The Pool Shoppe

Operating Instructions For

AquaVac

Presentation:

Congratulations, you have just purchased our AquaVac automatic cleaner equipped with its own microprocessor. This handbook contains important information on the use and maintenance of your cleaner that you should read carefully before use.

AquaVac scrubs, vacuums, and filters your pool.

You do not need to install your cleaner or fit accessories to it. You just immerse it in the water and switch it on. AquaVac is fully automatic. The filter is very easy to clean thanks to its new patented cartridge. The Adaptive Seek Control Logic (ASCL) microprocessor optimizes cleaning for each pool size and each pool shape. AquaVac is equipped with an electronic self-diagnostic system and with electrical surge protection. A very simple steering system steers the appliance, with anti-corrosion bearings offering greater reliability.

General Use:

Take some time to become acquainted with your AquaVac by looking at the drawings (Figures 1 and 2). Throughout the handbook we refer to these drawings when we are talking about the various components of AquaVac.

1. Choose a 220-240 volt socket (outlet) that is close and protected from short-circuits. Fit a 30 mA differential protection device to protect people from electric shock caused by a possible break in the electrical insulation.
2. Install the power supply box (1) so that your AquaVac can reach all of the walls/surfaces of the pool. The power supply box should be at least 3.5 meters from the edge of the pool (Figure 1a). The standard length of the AquaVac cable is 18 meters.
3. Plug the floating cable into the power supply box, ensuring that the notch on the connector is aligned with the groove in the socket on the power supply, thread locking ring clockwise.

Caution: use the original power supply box only.

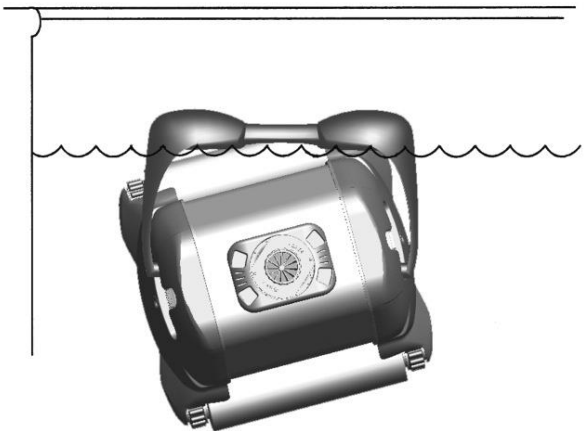
4. AquaVac has an adaptable handle (3). The handle should be locked in the diagonal position in order to guarantee optimum cleaning results. Reverse the position of the handle after use every time it is used (Figure 1b) to enable the cord to be wound up without twisting.
5. Place AquaVac in the pool. It will sink gently to the bottom of the pool as it gradually empties itself of the air that it contains.
6. Plug the power supply box into the socket and switch on the appliance. AquaVac will program a self-diagnostic test for a few minutes before it starts cleaning the pool.

Caution: DO NOT SWITCH AQUAVAC ON OUTSIDE THE WATER. You might damage the pump and render the warranty NULL AND VOID.

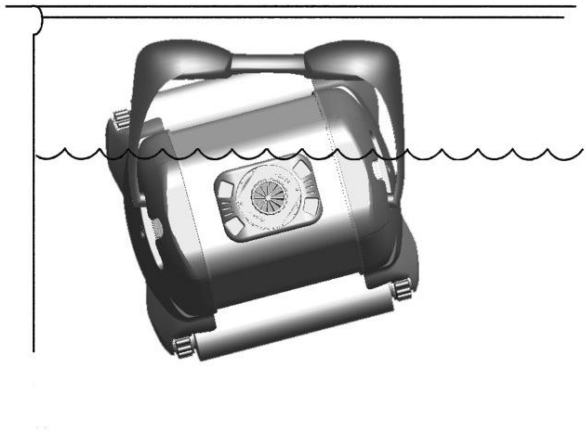
7. AquaVac switches off automatically after a 3-hour cycle. If your pool is clean in under 3 hours, you can switch off the cleaner by switching off the power supply box.
If a second clean is necessary, wait for 30 seconds before switching back on again.
8. Once the pool is clean, switch off the power supply box before you take AquaVac out of the water.
9. Take AquaVac out of the water from the shallow end of the pool by pulling the cable until the cleaner comes up to the surface. Then, lift it out gently by using the handle, NOT the cable. **CAUTION:** while pulling the cable, wind it in around both of your hands and above all not around your arm. To make AquaVac last, remove the water from it after use, every time it is used.

