Instructions for installation and use
English

More documents on:
www.zodiac-poolcare.com
• Read this notice 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.

**WARNING**

• As part of a continuous improvement process our products may be modified without prior notice.
• Exclusive use: pool water cleaning (must not be used for any other purpose).
• It is important that this appliance is handled by skilled and apt persons (both physically and mentally), with prior knowledge of the usage instructions (by having read this manual). All persons not meeting these criteria must not approach the appliance in order to avoid exposure to dangerous elements.
• Keep the appliance out of the reach of children.
• Incorrect installation or use may cause serious damage to property or serious injuries (possibly causing death).
• Connect the control box to a power outlet protected by a 30 mA maximum ground fault circuit breaker, respecting the safety standards that apply in the country (if in doubt contact a qualified electrician).
• Do not use an extension to connect the appliance to the power supply.
• Place the control box near the socket.
• Make sure that the socket can be easily accessed at all times and is kept out of rain or splashes.
• The box is splash-proof but must not be immersed. It must not be installed in a floodable area; keep it at least 3.5 metres away from the edge of the pool and avoid exposing it to direct sunlight.
• If the control box falls into the water it is imperative that you remove the power supply before retrieving it.
• Bathing is prohibited when your cleaner is in the pool.
• The control box must be stored in a cool, dry, well-ventilated and shaded place that is sheltered from the weather.
• In order to avoid risks of electrocution never open the electronic control box; contact a qualified technician.
• Do not try to repair the power supply cable. Contact your reseller to replace it with an original part to avoid any hazards.
• The cleaner’s floating cable may become entangled if the procedures are not followed correctly before and after each cleaning cycle. Do not leave the cleaner unattended for an extended period and respect the procedure to avoid the cables becoming too entangled.
• Disconnect the power supply cable before any cleaning, maintenance or service operations and after each use.
• Do not bury the cable. Position it so that it is not damaged (lawnmower, hedge trimmer or other equipment).
• The cleaner must operate in pool water with 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.
• If the appliance suffers a malfunction, do not try to repair the appliance yourself, contact your reseller.

**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.

- Failure to respect the warnings above may cause serious damage to the pool equipment or cause serious injury.
- This product is intended to be used in pools which are permanently installed. Do not use the cleaner in pools which may be dismantled. A permanent pool is built into the ground, on the ground or in a building and cannot be easily dismantled and stored.
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1. Information before installing and using

1.1 Important

Check that your appliance has not been damaged during transport (shocks, broken parts, etc.). If you find any problems do not hesitate to contact your reseller before using the cleaner.

1.2 Package content

<table>
<thead>
<tr>
<th>Cleaner and its floating cable</th>
<th>Control box</th>
<th>Caddy (kit)</th>
<th>Base for control box</th>
</tr>
</thead>
</table>
1.3 Technical specifications

<table>
<thead>
<tr>
<th>Specification</th>
<th>Details</th>
</tr>
</thead>
<tbody>
<tr>
<td>Control box power supply voltage</td>
<td>220-240 VAC, 50 Hz</td>
</tr>
<tr>
<td>Cleaner power supply voltage</td>
<td>30 VDC</td>
</tr>
<tr>
<td>Max absorbed power</td>
<td>150 W</td>
</tr>
<tr>
<td>Cable length</td>
<td>15 m / 18 m (RC 4400)</td>
</tr>
<tr>
<td>Cleaner size (L x W x h)</td>
<td>41 x 42 x 28 cm</td>
</tr>
<tr>
<td>Package size (L x W x h)</td>
<td>56 x 56 x 46 cm (RC 4100 - RC 4350 - RC 4360 - RC 4370 - RC 4400 - OC 3400)</td>
</tr>
<tr>
<td></td>
<td>56 x 56 x 38 cm (RC 4300-OC 3300)</td>
</tr>
<tr>
<td>Cleaner weight</td>
<td>9 kg</td>
</tr>
<tr>
<td>Packaged weight</td>
<td>18.4 kg (RC 4100 - RC 4350 - RC 4360 - RC 4370 - RC 4400 - OC 3400)</td>
</tr>
<tr>
<td></td>
<td>14.3 kg (RC 4300 - OC 3300)</td>
</tr>
<tr>
<td>Theoretical cleaning width</td>
<td>220 mm</td>
</tr>
<tr>
<td>Pump flow</td>
<td>16 m³/h</td>
</tr>
<tr>
<td>Cycle duration</td>
<td>Bottom only (1h30) / Bottom + walls + water line (2h30)</td>
</tr>
</tbody>
</table>

