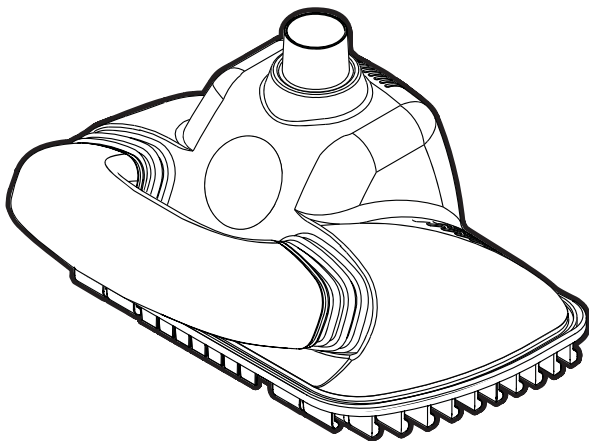


OWNER'S MANUAL



**Pentair
Water**



**Installation and User's
Guide for**

POOLSHARK Automatic Pool Cleaner

Should you the installer or owner be unfamiliar with the correct installation or operation of this type of equipment you should contact the distributor/manufacture for the correct advice before proceeding with the installation or operation of this product.

TABLE OF CONTENTS

About your Pool and Filter System	2
Installation	3
Service and Maintenance	8
Troubleshooting	11
Warranty	13

Pentair Water Product Warranty (Continued)

- h) water ingress or exposure to abnormal corrosive conditions or "run dry" conditions;
- i) any other cause which does not relate to a product defect.
- 2) Damage caused to the product as a consequence of use of another manufacturer's product used in conjunction with Pentair Water and affiliate companies.
- 3) Ingress of insects into the unit causing electrical malfunction is not warranted, care should be taken to avoid this occurrence.

Spare Parts:

Spare parts are usually stocked for a reasonable period of time following last production.

Pentair Water does not warrant that spare parts will be made available for the whole of the reasonable period and reserves its right to cease supplying spare parts or providing facilities for repair of spare parts in circumstances which are beyond its control including the requirement to remove spare parts from sale as a consequence of changes in the law or otherwise as it deems fit.

How to get service:

In Australia please contact 1800 664 266 In New Zealand please contact 0800 664 269

Claims under this warranty must give evidence of date of purchase, model and serial number of the product and the claimants name, address and telephone number.

- 1) To obtain warranted service, you will be required to provide to either Pentair Water state office or recommended service agent:-
 - a) the product;
 - b) confirmation in writing specifying the nature of your claim;
 - c) proof providing date of original purchase;
 - d) full contact details including name and address;
 - e) the serial number of the product if any.
- 2) Warranty service work will be denied or suspended, on equipment not readily accessible to service personnel, that is products that are behind barriers, tiled or bricked in, installed in roofs or second story external walls including inaccessible power points.
- 3) Any service of any product which is found to be faulty due to abuse, fair wear & tear, misuse or improper installation will be charged to the owner at the service agents current servicing hourly rate.

Limitation of implied warranties:

THERE ARE NO WARRANTIES, EXPRESSED OR IMPLIED, WHICH EXTEND BEYOND THE DESCRIPTION CONTAINED HEREIN INCLUDING THE IMPLIED WARRANTY OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE.

Exclusion of damages:

PENTAIR WATER'S LIABILITY IS LIMITED TO THE COST OF REPAIR OR REPLACEMENT OF THE PRODUCT. ONGA SHALL NOT BE LIABLE FOR:

- 1) DAMAGE TO OTHER PROPERTY CAUSED BY ANY DEFECTS IN THE PRODUCT, DAMAGES BASED UPON INCONVENIENCE, LOSS OF USE OF THE PRODUCT, LOSS OF TIME, LOSS OF PROFITS, LOSS OF BUSINESS OPPORTUNITY, LOSS OF GOODWILL, INTERFERENCE OF BUSINESS RELATIONSHIPS, OR OTHER COMMERCIAL LOSS, EVEN IF ADVISED OF THE POSSIBILITY OF SUCH DAMAGE.
- 2) ANY OTHER DAMAGES, WHETHER INCIDENTAL, CONSEQUENTIAL OR OTHERWISE.
- 3) ANY CLAIM AGAINST THE CUSTOMER BY ANY OTHER PARTY.

