

# AQUA EZ-VAC

## Diaphragm

### Automatic Pool Cleaner



**Not for use with  
Splasher Pools.**

**ATTENTION!**  
Keep away from the reach  
of children and pets.



Item# 215153 Model# APC493

**DO NOT RETURN THIS PRODUCT TO THE STORE**

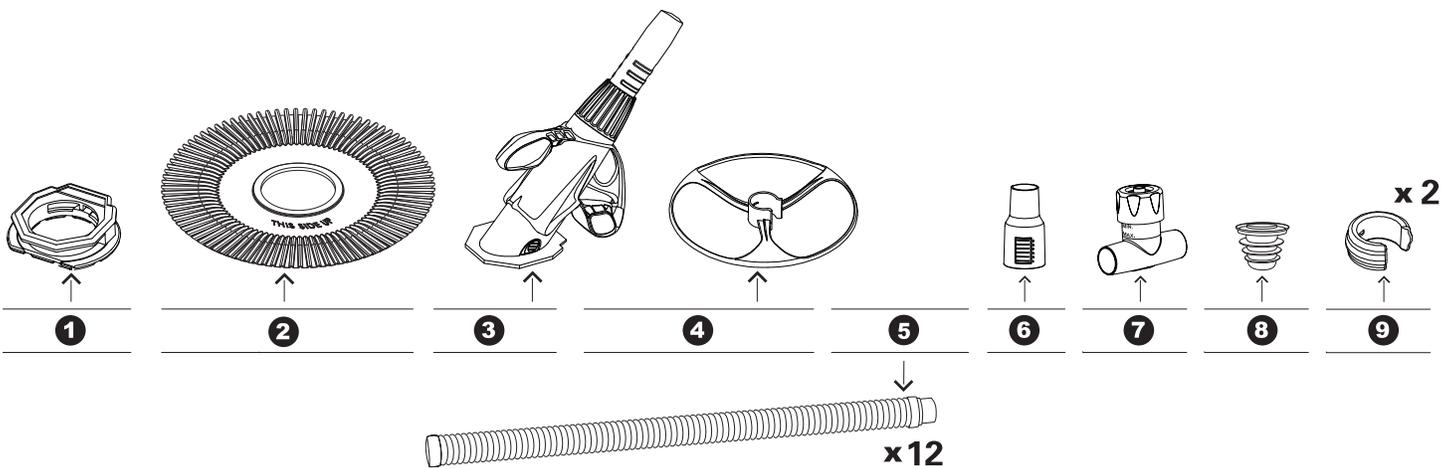
Should you have any problems or questions concerning your product or replacement parts, please contact Aqua EZ's Customer Service Division toll free at 1-877-852-4264 or visit us at [www.aquaez.com](http://www.aquaez.com)

*Installation manual*

**Congratulations** on the purchase of your new Aqua EZ EZ-Vac Automatic pool cleaner. The EZ-Vac is designed and manufactured for easy installation, and years of carefree operation. Before installing the cleaner, please take a few moments to become familiar with its components and to read over the installation instructions. Do not return this product to the store. Should you have any problems or questions concerning your product or replacement parts, please contact Aqua EZ's Customer Service Division toll free at 1-877-852-4264 or visit us at [www.aquaez.com](http://www.aquaez.com)

**Notice for Vinyl Liner Pools:** Before installing your new EZ-Vac, examine the interior of your pool carefully. If the vinyl liner is brittle or has stones, wrinkles, roots or metal corrosion in contact with the underside of the liner, or has damage to the base material or supporting walls, DO NOT install the cleaner before having a qualified professional perform the necessary repairs or liner replacement. Aqua EZ will not be responsible for liner damage caused by cleaner which is in disrepair, pattern removal from vinyl liner, or a cleaner used in a pool having an aged or deteriorated liner.

