

AUTOMATIC **BARACUDA** VACUUM CLEANER



INSTALLATION AND USER GUIDE



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EN

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Thank you for choosing our product and trusting our company. To help you to get the maximum pleasure from using this product, please read these instructions carefully before use and strictly follow the user's manual to prevent damage to the device or unnecessary injuries.

Mounting

1.

Take the body of vacuum cleaner and its components out of the box and make sure that the packaging includes all the required components. See picture.1

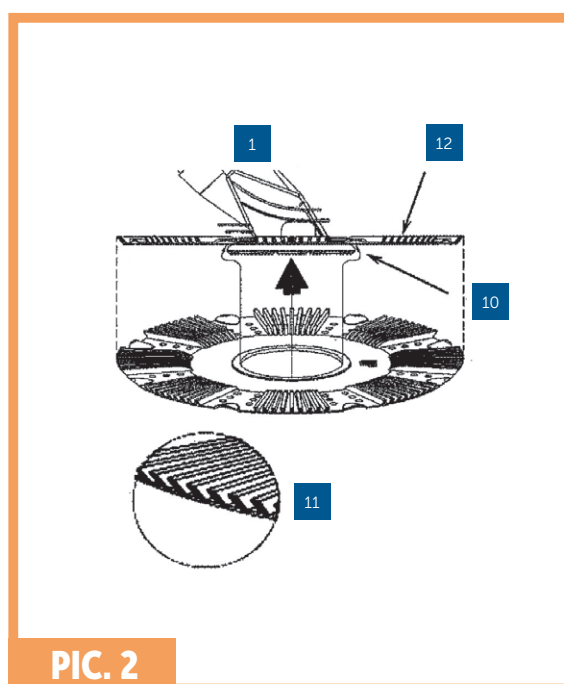
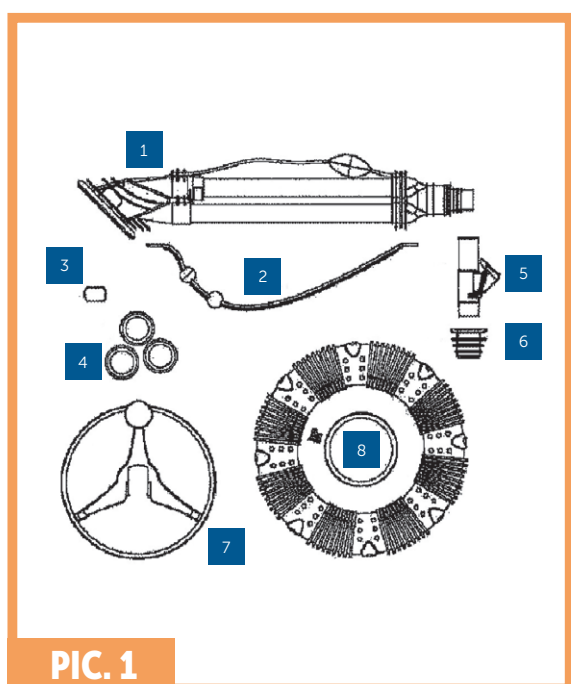
List of parts

Item	Product Description
1.	Body of vacuum cleaner
2.	Immersion controller
3.	Ball rectifier and external ring
4.	Hose weight
5.	Automatic flow controller
6.	2" adapter
7.	Deflector
8.	Folded sealing
9.	10 metre long hose (not in the picture)
10.	Flange
11.	Membrane cleaner
12.	Folded sealing in the groove

Step 1: Fitting the sealing

When fitting the sealing, turn the folded sealing up towards the body of the vacuum cleaner, put the sealing over the disc (flat side towards the bottom of the pool) and stretch carefully until it locks into the groove on the other side, as shown in picture 2. The sealing must be placed on flat side down, the folded side up. When it is placed correctly, it turns smoothly.