Effective law:

This warranty gives you specific legal rights, and you may also have other rights which vary from state to state. Nothing in this warranty limits or restricts, or is intended to derogate from, any right or remedy which the purchaser or ultimate user of the product may have pursuant to Australian state and/or Australian federal consumer protection legislation, New Zealand Sale of Goods Act, Consumer Guarantees Act, Fair Trading Act or any other relevant and applicable New Zealand legislation or authority and where necessary shall so be read and construed.

Pentair Water Product Warranty

Pentair Water warrants that, when this product is used for the purpose it was designed, is correctly housed and vented against weather, vermin, dust etc., that it will be free of material and manufacturing defects at the time of the original purchase. **This warranty is limited to the cost of the product and does not cover third party costs including the costs of electricians, plumbers, etc. unless authorised by Pentair Water.**

TERMS AND CONDITIONS APPLICABLE INTERNATIONALLY

How long the warranty is effective Internationally

1) This Pentair Water product is warranted for 12 months for all parts from the date of the first consumer purchase. Should any parts fail as a result of such defects within the specified period, the part will be replaced free of charge. (This does not include travel charges, removal and reinstallation charges.)

TERMS AND CONDITIONS APPLICABLE IN AUSTRALIA AND NEW ZEALAND

- 1) YOU SHOULD CAREFULLY READ THE INSTRUCTIONS SUPPLIED PRIOR TO USING THIS PENTAIR WATER PRODUCT.
This product is to be installed and operated in accordance with the instructions provided. This warranty will not apply if it is used in a manner other than in accordance with the instructions.

What the warranty covers:

Pentair Water warrants its products to be free of defects in material and workmanship during the warranty period. If a product proves to be defective in material or workmanship during the warranty period, then Pentair Water will, at its sole option repair or replace the product with a like product. Replacement product or parts may include re-manufactured or refurbished parts or components.

How long the warranty is effective:

- 1) This Pentair Water product is warranted for 24 months (Footpad and Seal flaps - 12 months) from the date of the first consumer purchase.
- 2) Authorised workshop labour will be free of charge for the first 12 month period from date of the first consumer purchase when unit is found to have failed due to defective workmanship or material supplied by Pentair Water Australia.
Infield service by an authorised Pentair Water Service Agent will incur a travel, removal & reinstallation fee payable by customer.
- 3) Where this Pentair Water product is sold for commercial application as defined in the relevant Trade Practices and Consumer Protection legislation the warranty shall be for a period of six months from the date of purchase by the end user.

Who the warranty protects:

This warranty is valid only for the consumer purchaser.

What the warranty does not cover:

- 1) **Damage, deterioration or malfunction resulting from:**
 - a) accident, misuse, negligence, fire, water, lightning, or other acts of nature, unauthorised product modification or failure to follow instructions supplied with the product;
 - b) repair or attempted repair by anyone not authorised by Pentair Water;
 - c) any damage to the product due to shipment;
 - d) removal or installation of the product;
 - e) causes external to the product such as electric power fluctuations or failure;
 - f) use of supplies or parts not meeting Pentair Water specifications;
 - g) normal wear and tear;

About your Pool and Filter System

Before installing your cleaner, review and understand all warnings and safety information displayed at the beginning of each section.

Pre-installation check list

Before installing the cleaner in a vinyl liner pool:

Check liner closely for signs of deterioration or damage from age, chemicals, pool wall damage, etc. If any damage is found, have a qualified pool professional make all necessary repairs. Also, if there are stones, roots, etc., under the liner, remove them before installing the cleaner.

Before installing the cleaner in a concrete pool or a pool that is partially or completely tiled:

Repair loose tiles and tighten any loose light rings.

Before installing the cleaner, clean your filter system:

Make sure you have cleaned the filter, including backwashing, rinsing, and emptying all baskets. A clean system is necessary for proper cleaner operation and coverage.