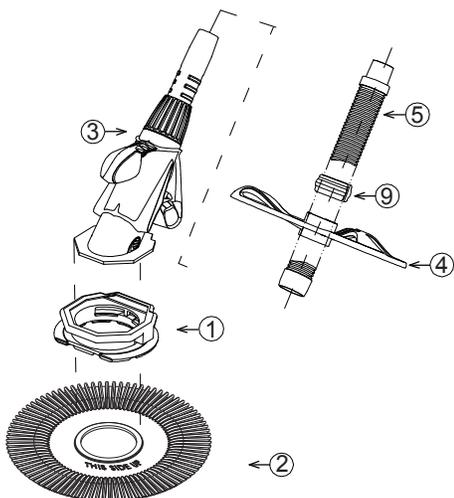
**Parts**



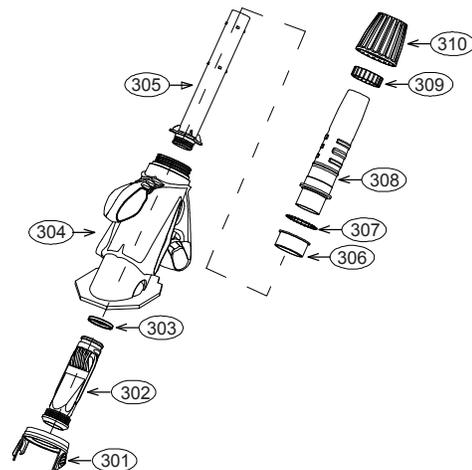
	1	2	3	4	5	6	7	8	9
ENG	Foot	Skirt	Body	Deflector wheel	Hose sections	Suction test gauge	Flow regulator	Universal adapter	Hose weight

**Assembly**

**Explosion view**



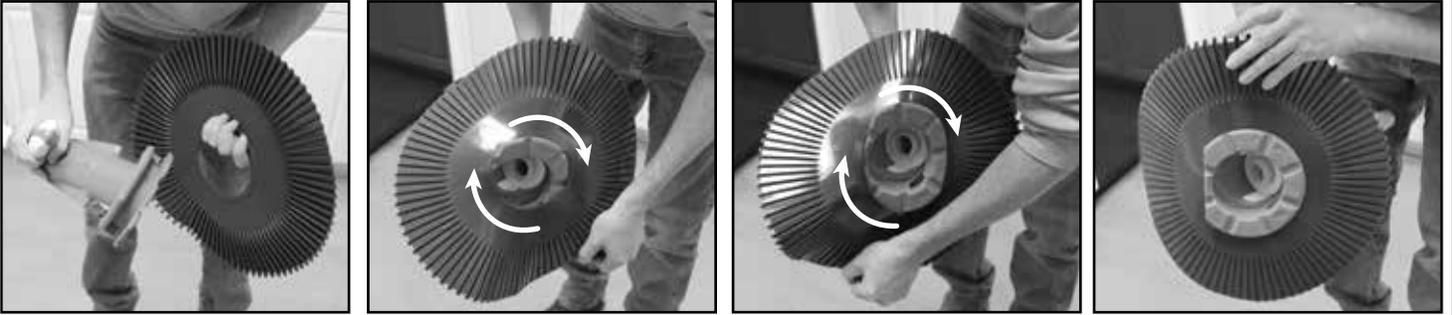
**Body explosion view**



- 301 — Clamp
- 302 — Diaphragm
- 303 — Ring
- 304 — Shell
- 305 — Inner pipe
- 306 — Bushing
- 307 — Slip washer
- 308 — Outer pipe
- 309 — "C" ring
- 310 — Nut

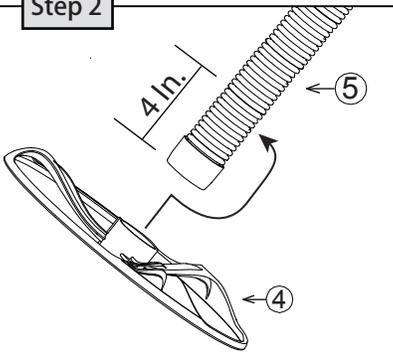
## Assembly

### Step 1



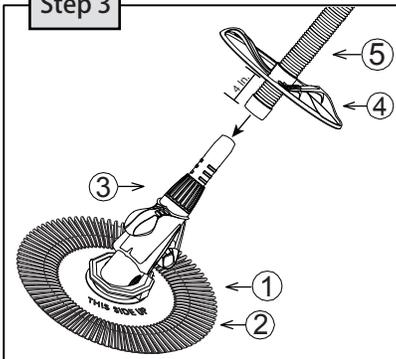
**Step 1:** Stretch the Skirt #2, over the Foot #1, by starting at the corner of the Foot #1. Rotate the skirt in a circular direction while stretching the Skirt #2 over the Foot #1. Once you have completed a full circle the Skirt #2 should now be resting freely in the skirt channel of the Foot #1.

