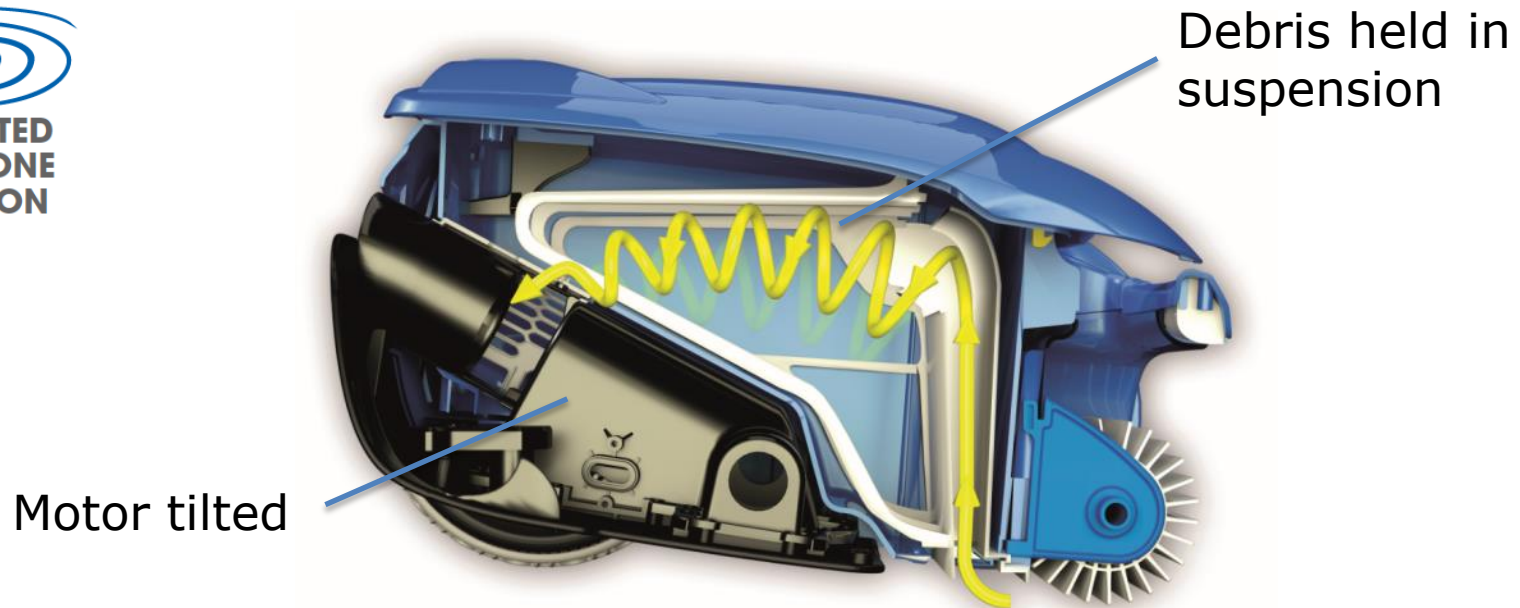




The platform

Cyclonic suction



- Limits filter clogging
- More power, less loss of suction



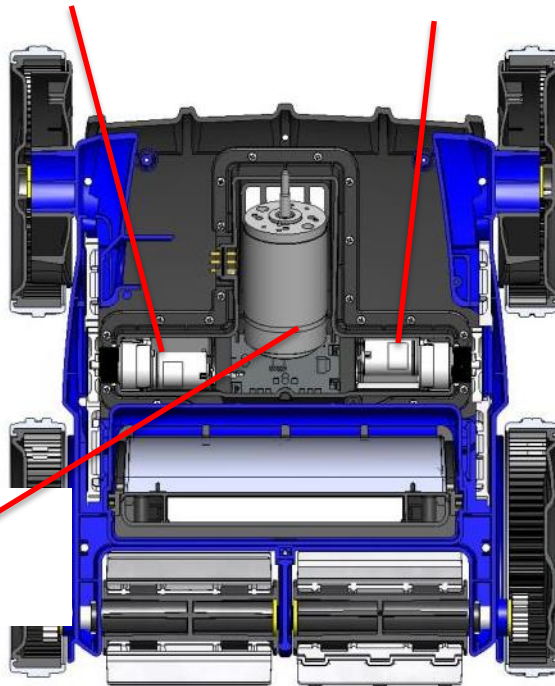
The platform

3 motors

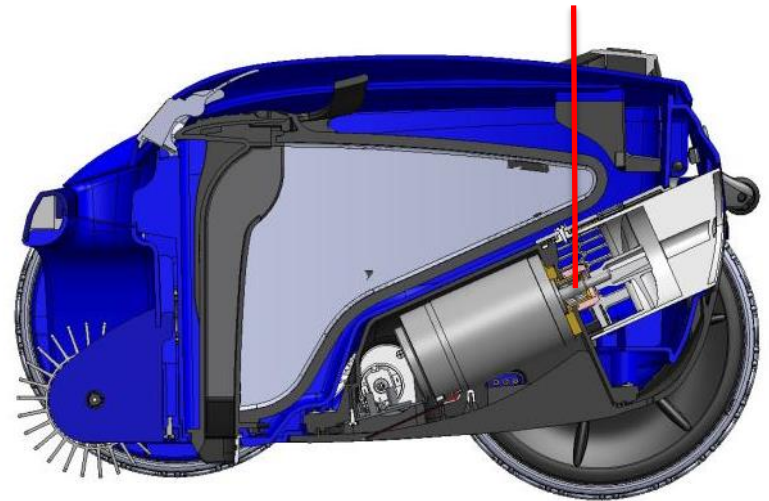
Traction motor 1

Traction motor 2

Pump motor



Suction pump motor -
Propeller tilted to 30°

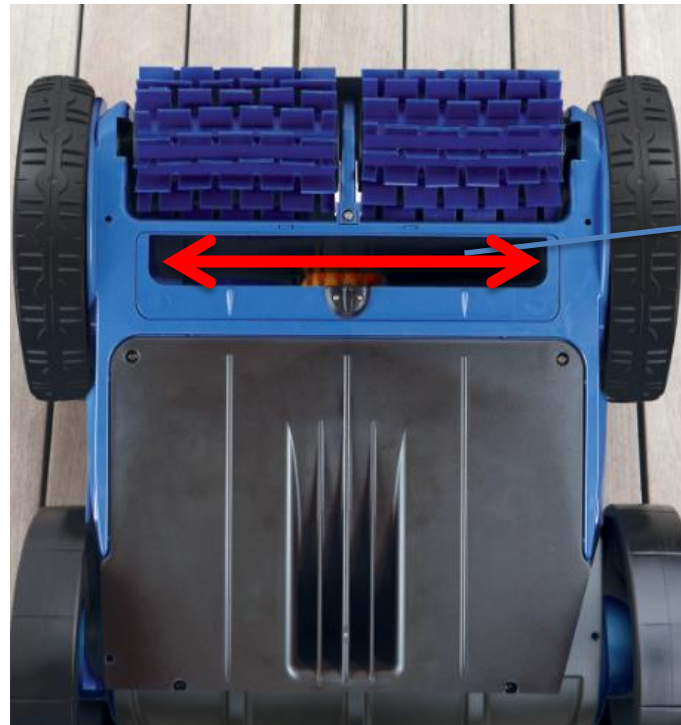


The cleaner is fitted with a tilt sensor (accelerometer)



The platform

Suction inlet



Extra wide suction