Before installing the cleaner, fill the hose with water:

Always make sure the cleaner head is submerged and the hose is full of water before connecting the hose to the filtration system (whether through a skimmer or dedicated wall fitting). Air in the system can damage the pump through dry running and overheating.

Before installing the cleaner, understand cleaner coverage:

The cleaner is designed to rid your pool of debris in approximately 4-6 hours. Less time could be needed, depending on the pool size.

The cleaner was not designed to automatically clean steps or swimouts or to work under a solar cover. It was also not designed to do initial cleanup for a new pool or when opening your pool for the season.

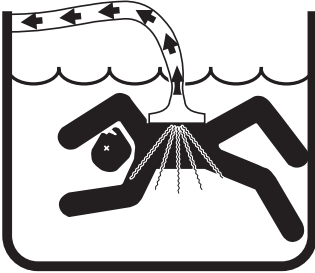
WARNING

Suction entrapment, injury, and drowning hazard. If your pool has a dedicated suction port ("vac port") for vacuuming or for an automatic pool cleaner, it must be covered when not in use.

A spring loaded safety cover (a "vac port fitting") is included with your cleaner. Install it on the suction port to prevent entrapment and injury. If the cover provided does not fit, purchase one that does from your local pool store and install it instead.

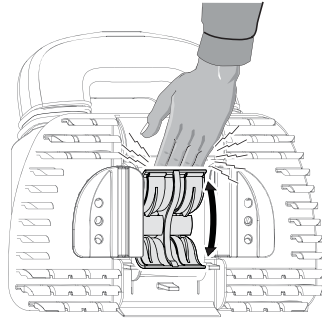
Installation

WARNING



Hazardous Suction

Can trap and tear hair or body parts.
Can cause drowning
Do not let children use or apply to body.
Do not let children use or play with pool cleaner.
Stop pumping before attempting to clean unit.
Do not allow swimmers in pool while pool cleaner is operating.



CAUTION

Oscillator may injure hands or fingers.
Stop pump before attempting to clean out pool cleaner head.

WARNING

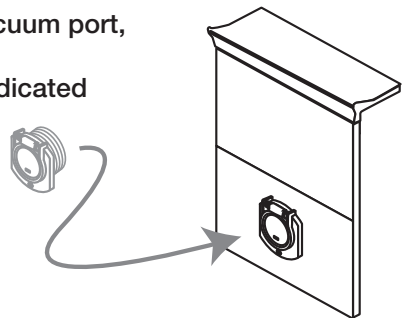
Hose can trip or entangle swimmers.
Do not allow swimmers in pool while pool cleaner is operating

Step 1: Install vacuum port door fitting

If there is no spring-loaded door on the vacuum port, install the included cover.

If your pool only has a skimmer, and no dedicated vacuum port, proceed to Step 2.

1. Screw the fitting into the port opening.
2. Orient the fitting so the arrow on the door points up.
3. Secure the cover by tightening the allen-screw below the door.



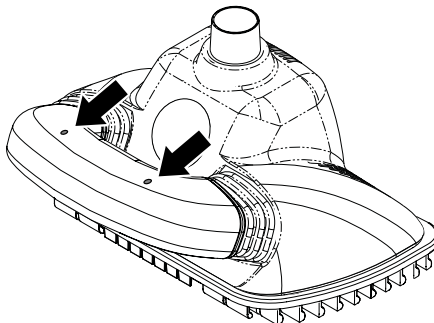
	Damaged Hose	Check the PoolShark's hose to be sure that it has not become bent or kinked. Do not coil the hose, as it will retain the coiled shape and reduce the cleaning coverage. To check the hose, lay each hose section flat on the pool deck (or another flat surface) and look down the length of the hose. It should be perfectly flat and straight. Replace any sections which are bent or kinked.
	Pool sealing around the oscillator	Check the oscillator for: damage, lost seals (there should be 4 seals): obstructed seals (seals should slide freely on the oscillator).
		Be sure that the short, soft leader hose section is the first section in the hose assembly (next to the cleaner).

Should problems persist, contact your nearest Pentair Water Service Agent.