### Step 2



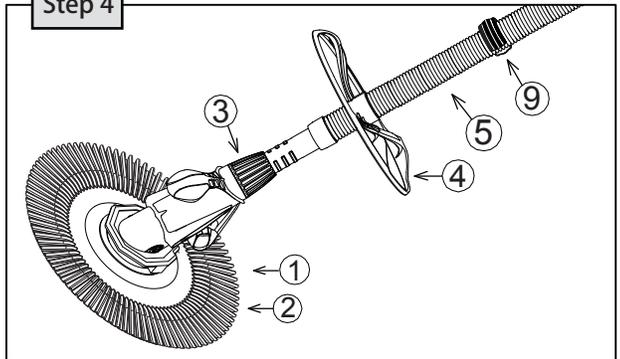
**Step 2:** Snap the Deflector Wheel #4, onto the Hose Section #5, with the curved fins of the deflector facing up. The Deflector needs to be 4 inches from the bottom of the female end of the Hose #5.

### Step 3



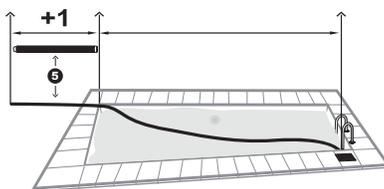
**Step 3:** Insert the assembled Body #3, into the female end of the Hose Section #5,

### Step 4



**Step 4:** Clip one Hose Weight #9, onto the Hose Section #5 about 1 foot above the Deflector Wheel #4. The position of this weight will be changed later to adjust the EZ-Vac's vacuuming angle.

## Hose sections



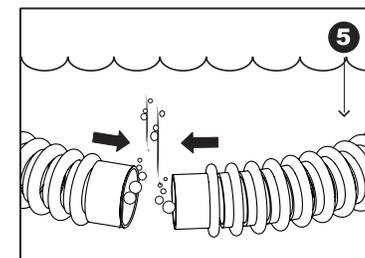
### For corner or end installations

If your skimmer or wall vacuum fitting is located at the corner or end of your pool, use enough hose sections to reach the farthest point in the pool, plus one (1) section.