1.4 Recommendations for use

- When the pool is dirty, especially when commissioning, remove the largest debris using a net in order to optimise cleaner performance.
- Remove any thermometers, toys and other objects that might damage the cleaner.
- The cleaner must operate in pool water with the following characteristics: chlorine < 3 mg / l; pH between 6.8 and 7.6; temperature between 15°C and 35°C.
- Immerse the cleaner before launching a cleaning cycle.
- Start by launching several bottom-only mode cleaning cycles.
- Never cover the control box while the cleaner is in operation.
- You can operate the filtering pump during a cleaning cycle; the particles placed in suspension by the cleaner will thus be filtered out. However, if you see that the behaviour of the cleaner is influenced by the jet as the discharge nozzle level when the filtering pump is operational, we advise you to start your cleaner when the filtering pump is not operating.
- If part of the pool is not properly cleaned change the place where you immerse the cleaner until you find the best spot.
- Regular use of the cleaner means that your pool will always be clean and the filter less clogged.

1.5 Immersing the cleaner

**Bathing is prohibited when your cleaner is in the pool.**

- Roll out the full length of the cable alongside the pool (1) to avoid the cable becoming entangled when the cleaner is immersed (4).
- Place the cleaner vertically into the water (2).
- Move it slightly in all directions so that the air contained in the cleaner escapes (3).
- It is essential that the cleaner sinks on its own and settles on the pool bottom. While it is immersed, the cleaner draws the length of cable it needs into the pool.

For better operation, place the control box in the centre of the pool's length, following the safety conditions relating to electrical connection (see § 1.6).
1.6 Electrical connection

- Use of an electrical extension is prohibited when connecting the control box.
- Place the control box on the caddy or on the base on the ground (depending on model) at a distance of at least 3.5 metres from the edge of the pool.
- Choose a dry, flat place free of any objects that may damage the underside of the control box and exposing the control box to direct sunlight.
- The control box is splash-proof but must not be immersed. To prevent any electric shock, never immerse the control box or expose it to bad weather.
- Bathing is prohibited when your cleaner is in the pool.

- Connect the floating cable into the control box (1).
- Push the connector in until you hear 2 clicks (2). Make sure the connector is sufficiently pushed into place. If it is not, repeat the operation.
- Connect the mains cable. 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).
- To disconnect the floating cable from the control box, pinch the 2 clips at the end of the connector and pull at the same time (3).
2. Mounting the transport caddy and the control box on the base

