in clear water.



- The cleaner must be cleaned regularly using slightly soapy or clean water, do not use solvents such as trichloroethylene or its equivalent. Rinse the cleaner generously using clean water. Do not let your cleaner dry in the sun by the pool.

### 4.2. FITTING THE FILTER

- Place the filter hooks on the small shafts to the rear of the cover (1)
- Push back the filter and lock it using the front clip (2). If the filter is correctly fitted to the cover it should not fall when you hold it using the cover handle.
- Fit the hinges over the edges at the rear of the cleaner body (3).
- Push back the cover and lock it using the front clip. Gently lift the cleaner using the handle to make sure the cover is correctly fitted.

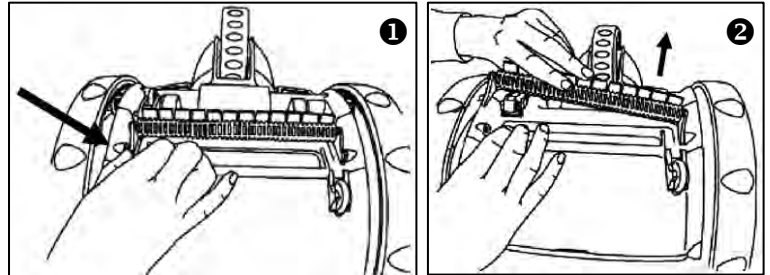


→ Contact your reseller for information on the available types of filter.

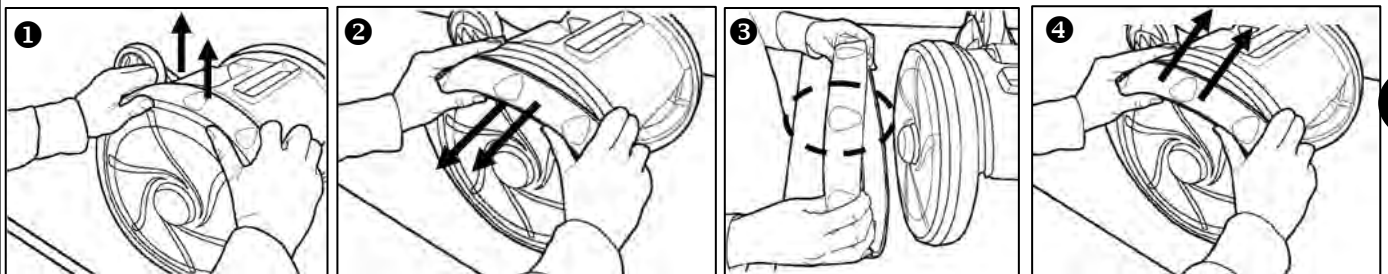
### **4.3. CHANGING THE BRUSH**

The cleaner is fitted with a PVC brush with a wear indicator. In order to maintain the efficiency of your cleaner you should replace the brush as soon as the wear indicator is reached (even if the roller is not damaged).

- Overturn the cleaner to access the brush
- Push the arm of the brush in order to remove the shaft from its housing (1).
- Lift the brush and remove it from the cleaner (2).
- Place the shaft of the new brush in its housing.
- Place the second shaft of the new brush in its housing.



### **4.4. CHANGING THE BANDS**



### **4.5. RECYCLING**



This symbol on a new appliance means that the equipment must not be thrown away, it will be selectively collected for the purpose of reuse, recycling or creating value. If it contains substances that are potentially harmful to the environment, they will be eliminated or neutralised.

Ask your reseller about how to recycle your appliance and the bodies that can do so.

## **5 TROUBLESHOOTING**

### **5.1. The cleaner does not move and the indicator light is off**

- The cleaner is stopped and waiting for a new cleaning cycle to be launched.
- Disconnect the power supply box, wait for at least 15 seconds and then reconnect it. Make sure the light turns on briefly. If the light does not turn on, check that the power supply is correct by connecting another appliance to the outlet. If the power supply is correct contact your reseller.

### **5.2. The light flashes when you press the ON/OFF button**

- Unplug the power supply box from the mains outlet.
- Disconnect the cleaner from the control unit and reconnect it following the instructions in this document.
- Reconnect the power supply and check that the light switches on.
- Press the ON/OFF button. If the light flashes contact your reseller.

### **5.3. The cleaner does not suck in debris**

- Remove the cleaner from the pool and disconnect the power supply.
- Remove and clean the filter.
- Check that the propeller is not damaged. If the propeller is damaged it must be replaced.

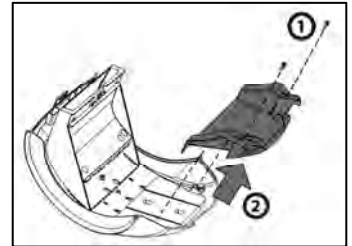
#### **5.4. The cleaner produces a jet of water but does not move**

- Remove the wheels.
- Check that no debris is stuck in the wheel cogs; remove any debris found.
- Start-up the cleaner and check that the cogs turn before the cleaner stops.