### For center installations

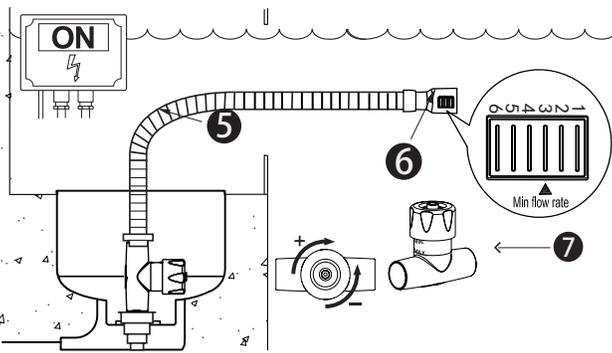
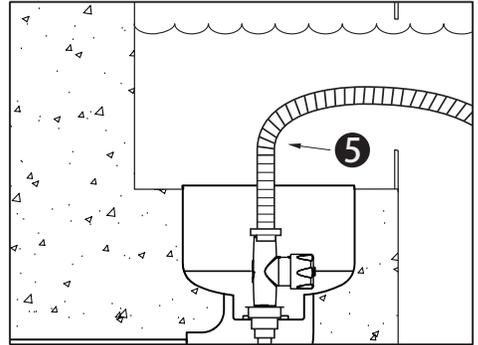
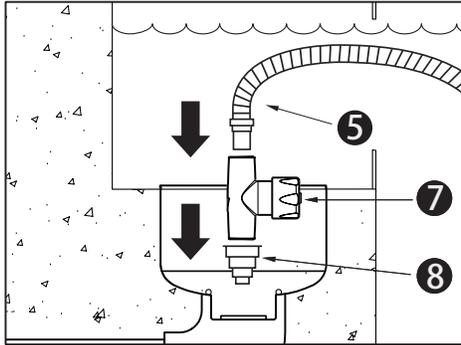
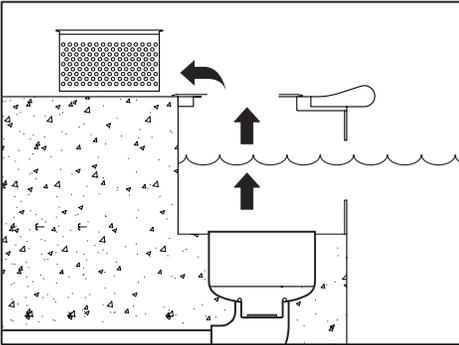
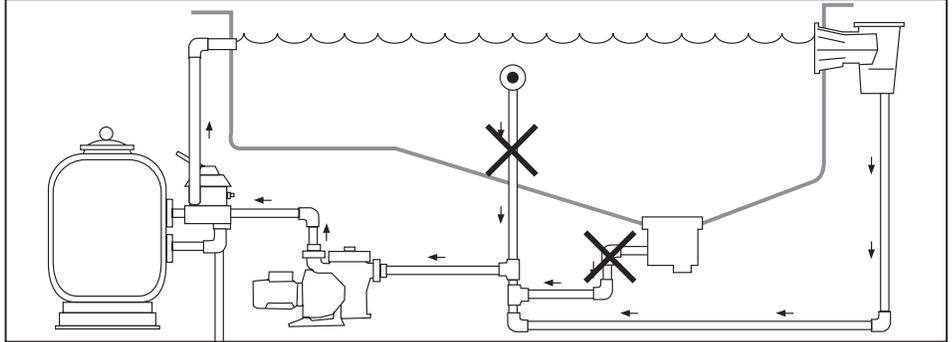
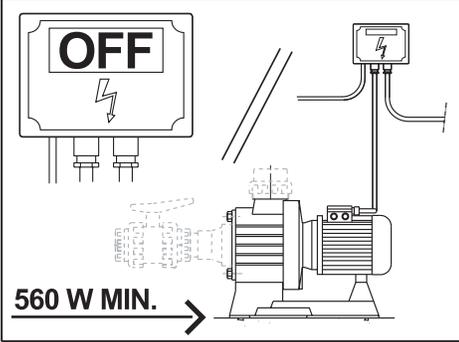
If your skimmer or wall vacuum fitting is located at the center of your pool, use enough hose section to reach the farthest point in the pool, plus two (2) sections.