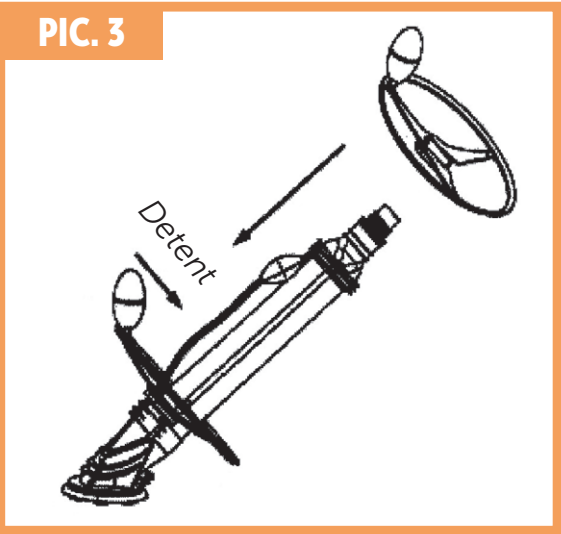
The sealing cannot be used the other way round. The elevated folds of the sealing must point upwards. The flat side of the sealing should be reversed down against the pool wall.



Step 2: Connect the deflector

Insert the bottom end of the lamellae into the groove on the body of the vacuum cleaner. Insert the top end of the lamellae into the locking clip attached to the nosepiece. See picture 3.

PIC. 3

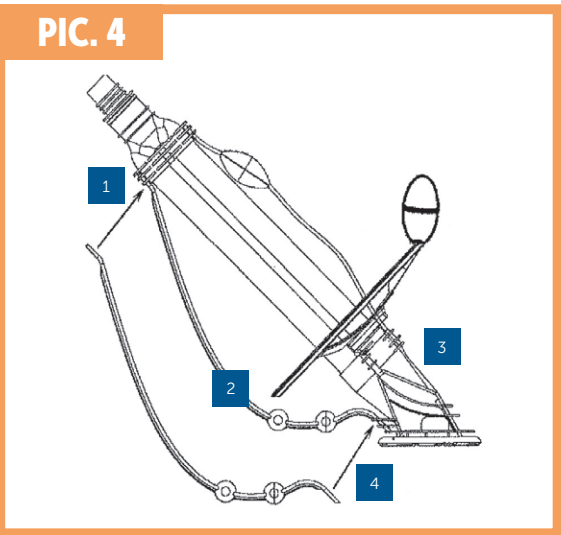


Step 3: Connect the immersion controller

Fix the immersion controller into the bottom sleeve of the U shape. Make sure that the protective locking clips on both sides of the immersion controller are in the locking position. See picture 4.

Item	Product Description
1.	Terminal latch
2.	Folder padding in the grove
3.	Flat latch
4.	Flat latch

PIC. 4

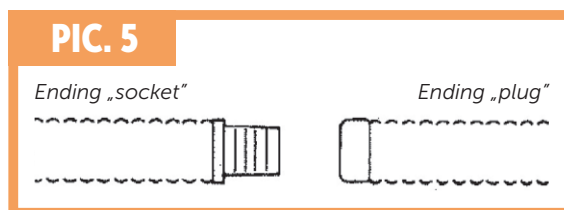


Step 4: Attach the weights on the hose and assemble it

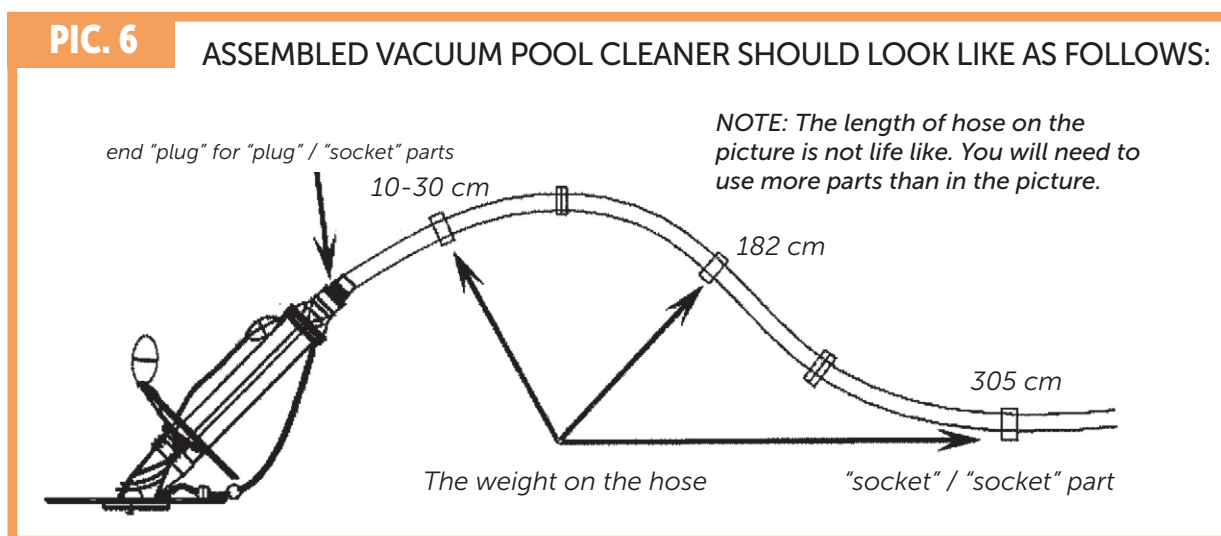
The vacuum cleaner hose is delivered in parts that must be assembled. You will need enough parts to reach the furthest part of the pool from the point of the connection of the vacuum cleaner, plus one additional piece. You will also have to add the weights onto the hose so that the hose is not floating on the water. The amount of weights required is determined by the maximum depth of the pool. The deeper the pool is, the more weights you will need. The number of weights suitable for your pool is explained in Table A.