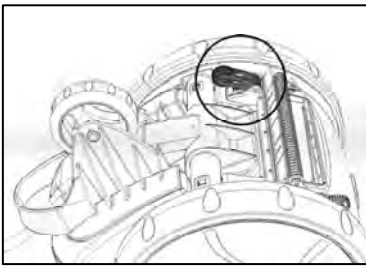
#### **5.5. The cleaner moves up to the water line and sucks in air**

• Carry out the steps in chapter 3.3 and check that the problem is solved. If the problem persists, remove the cleaner cover, then remove the 2 screws that maintain the plate (fitted with hinges) that fix it to the cleaner. Remove the plate.

- Remove the polystyrene floater and then fit the plate with the hinges. Fit the filter and then the cover onto the cleaner and check that the problem is solved.

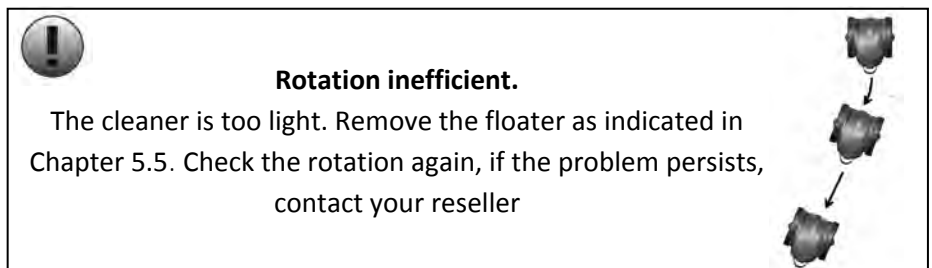
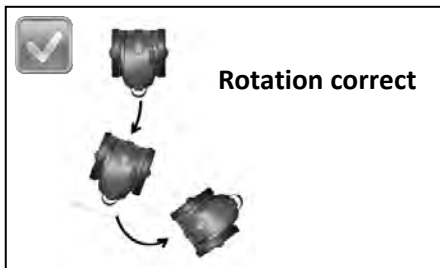


#### **5.6. Right turn is not efficient**



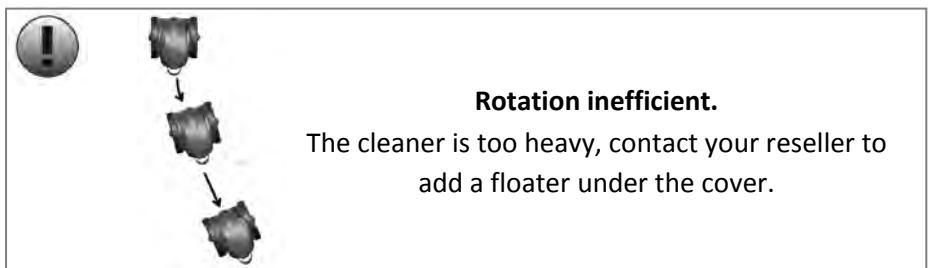
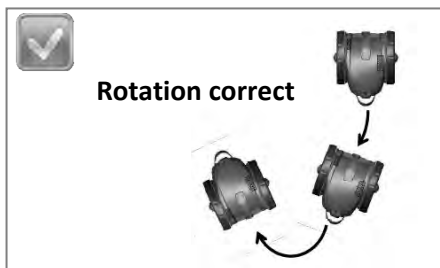
- The right turn is the first rotation of the cleaner at the beginning of the cycle. It can therefore be checked during the first minute of the appliance's operation. If the cleaner does not turn, check that the small stirrup under the cleaner pivots freely and remove any debris that might be blocking it. Make sure that the roller is not worn; if it is worn, replace it. If the problem persists contact your reseller.

- General cleaner behaviour:



#### **5.7. Left turn is not efficient**

- General cleaner behaviour:



#### **5.8. The cable gets tangled**

- Check that the cleaner rotates correctly (§ 5.6 and 5.7).
- Do not unroll the entire length of the cable into the pool.
- Place the required length of cable in the pool and place the rest on the side of the pool.

## 6 TECHNICAL INFORMATION

Control box power supply: 100-240 V, 50/60 Hz  
Cleaner power supply: 30 V DC  
Absorbed power: 70 W  
Cable length: 15 m  
Cleaner size (L x W x h): 39 x 33 x 27 cm  
Package size (L x W x h) 56 x 35 x 30 cm

Cleaner weight: 6 kg  
Packaged weight: 8.8 kg  
Theoretical cleaning width: 21 cm  
Pump flow: 11 m<sup>3</sup>/h  
Cycle duration: 2 hours approx.

## 7 DECLARATION OF COMPLIANCE

This appliance has been designed and built according to the following standards.



**According to the Electromagnetic compatibility directive:** 2004/108/EC and the norms:

EN 55014-1: 2000 +A1:2001 +A2:2002  
EN 55014-2: 1997 +A1:2002  
EN 61000-3-2: 2000 + A2:2005  
EN 61000-3-3: 1995 +A1:2001 +A2:2005

**Following the low voltage directive:** 2006/95/EC and the norms:

EN 60335-1: 2002 + A1:2004 + A2:2006 +A11:2004 + A12:2006  
EN 60335-2-41: 2003 +A1:2004

Relative to which it is compliant.

The product has been tested under the normal conditions of use.

**The manufacturer reserves the right to change these specifications without notice.**

EN



# Notes

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For further information, please contact your retailer.

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