### Hose Assembly

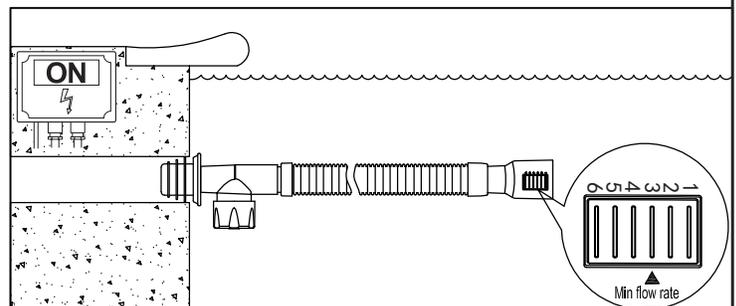
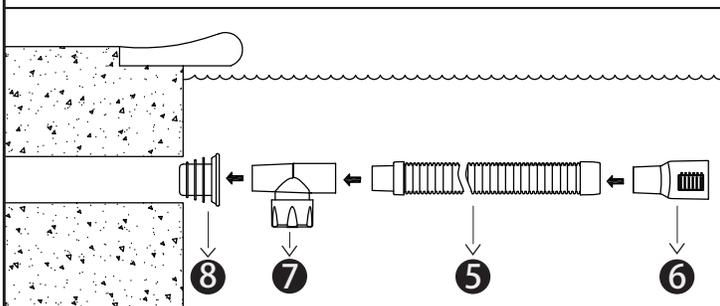
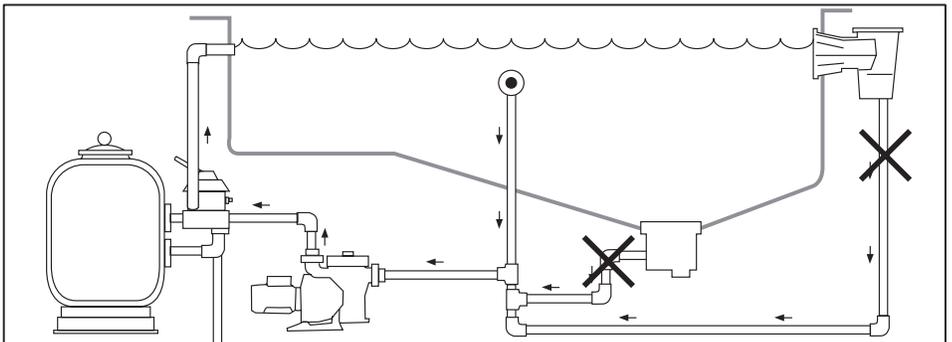
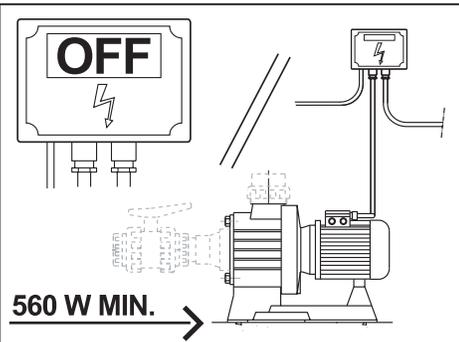
After determining the amount of Hose Sections #5 needed, Connect all sections. Make sure that this is done with the hose fully submerged under the water. Angle the hose so that all air is removed from each hose section before you connect them together.