Depth of the pool	Positioning the weights
120 cm or less	1 weight: 10 to 30 cm from the nosepiece
more than 120 cm	2 weights: one 10 to 30 cm and one 182 cm from the nosepiece
more than 210 cm	3 weights: one 10 to 30 cm, one 182 cm, one 305 cm from the nosepiece
more than 365 cm	4 weights: one 10 to 30 cm, one 182 cm, one 305 cm and one 365 cm from the nosepiece

Moisten both ends in the pool and tie them together by turning. See picture 5. Repeat the process until you put together the amount of parts required. When you have tied the weights onto the hose according the instructions in the Table A, connect the hose to the vacuum cleaner. See picture 6.



One part has two “socket” endings and the hose protector. This part should be assembled last and should be attached to the vacuum cleaner in the pool.



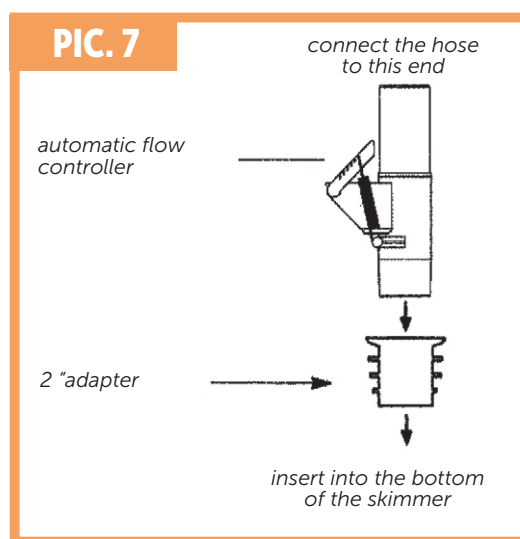
Installation

2.

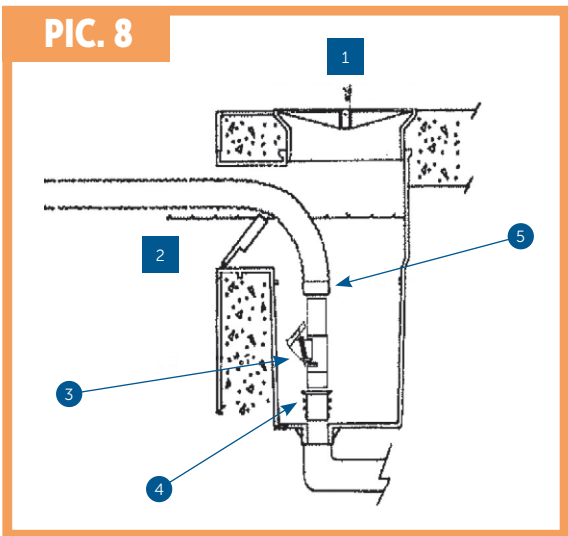
The vacuum cleaner is designed for use in many different kinds of pools. Therefore, it includes a wide range of different components (e.g. a 2" adapter and the valve cover for the automatic flow controller). Whether you need all of these components depends on the specific parameters of your pool. This instruction manual describes the standard installation for the skimmer, and the possible installation to the vacuum pipe. Please refer to both to find out the most suitable solution for your pool and follow the instructions.