DO NOT GO INTO THE POOL WHILE AQUAVAC IS OPERATING.

Check the height of the waterline on AquaVac:
- Ensure that the filter is clean.
- Put the cleaner in the water and observe the height of the waterline on the cleaner. For this purpose, let it perform several cleaning cycles in order to determine an average height.
- Once the waterline is settled, if the cleaner regularly makes excessive rattling noises, takes air in through the bottom cover, climbs up the edge of the wall instead of going back the other way, or if it tends to stagnate in the same zone of the pool, it is probable that AquaVac is climbing too high: install the reducer kit.



Optimum waterline height



Incorrect waterline height

For the cleaner to operate properly...

The best water temperature for optimum operation of AquaVac lies in the range 10°C to 35°C. However, AquaVac can be used in water at a different temperature.
Regular cleaning of the filter cartridge after use, every time the cleaner is used, optimizes performance of the appliance. If AquaVac is struggling to climb up the walls of the pool, wash the filter and then resume pool cleaning.
Replace the brushes (12) when they are worn to maintain effective cleaning.
If granulated chemical products are used on a daily basis in the pool, we recommend using a floating or automatic metering feeder because such a feeder retains the calcium sediment that is sometimes contained in that type of product.
It is recommended not to use AquaVac before all of the chemical powders are not dissolved because they could clog the filter.
In a hard-water pool, more frequent cleaning of the filter is advised. Keep the AquaVac packaging for storing it or transporting it (in case any repairs are necessary).
The motor unit (13) and the power supply box (1) do not contain any parts that are of use to the user. If they are opened the warranty automatically becomes **NULL AND VOID**.

AquaVac Quik Clean & Full Cycle Options

Quik Clean Cycle: Upon switching power supply on, the “Quik Clean” program is automatically selected. The “Quik Clean” light, situated on the control box, then comes on. In this mode, AquaVac will switch off automatically after 90 minutes.

Full Cycle (3 hours): In order to select the normal program, please press the “Full Cycle” button on the power supply. The light situated above the button comes on and indicates that the “Full Cycle” program is running. In this mode, AquaVac will switch off automatically after 3 hours.

If the economy mode is finished, you should switch off AquaVac and then switch it back on in order to select normal mode: normal mode can be selected only during an economy cycle.

Maintenance

1- Clean the cartridge of the filter after use, every time the cleaner is used:
Lay AquaVac on its side. Undo the fastenings of the bottom cover (6) (Figures 1c-1d) and remove the bottom cover assembly (7) (Figure 1e)
Remove the filter cartridge. If your filter is in 3 parts (ref. RCX70100), remove each element and clean it thoroughly using a hosepipe with a spray head so to remove all of the waste. Hold the elements as shown in Figure 1f to enable the waste to fall off.
Wash the inside of the bottom cover.
Put the filter cartridge back (Figure 1g)
Fit the bottom cover and re-engage the fastenings.
2- Clean the moving parts frequently.

CAUTION: Unplug the power supply box before performing this cleaning operation.

Inspect the orifice of the pump to check that no waste or hair is obstructing the Venturi tube. It can be cleaned by removing the tube (9) and by turning it (Figure 1h). Clean off all of the waste that has built up between the tracks (10) and the wheels (11).

Storage:

When it is out of the water, lay AquaVac on its side in a dry and shady place at a temperature between 5°C and 46°C (Figure 1i)

Maintenance for the cable:

After a while and with use, the cable can become twisted (like a telephone cord). To remedy this, wedge the handle in the opposite diagonal position (Figure 1b). AquaVac will then turn in the pool in the opposite direction and the cable will untwist itself. It is also possible to pull regularly on the cord in the sun in order to solve the problem.
Above all, remember to reverse the position of the handle after use, every time the cleaner is used.
IMPORTANT: check the cable regularly to make sure that it has no external damage.