Square Bottom Pools Only

If the transition radius between your pool's floor and wall is small and the PoolShark will not climb the pool walls, then you have a square bottom pool. If so, remove the cleaner from the pool and drill two holes in the indentations in the bumper. This will provide an outlet for air which would otherwise accumulate in the hollow bumper. This air, from microscopic bubbles suspended in the pool water, is normally able to escape when the PoolShark climbs the pool walls.

NOTICE: DO NOT drill the holes if your PoolShark **CAN** climb the pool walls.



- D. Replace the lock rings and tighten them. Be sure that the openings of the eyeball diverters point down or to the side (9:00 O'clock position), before fully tightening the rings.

Usually, directing the return line water flow against the side of the pool (as described above) works best. However, you may want to try pointing the flow downward or in different positions to see which works best in the pool.

Troubleshooting

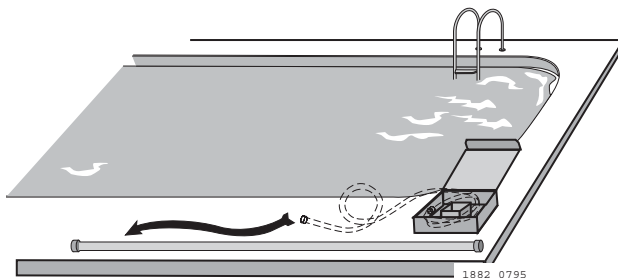
Common Causes of Cleaner Problems:

- | | |
|---|---------------------------|
| • Dirty filter | Clean the filter |
| • Dirty basket in pump hair and lint strainer | Clean the basket |
| • Debris blocking the bottom of the PoolShark | Remove the Debris |
| • Leaks in the hose | Remove the leaky section |
| • Debris in the regulator | Clean the regulator valve |
| • Low vacuum through | Close the main drain |

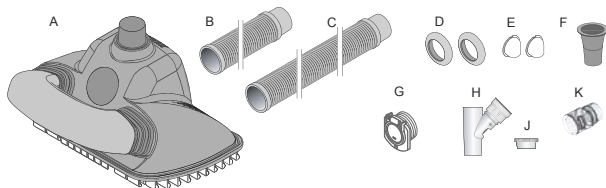
Symptom	Cause	Remedy
Pool Shark doesn't move or pulsates slowly	Low flow through Pool Shark	Make sure that the main drain and all other suction lines are closed except the suction line to which the PoolShark is attached.
		Check for debris in the filter or the pump strainer basket.
	Pool Shark Oscillator Blocked	Check for debris in the PoolSharks oscillator. Debris may prevent oscillator movement or restrict the flow through the cleaner.
	Poor sealing around the oscillator	Check the oscillator for: damage, lost seals (there should be 4 seals): obstructed seals (seals should slide freely on the oscillator).
		Be sure that the short, soft leader hose section is the first section in the hose assembly (next to the cleaner).
	Pool Shark or hose is being pushed away by return water	Check the pool return line water flow and redirect it as necessary with a return line eyeball diverter. <i>See Service and Maintenance section for installation instructions.</i>

Step 2: Straighten hose

Remove and uncoil the hoses from the carton. Lay them out in the sunlight, flat and straight.



Step 3: Check parts



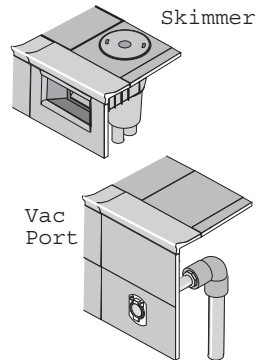
- A. Pool Cleaner
- B. Short Leader Hose (1 Length, 0.36 Metres)
- C. Hose (10 Lengths, 1 Metre Each)
- D. Hose Weights (2)
- E. Eyeball diverters (2)
- F. Reducer Cone
- G. Vac Port Fitting
- H. Regulator
- J. Regulator Cap
- K. Flow Gauge
- * Short Extension Hose (not illustrated)

Step 4: Clean filter system

Backwash and clean filter; rinse; clean all baskets, etc. Start pump.