Standard installation

Recommended for pools with one skimmer and an automatic flow controller. The advantage of this installation is that the automatic flow controller automatically balances the flow between the skimmer and the vacuum cleaner. We strongly recommend using the automatic flow controller to ensure the maximum safety and power of the vacuum cleaner. The valve automatically reacts to the changes of the flow thereby allowing changes in the power of the vacuum cleaner necessary for providing the required cleaning effect.



1. Turn the pool pump off.
2. Close the main outlet and all other drainage pipes except the pipe from the skimmer to which the vacuum cleaner will be fitted
3. Remove the skimmer basket.
4. Push the 2" adapter into the opening in the bottom part of the skimmer, see picture 8.
5. Push the automatic flow controller into the 2" adapter. The end of the controller labelled "Connect the hose to this end" must point upwards.
6. Place the vacuum cleaner in the pool and let it sink to the bottom. Insert the hose down until it contains water and no air.
7. Insert the end of the hose through the opening of the skimmer and connect the hose directly to the automatic flow controller.



Item	
1.	Top part of the skimmer
2.	The hose led through the opening of the skimmer
3.	Automatic flow controller
4.	2" adapter
5.	Connect the hose to this end

3.

Settings

After completing the installation run the pool pump. Let the pump run for several minutes to empty the air from the system. The vacuum cleaner should move around the pool at a speed of 240-360 cm per minute. Now, check the following settings of the vacuum cleaner.

Length of the hose

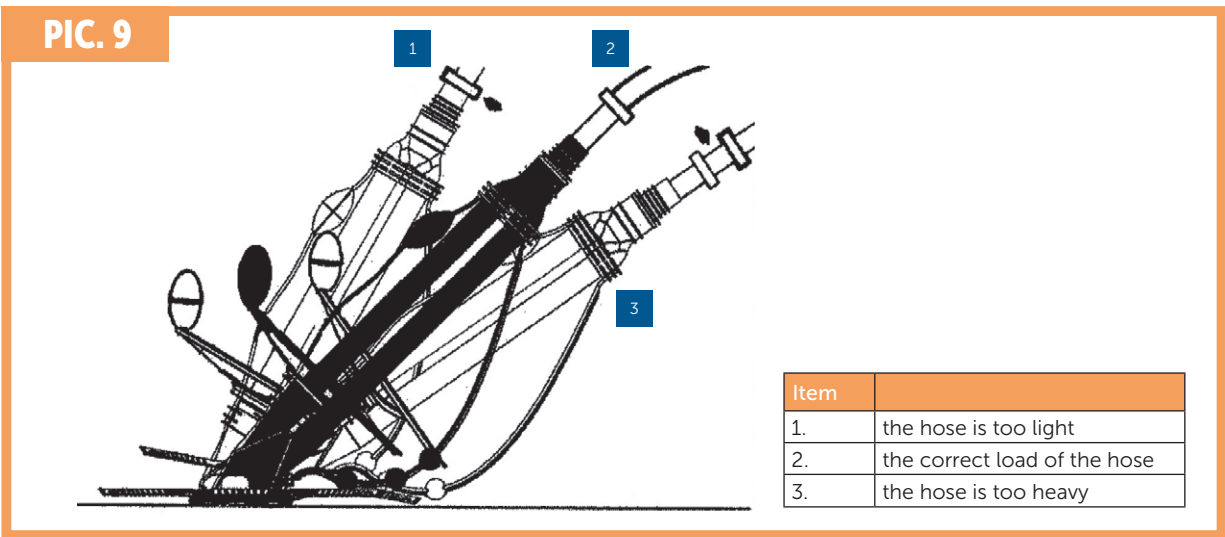
IMPORTANT: While checking the length of the hose, the pump must be running. When the pump is running, the hose is shortened, when the pump is switched off, the hose is longer. When the vacuum cleaner is running, place it the furthest possible from the connection point. (You can move the vacuum cleaner easily in the pool by means of the bar and the brush.) The hose of the vacuum cleaner should be long enough to reach the end of the pool, plus one additional piece of the hose. If necessary, remove the excess parts from the middle part of the hose. By removing the parts from the middle part of the hose, you avoid the necessity of removing the weights. Store the extra parts in case of a possible replacement. **NOTE: While adding or removing the parts of the hose, turn off the pool pump.**

Balancing the hose

To determine the appropriate setting of the weight of the hose, turn off the pump and watch the vacuum cleaner. The load of the hose is correct at the time when the disc is flat on the bottom of the pool and the immersed pipes are at an angle of 45° with the floor, see picture 9. For the vacuum cleaner to clean most effectively, the hose must not be pulled down nor lifted. Move the weight on the hose inch by inch, until you reach the correct load. In pools with different depths, first set the hose in the deep part and then in the shallow part.