2.1 Transport caddy (RC 4100 - RC 4350 - RC 4360 - RC 4370 - RC 4400 - OC 3400)

2.2 Attaching the control box to the base (RC 4300 - OC 3300)
3. Description of the control boxes

<table>
<thead>
<tr>
<th>Box control symbols</th>
<th>Symbol description</th>
<th>RC 4100 - RC 4300 - RC 4350</th>
<th>RC 4360 - RC 4370 - OC 3300 - OC 3400</th>
<th>RC 4400</th>
</tr>
</thead>
<tbody>
<tr>
<td><img src="image1" alt="Symbol" /></td>
<td>Starting / Stopping the cleaner</td>
<td><img src="image2" alt="" /></td>
<td><img src="image3" alt="" /></td>
<td><img src="image4" alt="" /></td>
</tr>
<tr>
<td><img src="image5" alt="Symbol" /></td>
<td>&quot;Control&quot; indicator</td>
<td><img src="image6" alt="" /></td>
<td><img src="image7" alt="" /></td>
<td><img src="image8" alt="" /></td>
</tr>
<tr>
<td><img src="image9" alt="Symbol" /></td>
<td>Surface to be cleaned*</td>
<td><img src="image10" alt="" /></td>
<td><img src="image11" alt="" /></td>
<td><img src="image12" alt="" /></td>
</tr>
<tr>
<td><img src="image13" alt="Symbol" /></td>
<td>Bottom only (1h30)</td>
<td><img src="image14" alt="" /></td>
<td><img src="image15" alt="" /></td>
<td><img src="image16" alt="" /></td>
</tr>
<tr>
<td><img src="image17" alt="Symbol" /></td>
<td>Bottom + sides + water line (2h30)</td>
<td><img src="image18" alt="" /></td>
<td><img src="image19" alt="" /></td>
<td><img src="image20" alt="" /></td>
</tr>
<tr>
<td><img src="image21" alt="Symbol" /></td>
<td>Surface control*</td>
<td><img src="image22" alt="" /></td>
<td><img src="image23" alt="" /></td>
<td><img src="image24" alt="" /></td>
</tr>
<tr>
<td><img src="image25" alt="Symbol" /></td>
<td>&quot;Clean filter&quot; indication</td>
<td><img src="image26" alt="" /></td>
<td><img src="image27" alt="" /></td>
<td><img src="image28" alt="" /></td>
</tr>
<tr>
<td><img src="image29" alt="Symbol" /></td>
<td>Cleaning time adjustment*</td>
<td><img src="image30" alt="" /></td>
<td><img src="image31" alt="" /></td>
<td><img src="image32" alt="" /></td>
</tr>
<tr>
<td><img src="image33" alt="Symbol" /></td>
<td>Increase by 30 minutes</td>
<td><img src="image34" alt="" /></td>
<td><img src="image35" alt="" /></td>
<td><img src="image36" alt="" /></td>
</tr>
<tr>
<td><img src="image37" alt="Symbol" /></td>
<td>Reduce by 30 minutes</td>
<td><img src="image38" alt="" /></td>
<td><img src="image39" alt="" /></td>
<td><img src="image40" alt="" /></td>
</tr>
</tbody>
</table>

=> *The LEDs light up to show which mode is selected.

4. Use

4.1 Starting up the cleaner

- Do not touch the cleaner when it is operating.
- To prevent any damage to the cleaner, always remove the cleaner from the pool before you add any chlorine or acid.
- The pool cleaner is so efficient that it is not necessary to run more than 3 cycles per week
- The first time you use the cleaner, we recommend that you launch a "bottom only" cleaning cycle.
- The cleaning cycle can be customised at any time, before the cleaner starts or while it is operating.

- Before each cleaning cycle, roll the floating cable out along the pool.
- Connect the control box.
- The following lights come on the first time you connect: ![bottom and walls](image41) (factory setting).
- Press the ![button](image42) button to select the "bottom only" cycle or the "bottom + walls + water line" cycle.
- You may launch a cleaning cycle by pressing the ![button](image43) button; the cleaner remains immobile for a few seconds while the system configures, then starts up.
- It is normal for your cleaner to stop for a few seconds sometimes: it is calculating and adjusting its trajectory for optimum cleaning of the whole surface of your pool.

4.2 Adjusting the cleaning time (RC 4400)

You may reduce or increase the cleaning time at any time (+/- 0.5 H).

- Press the button:

![Image](image44)
4.3 Surface control

According to the type of pool lining, the cleaner will behave differently when climbing the walls. The cleaner has the **SCS** function to optimise **the wall cleaning, then the water line brushing** on all types of lining. However the **SCS** function is set, the suction power remains at its maximum at all times when the cleaner is moving across the bottom of the pool.

- Check that the cleaner filter is clean so as not to affect the cleaner's behaviour.
- Once the cleaning cycle has been launched, monitor the cleaner’s behaviour when climbing the walls and when it brushes the water line.
- Use the **SCS** button (accessible at all times) according to the cleaner's behaviour: see the following table

<table>
<thead>
<tr>
<th>Cleaner behaviour to be observed</th>
<th>Meanings</th>
<th>Function</th>
<th>SCS</th>
</tr>
</thead>
<tbody>
<tr>
<td>• The cleaner climbs the walls and brushes the water line.</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>2 LEDs are lit by default</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>• The cleaner climbs the walls quickly and goes past the water line until it sucks in air: <strong>Reduce the number of LEDs.</strong></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>• The cleaner climbs the walls slowly and stops under the water line. <strong>Increase the number of LEDs.</strong></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>=&gt; The new configuration will be effective the next time the cleaner climbs the walls.</td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

4.4 Stopping the cleaner

- The cleaner stops automatically when the cleaning cycle is complete.
- To stop the cleaning cycle in progress, press the **SCS** button on the control box.
- When the cleaner is within arm’s reach pick it up by the handle and lift it gently out of the pool (1) so that the water it contains drains into the pool (2).