SOLUTIONS TO FREQUENTLY ASKED QUESTIONS:

AquaVac WILL NOT CLIMB THE WALLS

Clean the filter. It might be clogged or too heavy due to waste or too much algaecide being present.
The brushes might be worn. Examine them and change them if necessary.
Check the electrical installation and make sure that the voltage is correct: 220-240 V AC 50/60Hz
The water temperature should be greater than 15°C, otherwise the PVC brushes might stiffen and affect AquaVac's ability to climb the walls.
Replace the PVC brushes with foam brushes. Ensure that the handle is in the diagonal position.

AquaVac HAS LOST SUCTION

Clean the filter. It might be clogged and be preventing suction.
Check that the feeds in the bottom cover are not blocked, and clean them if necessary. Check the Venturi tube for any waste or damage. Clean or replace if necessary.
An intake that clips onto the bottom cover is available from your dealer. This makes it possible to achieve a higher speed and thus improved suction of small or heavy waste.

AquaVac STOPS SUDDENLY WHILE IT IS CLEANING

The Venturi tube might be clogged with waste. Check and clean if necessary, by following the instructions in the chapter on maintenance.
The bearings of the brushes or the tracks are stuck. Check whether there is any dirt; clean them if necessary.

Put the AquaVac back in the water and switch it back on. In order to protect the fragile components, AquaVac will cut out automatically if it is removed from the water.

AquaVac IS NOT WORKING ANY MORE

Check the socket for the voltage surge switch system to ensure that the power supply is correct.
Check the power of the power supply box per section (see below).
Check the floating cable per section

CHECKING THE POWER SUPPLY BOX

The power supply box is protected by an automatic circuit that interrupts the current. To switch it back on, move to the “OFF” position and then to the “ON” position.
The power supply box is equipped with an internal circuit. The voltage across terminals 1 and 2 of the power supply socket for AquaVac must be 24 V DC.

Warranty conditions:

All HAYWARD products are covered for manufacturing defects or material defects for a warranty period of 1 year as of date of purchases. Any warranty claim should be accompanied by evidence of purchase, indicating date of purchase. We would therefore advise you to keep your invoice.
The HAYWARD warranty is limited to repair or replacement, as chosen by HAYWARD, of the faulty products, provided that they have been subjected to normal use, in compliance with the guidelines given in their user guides, provided that the products have not been altered in any way, and provided that they have been used exclusively with HAYWARD parts and components. The warranty does not cover damage due to frost and to chemicals.
Any other costs (transport, labor, etc.) are excluded from the warranty.
HAYWARD may not be held liable for any direct or indirect damage resulting from incorrect installation, incorrect connection, or incorrect operation of a product.
In order to claim on a warranty and in order to request repair or replacement of an article, please ask your dealer.
No equipment returned to our factory will be accepted without our prior written approval.
Wearing parts are not covered by the warranty.

CHARACTERISTICS

Speed on floor	18 meters per minute
Floor coverage rate	5 m² per minute
Suction capacity	283 liters per minute
Ordinary consumption	0.78 amps
Weight	9.74 kg
Length and type of cable	16.76 meters, floating
Materials	High-impact ABS – metal parts: non-ferrous stainless steel

Motor Unit	PUMP	CONTROL	CARD
Speed (revolutions per minute)	2700	55	-
Voltage	24 V DC	22 V DC	5 V DC
Current (amps)	2.62	0.63	-
Sealing protection	double redundant radial shaft seal		
Box	sealed, waterproof, and made of high-impact ABS		
Voltage surge protection	automatic electronic system for interrupting current in the event of voltage surge		
Self-diagnostic system	memory self-test system – for use by authorized after-sales service personnel		

Filter

Type	removable, reusable, pleated cartridge
Material	pleated cellulose / polyester mixture
Porosity	5 microns
Area	64 cm

Operating control

Type	Adaptive Seek Control Logic (ASCL) microprocessor
Operating cycle	5 hours

Control system

Direct control with polyurethane tracks and stainless steel steering system

Power supply box

Voltage	120VAC
Outlet power voltage:	24 V DC
Power current	4 amps
Weight	3.76 kg

Transport

Dimensions of the cardboard box	height: 48.3 cm - Depth: 48.3 cm - Length: 48.3 cm
Total weight	15.9 kg

These specifications may vary depending on the type of pool and on the electrical installations. Although AquaVac has been tested to operate in a broad range of swimming pools, the manufacturer cannot guarantee that operation will be optimum in all types of pool.