Check if the immersion mechanism moves freely and if the immersed controller is installed.
(See page 3 – How to install the immersion controller.)

Shorten the deflector by 1.27 cm (Pull the top end of the deflector from the locking clip connected to the nosepiece. Shorten it by 1.27 cm, then put it back into the locking clip.)



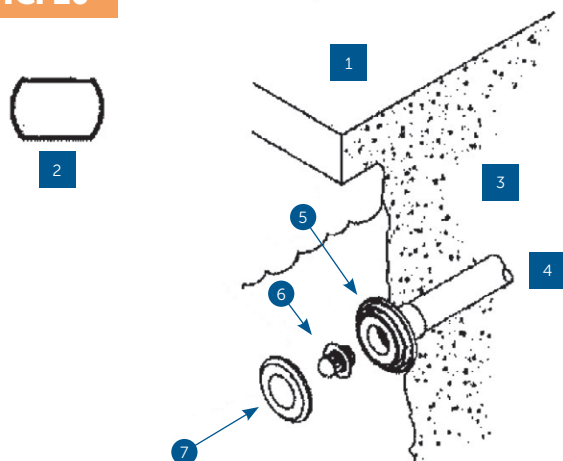
- 1. The hose is too light.**
The hose is too light. If the hose goes up towards the surface at an angle bigger than 45°, move the weight closer to the vacuum cleaner or move the first two weights closer together.
- 2. The correct load of the hose.**
- 3. The hose is too heavy.**
If the hose is dropping at an angle smaller than 45°, move the weight away from the vacuum cleaner or move the first two weights further apart.

IMPORTANT: The return flow of the water may put pressure on the vacuum cleaner hose and affect its performance. It may displace the vacuum cleaner from the end of the pool where the return pipe is placed, or may cause the vacuum cleaner to remain only in one part of the pool. To avoid this, use the ball rectifier that is a part of your vacuum cleaner.

Installation:

First make sure that the pool pump is switched off.
Replace the original rectifier of the vacuum cleaner with the pool rectifier.
Replace the retainer ring and tighten it. Make sure that the opening of the ball rectifier is at the correct orientation before fully tightening. See "Position of the ball rectifier."

PIC. 10



Item	
1.	walkway around the pool
2.	ball rectifier
3.	pool wall
4.	return pipe
5.	joint coupler
6.	ball rectifier
7.	retainer ring

Position of the ball rectifier

Point the opening of the rectifier to divert the flow of water to where it will not obstruct the movement of the vacuum cleaner. Try out different positions in order to find out which one is the most suitable for your pool:

- The flow directed along the pool walls (in the direction of the tiles)
- Flow directed downwards
- The flow directed against the hose will help move the vacuum cleaner from obstacles such as steps and ladders

After installing the ball rectifier, turn on the pump. The vacuum cleaner should start to move at the bottom of the pool and clean the dirt.

Basic Troubleshooting

4.

With regard to the individual features of your pool, there might be other settings that need to be performed in order for your vacuum cleaner to operate to the maximum extent.

If you feel that there is problem, make sure that :

The main drain in the pool is closed	Close the drain
Is the filter clean?	Clean the filter.
Is the basket strainer clean?	Clean the basket strainer.
Has the dirt blocked the bottom part of the vacuum cleaner?	Remove the dirt.
Is the hose leaking?	Replace the leaking parts.
Is there dirt in the automatic flow controller?	Clean the valve.

The vacuum cleaner does not move or change course

- Make sure that the main drain and all other suction pipes are shut – except the intake to which the vacuum cleaner is connected.
- Check that there isn't any dirt in the filter or in the basket of the pump.
- Make sure there isn't any dirt in the safety valve of the vacuum cleaner. It might hinder the movement or restrict the flow.
- The pump and the filtration system of the pool might be too small (not able to ensure the flow of 4.5 m³/h) Consult a swimming pool expert.