## Skimmer System Installation

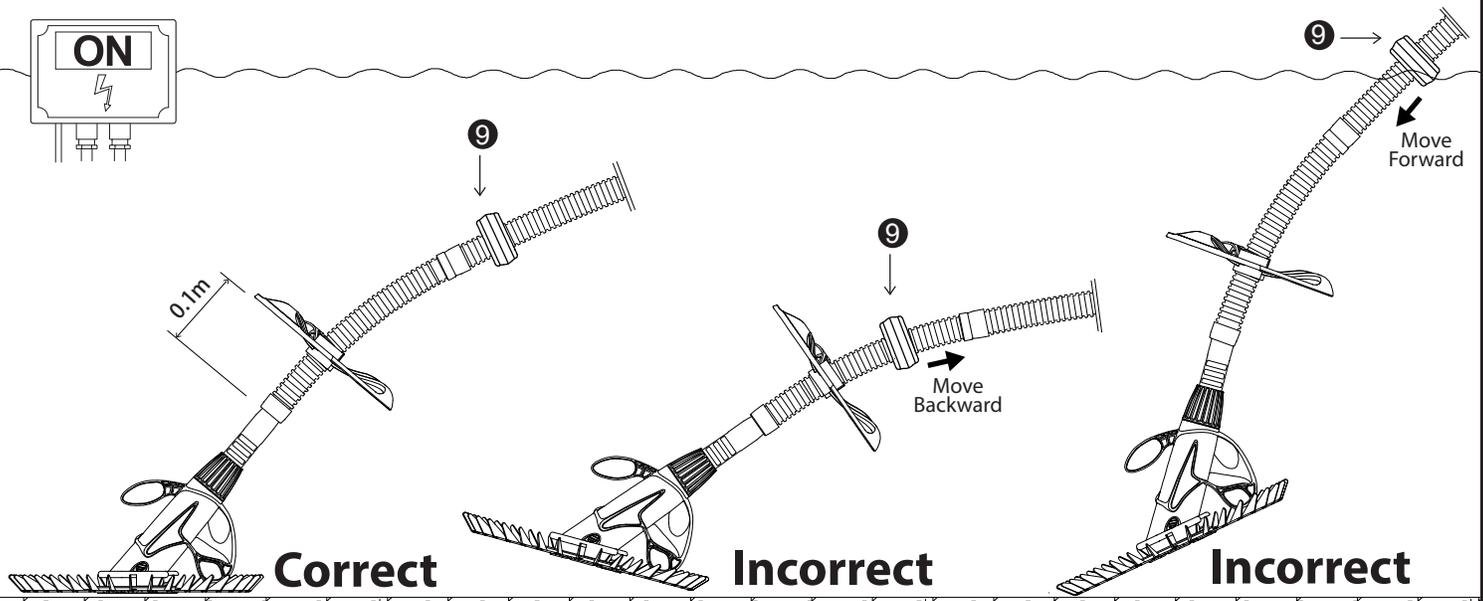


**Before connecting vacuum to hose,** check the current suction from the pool's filtration system. Connect the Suction test gauge #6 to the end of a Flexible hose section #5 with the gauge below water surface, Turn on pump and examine gauge setting. **Do Not** place hand or anything in front of gauge during this process. This exercise will determine flow rate of existing pump and if any increase or decrease in water suction is required. Pool cleaner will work best between level 3 to 6 on the gauge, use the Flow regulator #7 provided to adjust the initial setting. After installation is completed, additional adjustment to flow regulator can be made. See Trouble Shooting Guide on last page.

## Dedicated Vac Line Installation

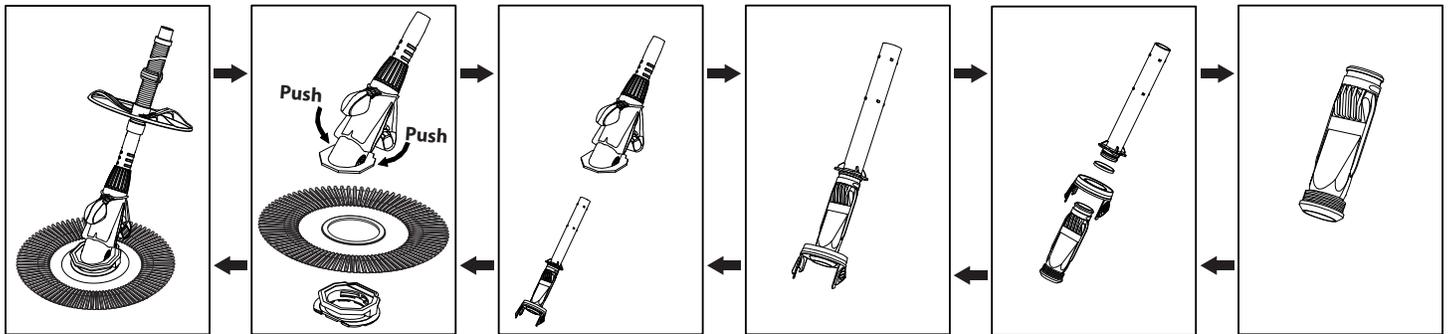


### Angle Adjustment



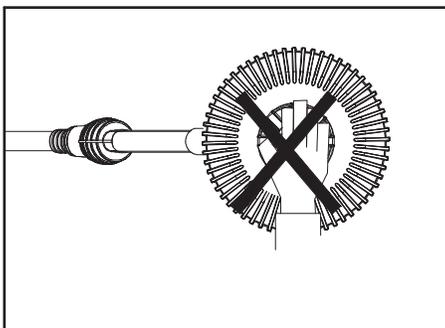
The EZ-Vac needs to be at a 45 Degree angle to the bottom of the deepest part of the pool to operate correctly. To achieve the correct angle, slide the Hose Weight #9, up or down Flexible Hose #5, as illustrated in the above diagram. In the case of deep pools you may need to add a second Hose Weight #9, to counteract excessive buoyancy created by the hose. Only add the second Hose Weight #9 if necessary.

### Replacing the diaphragm

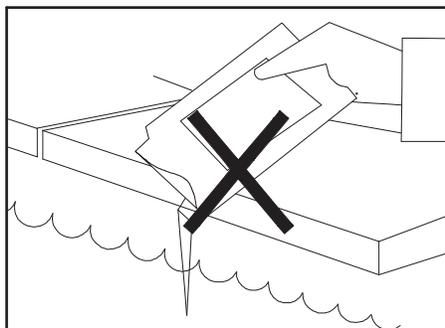


### Assembling the diaphragm

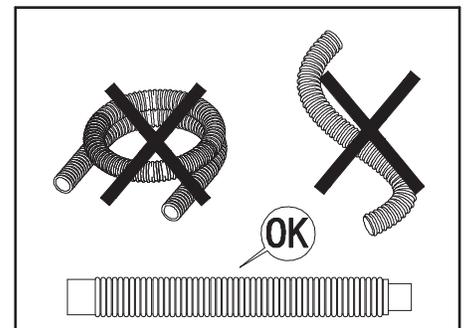
### Important Don'ts



Don't place any body part over suction port when vacuum is on.