Step 5: Adjust valves for vacuuming

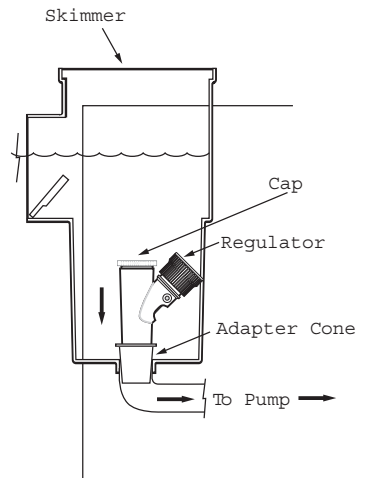
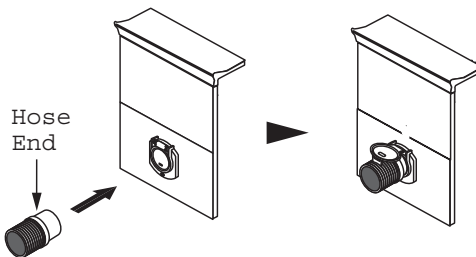
Decide on the vacuum connection you are going to use (either a skimmer or a dedicated wall fitting) and adjust the pump valves (if your system has valves) to direct all vacuum there. Close the main drain.



Step 6: Install Regulator in Pools with a Dedicated Vacuum Port

The pool regulator adjusts the amount of vacuum in the line for optimum cleaning. If your pool has a dedicated wall fitting in addition to the skimmer, follow the procedure below.

1. Turn off the pool pump.
2. Place the regulator in the skimmer as shown. The cap must be placed in the top. Use the adapter cone if needed.
3. Attach one length of hose to the vacuum port.



Once you have found the correct valve settings for best operation, we suggest you mark the valves to ensure repeated success.

In-Line leaf canisters

If your pool is exposed to large quantities of leaves, we suggest purchasing and installing an in-line leaf canister. A leaf canister will provide more debris-loading capacity and also provides a water by-pass when the canister is full. It is very important that the pump is not starved of water!

Dedicated suction line/vac port/vac fitting

Some pools have a dedicated wall fitting just for vacuuming. If the wall fitting connection is used, you may notice that the clear pump lid shows signs of bubbles or what appears to be the presence of air. To eliminate this, slightly open the main drain valve to supplement the water intake. The cleaner may slow down a bit when you change the suction.

Skimmer vac plates

Some pool owners connect the hose to a skimmer vac plate, which allows the skimmer basket to remain in the skimmer. If this method is used, empty the basket frequently. Also make sure that the vacuum regulator provided is completely submerged so that it will not suck air and damage the pump.

Skimmer vac plate vacuum control adjusters

Some pool owners use one of a variety of manufacturer's skimmer vac plates. Some have a vacuum control adjuster, and some do not. The adjuster could be a screw-type, a spring loaded apparatus, or a dial design. For those vac plates with adjusters, it is important to adjust them when fine tuning the vacuum for the cleaner.

To install the eyeball diverter

The water flow from the return line can push the PoolShark's hose, causing the PoolShark to steer away from the return line or to remain in one area of the pool. To correct this, adjust your existing return line diverters or install the eyeball diverters supplied with the PoolShark as follows:

- A. Turn off the main circulation pump.
- B. Unscrew the lock rings from the pool's return line fittings and remove the original eyeball diverters.
- C. Replace them with the PoolShark's eyeball diverters.

WARNING

Pool pump suction is hazardous and can cause entrapment with severe personal injury or drowning. Use regulator in pool cleaner system at all times.

NOTICE: Each pool's hydraulic system and vacuum connections are different. Be sure you have installed the regulator before you "fine-tune" the system. This not only regulates vacuum, but also acts as a safety device.

About "Fine-Tuning" Vacuum Adjustments and Connections

Suction entrapment, injury, and drowning hazard. If your pool has a dedicated suction port ("vac port") for vacuuming or for an automatic pool cleaner, it must be covered when not in use. Purchase a spring loaded safety cover from your local pool store and install it on the suction port to prevent entrapment and injury.