⚠️ - Don't pull on the cable to remove the cleaner from the pool. Always use the handle to lift it.
- Take the cleaner out of the pool carefully: the cleaner is heavier when it is full of water.

4.5 Storing the cleaner and the cable

- Take your cleaner out of the water at the end of the cleaning cycle.
- Do not leave the control box in direct sunlight after having used the cleaner.
- After each cleaning cycle:
  1. Disconnect the cleaner from the control box.
  2. Roll the cable out alongside the pool, untangling knots, starting on the cleaner side.
  3. Leave it to dry for the cable to return to its initial shape.
  4. Reconnect the power cable to the control box.
- If you have the caddy (available as an option), place the cleaner vertically in the position provided for it to dry out quickly. Then wind up the floating cable on the caddy handle to avoid the cable becoming tangled up. Keep the cleaner out of sunlight until the next time you use it.
5. Maintenance

To avoid any electric shock and any other risks that may cause serious injury or death, disconnect the cleaner from the power supply before you carry out any cleaning or maintenance.

5.1. Cleaning the filter

The cleaner performance can be reduced if the filter is full or dirty. At the end of each cycle, clean the filter in fresh water for effective cleaning.

Filter access

- The lid’s handle rises automatically when you press the Push’n’Go™ button (1;2).
- Remove the "lid + handle" assembly using this handle (3).
- Press the two locks on the lid to release the filter (4;5).
- Clean the filter in fresh water (6).

"Clean filter" indicator (RC 4400)

If the "clean filter" indicator on the control box lights up, it is strongly recommended to clean the filter.

If the indicator comes on during a cleaning cycle, it will remain on until the end of the cycle.

5.2 Replacing the brushes

- The cleaner is fitted with PVC brushes. They have wear indicators (1).
- To remove worn brushes, remove the tabs from the holes in which they are fixed.
- To fit new brushes start by fitting the side without tabs under the brush holder (2).
- Roll the brush around its support and slide the tabs into the fixing holes (3).
- Using non-cutting pliers, pull the end of each tab to slide it through the slot.
- Cut the tabs using a pair of scissors for them to be level with the other blades (4).

We recommend that you change the brushes after 2 seasons' use.
5.3 Replacing the tracks

- Place the cleaner on its side (1).
- Starting with one of the wheels, pull the inside of the track to separate it from the wheel (2). Then remove the track from the cleaner.
- To install the new track, position the inside of the track on the first wheel's grooves (3).
- Stretch the track around the second wheel, then around the last one. Press down on the track to position it correctly on the wheel grooves (4). Make sure that the track passes under the guide.

5.4 Maintenance of your cleaner

- The cleaner must be cleaned regularly using clean or slightly soapy 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.

5.5 Recycling

This symbol means that your cleaner must not be thrown into a normal bin. It will be selectively collected for the purpose of reuse, recycling or creating value. If it contains any substances that may be harmful to the environment, these will be eliminated or neutralised. Contact your dealer for recycling information.

6. Troubleshooting

6.1 Meaning of the "control indicator" LED BLINKS

- If the LED is off, the cleaner is operating normally.
- If the LED is flashing, the cleaner is letting you know that checks must be carried out to improve cleaning and/or resolve an error. See the table below.