Don't add chemicals to your pool water while vacuum is in the water.



Don't store your vacuum hose in a coiled or twisted position. Separate all hose section and store straight.

## Trouble Shooting Guide

PROBLEM	POSSIBLE SOLUTIONS
<b>Cleaner does not move or moves slowly</b>	<p>Note: In water 60° F (16° C) or less, it may be necessary to increase flow to compensate for the reduced flexibility of the hose and diaphragm.</p> <ul style="list-style-type: none"> <li>• Use Suction test gauge at end of hose to make sure the suction is sufficient.</li> <li>• Adjust Flow Regulator #7, to increase flow to cleaner.</li> <li>• Clean pool skimmer basket and filter.</li> <li>• Check diaphragm for damage or wear. Replace if cracked or damaged.</li> <li>• If the pool has multiple skimmers, verify that the skimmer not connected to the cleaner is closed. Close skimmer that is not in use.</li> <li>• Check for air in system. If water level in pump basket drops or you see excessive air bubbles in the pump basket or coming from the return lines, there is air in the system. Check hose connections, remove any air in vacuum hose and tighten all fittings at pump.</li> <li>• If the pool has a main drain, close drain using valve until proper suction is achieved.</li> </ul>
<b>Cleaner does not cover entire pool</b>	<ul style="list-style-type: none"> <li>• Adjust Flow Regulator #7, to increase suction to cleaner.</li> <li>• Ensure that the correct amount of hose is installed. Try adding or taking away one or two hose lengths.</li> <li>• Ensure that all the returns are directing water flow towards the floor of the pool, adjusting the eyeballs, or using water diverters available at your local pool shop.</li> <li>• Make sure hose is not kinked or coiled. Lay in sun to straighten if necessary.</li> <li>• Confirm proper hose length.</li> </ul>
<b>Cleaner does not climb</b>	<p>Note: EZ-Vac wall climbing ability may be limited in some pools.</p> <ul style="list-style-type: none"> <li>• Ensure the pool water is properly balanced. For example, High pH and/or lack of chlorine, makes the walls very slippery</li> <li>• Increase the suction using the flow regulator.</li> <li>• Check balance of cleaner to make sure hose weights are in the correct position</li> </ul>
<b>Cleaner spends too much time on the walls, and/or climbs out of the water.</b>	<ul style="list-style-type: none"> <li>• Decrease the suction using the flow regulator.</li> <li>• Adjust the hose weight provided towards the cleaner head.</li> </ul>
<b>Cleaner sticks in corners under ladders or on pool steps.</b>	<ul style="list-style-type: none"> <li>• Adjust Flow Regulator #7, to decrease suction to cleaner.</li> <li>• Ensure that the correct amount of hose is installed. Try adding or taking away one or two hose lengths.</li> <li>• Ensure that all the returns are directing water flow towards the floor of the pool, adjusting the eyeballs, or using water diverters available at your local pool shop.</li> <li>• Make sure hose is not kinked or coiled. Lay in sun to straighten if necessary.</li> <li>• Confirm proper hose length and suction - adjust as necessary.</li> </ul>
<b>Cleaner stays in only one end of the pool.</b>	<ul style="list-style-type: none"> <li>• Ensure that the correct amount of hose is installed. Try adding or taking away one or two hose lengths.</li> <li>• Ensure that all the returns are directing water flow towards the floor of the pool, adjusting the eyeballs, or using water diverters available at your local pool shop.</li> <li>• Make sure hose is not kinked or coiled. Lay in sun to straighten if necessary.</li> <li>• Confirm proper hose length.</li> <li>• Adjust the hose weight provided towards the cleaner head.</li> </ul>
<b>Cleaner falls on its side</b>	<ul style="list-style-type: none"> <li>• Adjust Flow Regulator #7, to increase suction to cleaner</li> <li>• Make sure that the vacuum swivels freely where it is connected to the hose.</li> </ul>

Additional parts and technical support are available at [info@aquaez.com](mailto:info@aquaez.com) or call directly  
1-877-852-4264 Mon – Thurs 8AM-5PM or Friday 8AM-3PM EST