For the **"NOVICE POOL OWNER"** where vacuuming is a new experience, please read all of the following points, the installation instructions, and the trouble shooting guide carefully. Please note the following:

- "Vacuum" and "suction" are two words meaning the same thing.
- "Dedicated suction line", "vac port", and "vac fitting" are different terms for a hole in the side wall of pool; this hole is connected to the pump suction and is dedicated to vacuuming.
- Some pools do not have a vac port. If your pool does have one, please read the "Suction Entrapment" warning, above.

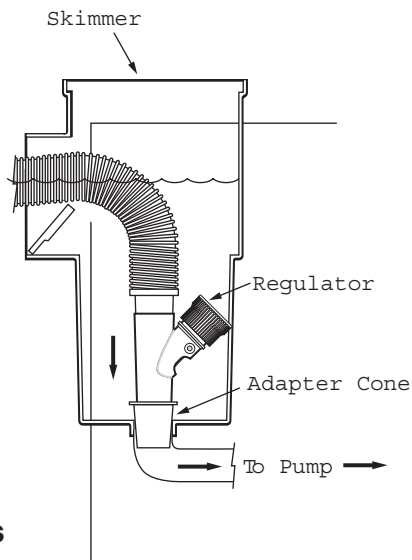
For the **"SEASONED POOL OWNER"**: The automatic pool cleaner connection and vacuum adjustments can be similar to using your manual pool vacuum. Please read on.

Valves (pump, skimmer, and main drain) and vacuum adjustments

You may need to spend some time adjusting the skimmer and main drain valves in order to obtain the best vacuum setting for good cleaner operation.

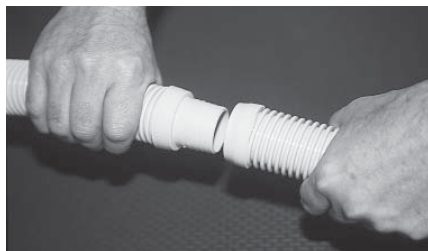
Step 7: Pools with only a Skimmer

1. Turn off the pool pump.
2. Place the regulator in the skimmer as shown. Do not install the cap. Use the adapter cone if needed.
3. Submerge one length of hose so it becomes filled with water.
4. Insert the “male” end of the hose into the regulator.

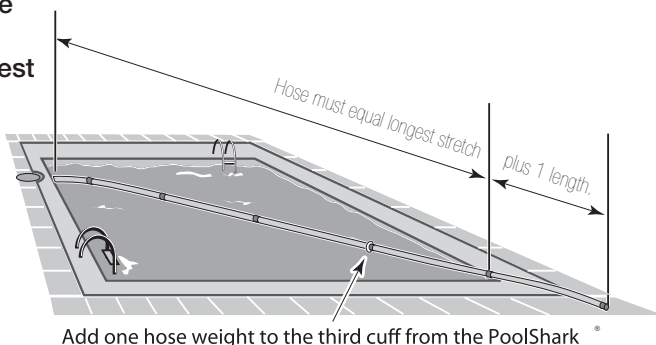


Step 8: Connect the hose sections

For best results and to maintain proper operation, use only original hoses, or direct replacements. Join the hose sections one to another by fitting the male end to the female end of the added section. Make sure the connections are snug. The number of lengths that you will need depends on the size of your pool.



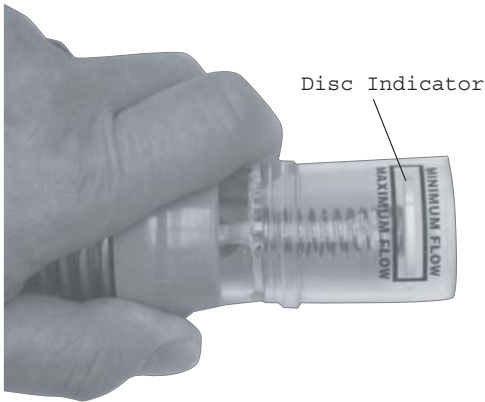
The overall length of hose needed will be the distance from the point at which you will attach the hose to the suction connection, to the furthest point in the pool from, plus one hose length.