The vacuum cleaner remains in one end of the pool

- Check the return flow and divert it as necessary using the ball rectifier.
- Check that the hose is sufficiently long and reaches the bottom of the pool.
- Check that the hose is properly weighted.

The vacuum cleaner stops on the main drain

- Check that the main drain is shut. You might need help from a swimming pool expert.
- Make sure that the grill is installed on the main drain.
- If the main drain is not at the same level as the bottom part of the pool, consult a swimming pool expert.

The vacuum cleaner slows down or stops and there are air bubbles in return pipe

- Find and fix the air leak causing the loss of the pump's power.
- Check if the hose leaks.
- Check the vacuum connection. It should be immersed in order not to take any air into the system.
- Check if the cover of the pump's basket is not loose, cracked, worn or missing the O-rings. If you need help, consult a swimming pool expert.

If the vacuum cleaner draws in air or remains on the surface

- Make sure that the immersion mechanism moves freely and that the immersion controller is installed. (See picture 4 – How to install the immersion controller.)
- Check if the automatic regulator valve is properly installed. Make sure it isn't blocked with dirt.
- Make sure that the water level is at least 8 cm under the edge of the pool.
- Check if the vacuum cleaner moves at an appropriate speed 240-360 cm per minute.

If the vacuum cleaner remains by the steps in the shallow end

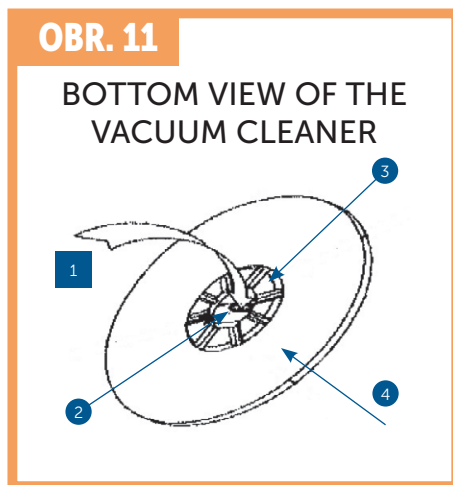
- Check the return flow and divert it as necessary using the ball rectifier.
- Check if the automatic regulator valve is properly installed and it isn't blocked with dirt.
- Check if the hose is long enough to reach the furthest point of the pool including the stairs.
- Check if the hose has an appropriate load for the shallow end of the pool.
- Check if the vacuum cleaner moves in an appropriate speed of 240-360 cm per minute.

If the vacuum cleaner always comes back to the same place

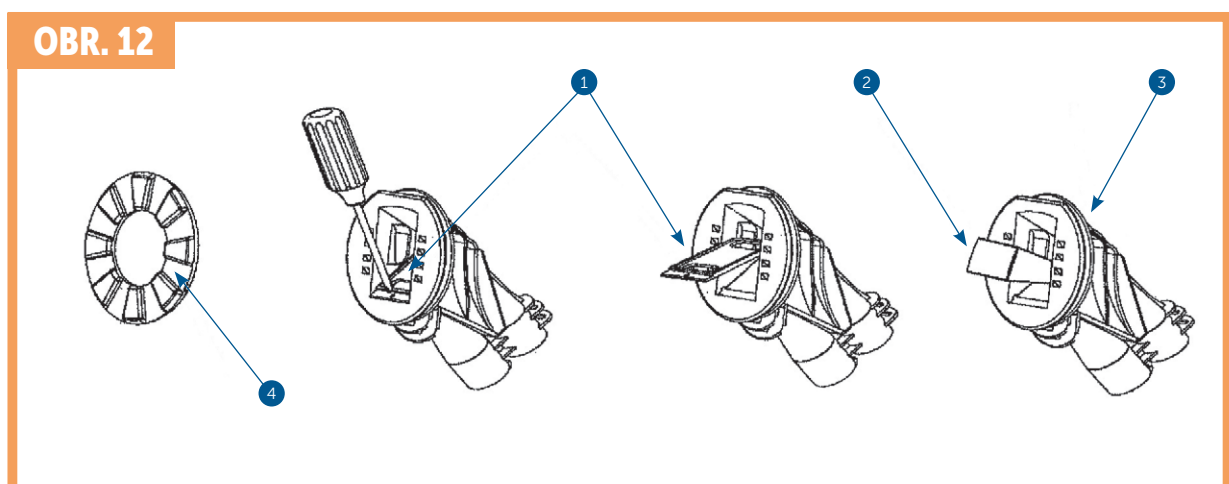
- Check the swivel joint placed on the top part of the vacuum cleaner. It should revolve freely.
- Check the return flow and divert it as necessary using the ball rectifier.
- Check if the hose is not bent or broken. A single bend or a break can prevent the coverage of the cleaning surface. Lay each part of the hose on the edge of the pool (or other level surface). The hose should remain perfectly straight and smooth. If you pull the vacuum cleaner up from the pool, do not roll the hose up because it has a shape memory and it would remain bent or kinked.