Fig. 1

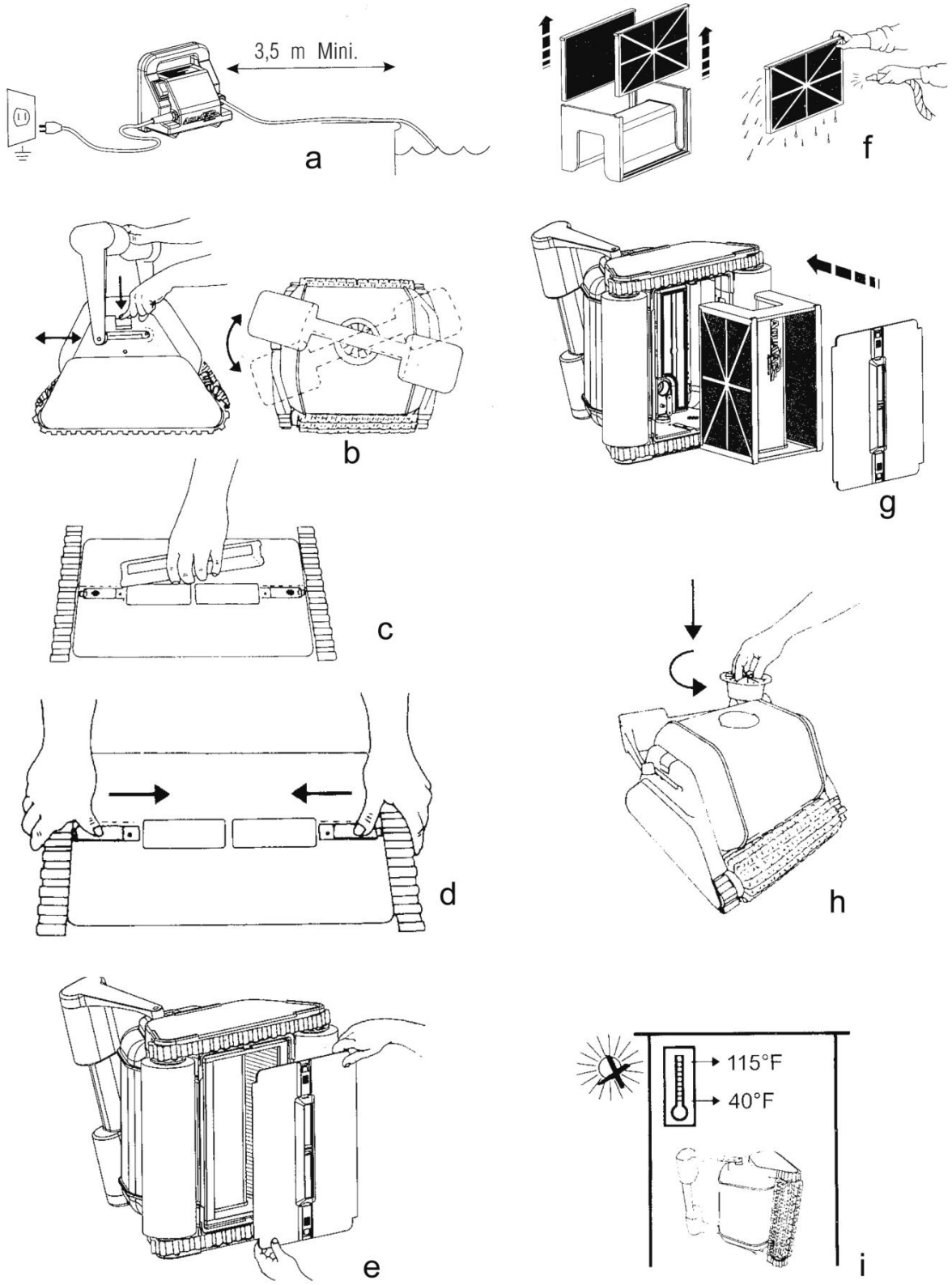
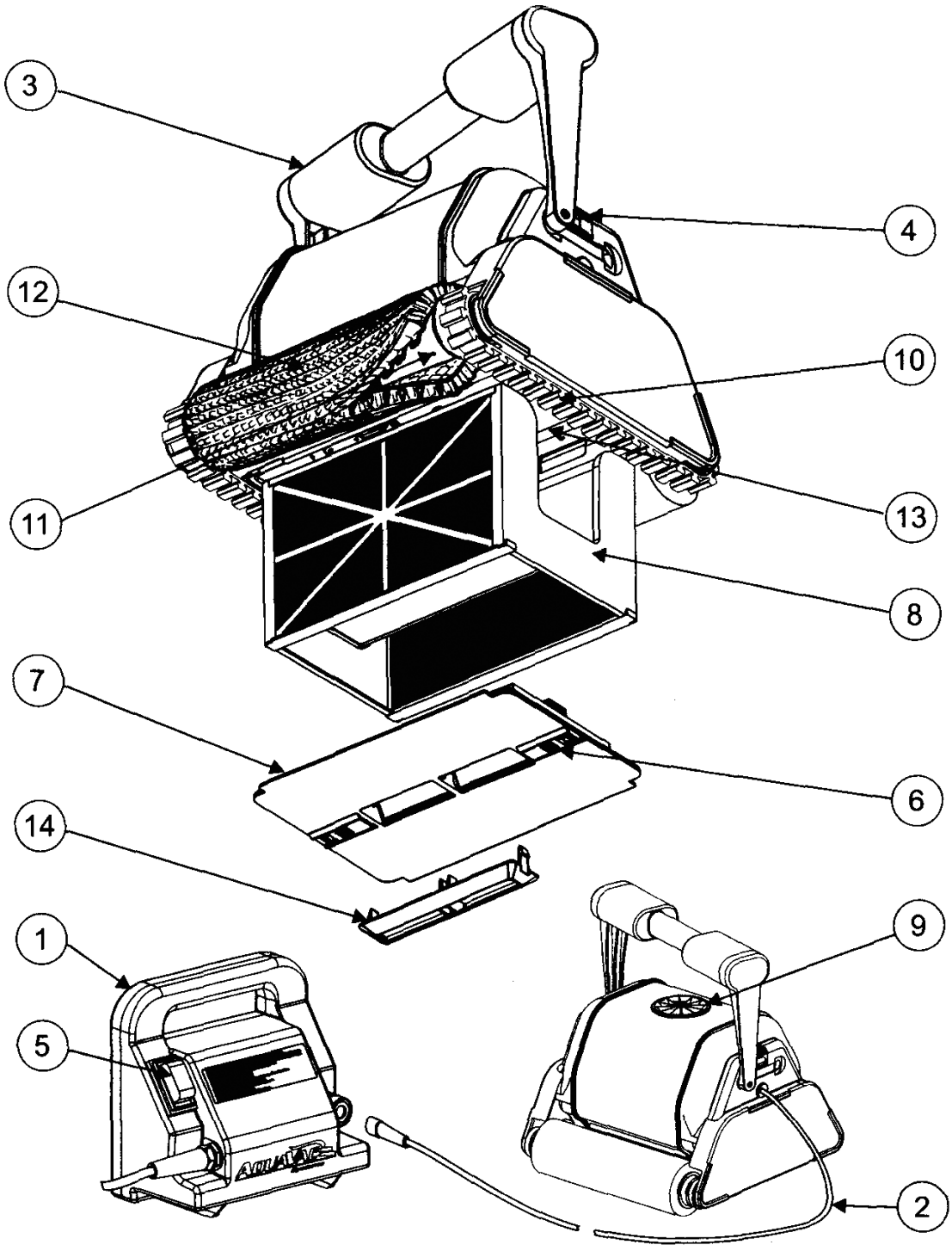


Fig. 2



1. Power supply box	**8. Filter cartridge box**
2. Floating cable	**9. Venturi tube**
3. Handle	**10. Track**
4. Handle adjustment notches	**11. Wheel**
5. ON/OFF button	**12. Spiky brush or foam brush**
6. Bottom cover latch	**13. Sealed motor unit**
7. Bottom cover assembly	**14. High-speed insert**