<table>
<thead>
<tr>
<th>PROBLEMS</th>
<th>SOLUTIONS</th>
</tr>
</thead>
<tbody>
<tr>
<td><img src="image1.png" alt="LED Blink Pattern 1" /></td>
<td>• Check that the cleaner is correctly connected to the control box. If necessary, unplug it and reconnect it following the appropriate procedure.</td>
</tr>
<tr>
<td><img src="image2.png" alt="LED Blink Pattern 2" /></td>
<td>• Check that nothing is stopping the brushes and tracks from turning correctly (sand, cable, etc.). To do so, raise the tracks to check that there are no external elements jammed in a housing.</td>
</tr>
<tr>
<td><img src="image3.png" alt="LED Blink Pattern 3" /></td>
<td>• Cleaner operating outside the pool. Make sure you start the cleaner when it is in the water (see § 1.5).</td>
</tr>
<tr>
<td><img src="image4.png" alt="LED Blink Pattern 4" /></td>
<td>• Check for the presence of pebbles or hair in the fan, if necessary clean the filter.</td>
</tr>
</tbody>
</table>
6.2 Other possible situations

<table>
<thead>
<tr>
<th>PROBLEMS</th>
<th>SOLUTIONS</th>
</tr>
</thead>
<tbody>
<tr>
<td>While operating, the cleaner does not stay firmly on the pool bottom</td>
<td>This may have 3 causes:</td>
</tr>
<tr>
<td></td>
<td>• There is still air in the casing of the appliance. Repeat the cleaner</td>
</tr>
<tr>
<td></td>
<td>immersion operations (see § 1.5).</td>
</tr>
<tr>
<td></td>
<td>• The filter is full or dirty: all you have to do is clean it.</td>
</tr>
<tr>
<td></td>
<td>• The propeller is damaged: contact your reseller</td>
</tr>
<tr>
<td>The cleaner does not or no longer climbs the pool sides</td>
<td>This may have 2 causes:</td>
</tr>
<tr>
<td></td>
<td>• The filter is full or dirty: all you have to do is clean it.</td>
</tr>
<tr>
<td></td>
<td>• Even though the water seems clear, microscopic algae are present in</td>
</tr>
<tr>
<td></td>
<td>your pool, they are not visible to the naked eye, and they make the</td>
</tr>
<tr>
<td></td>
<td>sides slippery and prevent the cleaner from climbing. Carry out shock</td>
</tr>
<tr>
<td></td>
<td>chlorination and slightly reduce the pH.</td>
</tr>
<tr>
<td></td>
<td><strong>Do not leave the cleaner in the water during shock treatment.</strong></td>
</tr>
<tr>
<td>The cleaner does not perform any movements on start-up.</td>
<td>• Check that the outlet to which the control box is connected is</td>
</tr>
<tr>
<td></td>
<td>receiving a power supply.</td>
</tr>
<tr>
<td></td>
<td>• Check that you have started a cleaning cycle and check that the</td>
</tr>
<tr>
<td></td>
<td>indicators are on.</td>
</tr>
<tr>
<td></td>
<td><strong>If the problem continues contact your reseller.</strong></td>
</tr>
<tr>
<td>The cable gets tangled</td>
<td>• Do not unroll the entire length of the cable into the pool.</td>
</tr>
<tr>
<td></td>
<td>• Place the required length of cable in the pool and place the rest on</td>
</tr>
<tr>
<td></td>
<td>the side of the pool.</td>
</tr>
<tr>
<td>The control unit does not respond when you press the buttons</td>
<td>• Unplug the cable from the mains socket, wait 10 seconds and plug it</td>
</tr>
<tr>
<td></td>
<td>back in again.</td>
</tr>
</tbody>
</table>

**=> If the problem continues contact your reseller.**

7. Registering the product

Register your product on our website:
• You will be the first to be informed of new Zodiac® products and special offers,
• You can help us to constantly improve our product quality.

<table>
<thead>
<tr>
<th>Europe &amp; Rest of the World</th>
<th><a href="http://www.zodiac-poolcare.com">www.zodiac-poolcare.com</a></th>
</tr>
</thead>
<tbody>
<tr>
<td>America</td>
<td><a href="http://www.zodiacpoolsystems.com">www.zodiacpoolsystems.com</a></td>
</tr>
<tr>
<td>Australia – Pacific</td>
<td><a href="http://www.zodiac.com.au">www.zodiac.com.au</a></td>
</tr>
</tbody>
</table>

8. Product conformity

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

**Low voltage directive:** 2006/95/EC

**Electromagnetic compatibility directive:** 2004/108/EC


Relative to which it is compliant. The product has been tested under the normal conditions of use.

**SAFETY STANDARDS:**
The cleaners are classified by the ETL as being compliant with the appropriate requirements of IEC 60335-2-41.