Removing the dirt from the safety valve

- It may occur that the dirt blocks the bottom part of the vacuum cleaner and stops the movement of the safety valve or reduces the flow. The safety valve is placed inside the body of the vacuum cleaner and must constantly move freely. You can see the safety valve through the opening in the deflector when you turn the vacuum cleaner upside down, as you can see in picture 11. Hold the valve and move it to and fro or rinse the opening using a hose to remove all dirt from the inside of the vacuum cleaner's body.
- If you fail to remove the dirt in this way, you must dismantle the valve. First take the four covers from the bottom part of the disc, unscrew it and remove from the vacuum cleaner body. Then remove the screw from the deflector, pull it out and finally take out the safety valve. See picture 12.
- When the dirt has being removed, put the valve back into the vacuum cleaner body, fasten the deflector in place and secure it. See picture 12.



Item	
1.	clip is inside
2.	deflector
3.	bottom of the disc
4.	folded sealing



Item	
1.	deflector
2.	safety valve
3.	body of the vacuum cleaner
4.	disc (no need to remove it)

Maintenance

The vacuum cleaner requires almost no maintenance. Look over it from time to time and make sure that the safety valve moves freely and there is no dirt preventing its movement, the disc is not too worn. If the disc is too worn after moving along the bottom, it is time to change it.

When storing the vacuum cleaner, do not roll up the hose. Leave it lying flat on the ground in a sheltered place protected against direct sun. If you disconnect the parts of the hose, try to leave the weights in place.

The vacuum cleaner hose is specially designed to ensure optimal cleaning performance. If you need to change it use only original parts.

Disclaimers for your pool and vacuum cleaner

The life of your pool is influenced by many factors. The automatic vacuum cleaner is a passive product that won't have any influence on life of the pool.