Submerge the hose so it fills with water and expels air from the hose. Attach one end of the hose to the vacuum source as described in Steps 2 and 3. Keep the other end of the hose accessible.

Step 9: Adjust flow

1. Insert the flow gauge into the open end of the hose, still underwater.
2. Start the pump.
3. Turn the adjustment knob on the flow regulator until the indicator on the flow gauge is between the maximum and minimum flow.



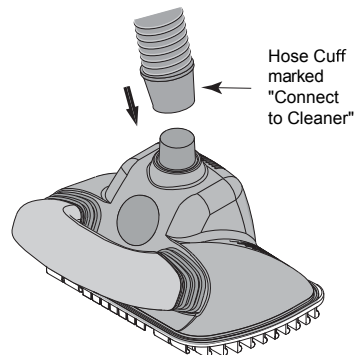
NOTE: If you have a very strong pump and the flow is still too fast, slightly open the main drain.

4. Turn off the pump.
5. Remove the flow gauge and attach the hose to the cleaner.

Step 10: Connect Hose to Cleaner.

Connect the hose cuff of the 14" (0.36m) hose to the cleaner (correct end of hose is marked). Add other hose sections. Fill the cleaner with water and let it sink to the bottom.

Verify hose connections as shown on the following page, and that gate valves are fully open in the suction line.



Service & Maintenance



Hazardous suction. Suction through the PoolShark can entrap bathers, causing severe injuries or drowning. Do not operate the PoolShark cleaner while people are using the swimming pool. Do not allow anyone to play with the PoolShark or its hoses.

Your PoolShark can stay in the pool at all times except during chemical shock treatments. However, when people are using the pool, disconnect the PoolShark and pull it to one side of the pool.

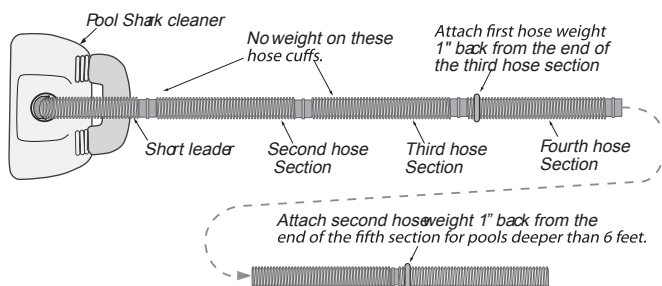
The PoolShark requires almost no maintenance. Manually open and close the regulator valve from time to time to flush away accumulated dirt and debris and ensure smooth operation. Also, from time to time, visually inspect the PoolShark to be sure that:

- The oscillator moves freely and is not obstructed by debris.
- The vacuum pad is not excessively worn. When the traction pads on the bottom have worn down, it's time for replacement.

NOTICE: When storing the PoolShark, do not coil the hose. Instead, lay it out straight and flat in an area protected from direct sunlight. Use only a genuine PoolShark hose. The warranty is void if the cleaner is operated with other than a genuine PoolShark hose.

Balancing the hose

It may or may not be necessary to add weight to your hose, depending on your pool's size, shape, and depth. Try the cleaner first without any hose weights. If the hose is too buoyant, add the weight as shown below.



IMPORTANT

Please attach your sales invoice/docket here as proof of purchase should warranty service be required.

Please do not return Warranty - Retain for your records.

Purchased From

Purchase Date..... Serial No..... Model No.....



Rainbow Pool Products

PO Box 2388, Mansfield Qld 4122

Telephone STD 61-7-3849 5385

Facsimile STD 61-7-3849 5384

Email: info@rainbowpoolproducts.com.au

Web: www.rainbowpoolproducts.com.au

© information contained here-in remains the property of Pentair Water Pty Ltd. Any reproduction, display, publication, modification or distribution is strictly prohibited without the prior written permission of Pentair Water Pty Ltd.

Disclaimer: Every endeavour has been made to publish the correct details in this Owner's Manual. No responsibility will be taken for errors, omissions or changes in product specifications. Pentair Water reserves the right to change specifications