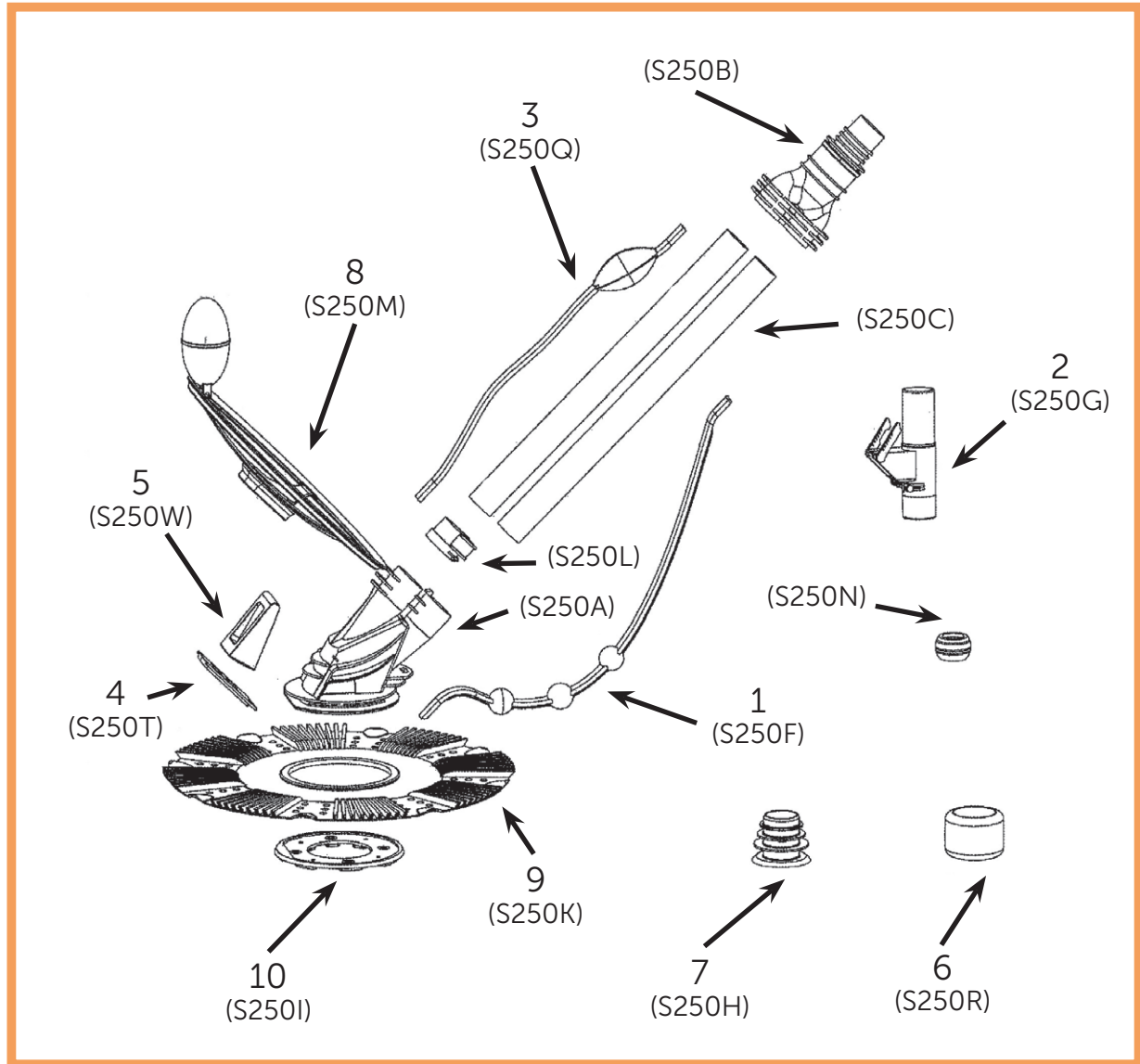
Please be aware that over time damage, discolouration and peeling off the paint due to aging may occur caused independently or combined with ageing, water composition imbalance, incorrect installation or other factors. The automatic pool vacuum cleaner will not remove nor cause wear of the "good" pool tiling. In fact, the pool tiling will eventually cause the vacuum cleaner to become worn out.

The same is valid for vinyl tiling for embedded pools because the vinyl surface is also influenced by its surroundings and factors (water chemicals, sunlight and the quality of the retaining walls and foundations. In case this situation occurs, please, bear in mind that it is not caused by the vacuum cleaner. The manufacturer declines all responsibility for repair or replacement of any components of the customer's pool.

The pool owner must assume the responsibility for the condition and maintenance of the surface of the pool water and the pool edge.

List of components

5.



Item	Product Description	Part No.	Product code
1	Immersion controller vac. Baracuda (73250F)	S250F	BXNDB003
2	Automatic flow controller vac. Baracuda (73250G)	S250G	BXNDB009
3	Stabiliser vac. Baracuda(73250Q)	S250Q	BXNDB002
4	Flap vac. Baracuda (73250T)	S250T	BXNDB006
5	Stopper vac. Baracuda(73250W)	S250W	BXNDB005
6	Weight for Baracuda vac. hose (73250R)	S250R	BXNDB011
7	Rubber adapter 2" for vac. Baracuda (73250H)	S250H	BXNDB010
8	Deflector for vac. Barracuda (73250)	S250M	BXNDB004
9	Rubber brush for vac. Baracuda (73250K)	S250K	BXNDB007
10	Vacuum flange Baracuda (73250I)	S250I	BXNDB008

6.

Warranty conditions

Warranty conditions

The warranty conditions are governed by the commercial and warranty conditions of your supplier.

Safe liquidation of the product at the end of its useful life

Once the product's useful life has ended, please ensure its ecological liquidation by a specialised company.

Complaints and Service

Claims are governed by the relevant acts on consumer protection.

In the event of any irreparable defects, please contact your supplier in writing.

Date

Supplier

Notes

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for using ALBIXON
products



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