inlet (27 cm)

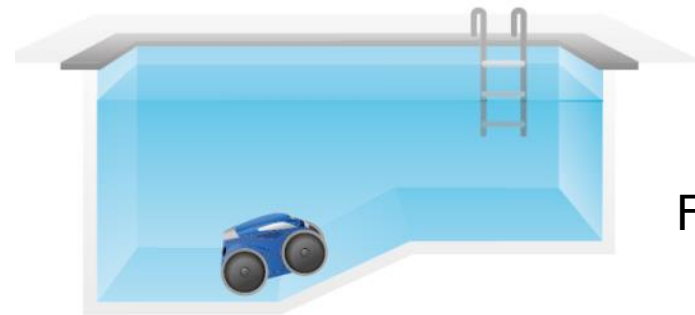


Easy suction for all types of debris

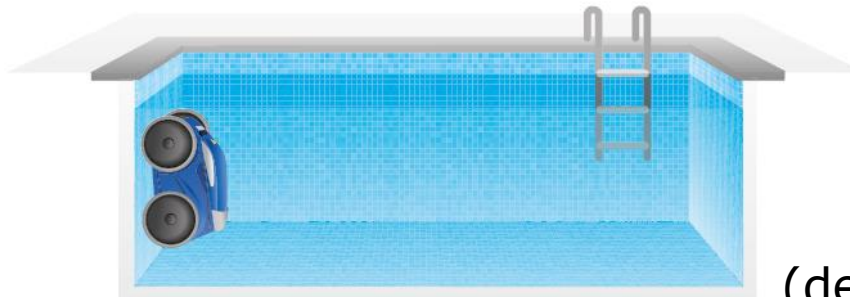


The platform

The driving wheels



Front driving wheels



Rear driving wheels
(depending on the model)



- Easier obstacle handling
- Better adhesion to the sides
- Optimised movement and coverage



The platform

The filter

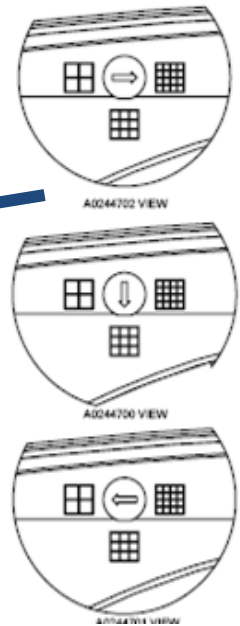
Easy access



Filtration level marker



Very large 5L capacity



3 filtration levels available:

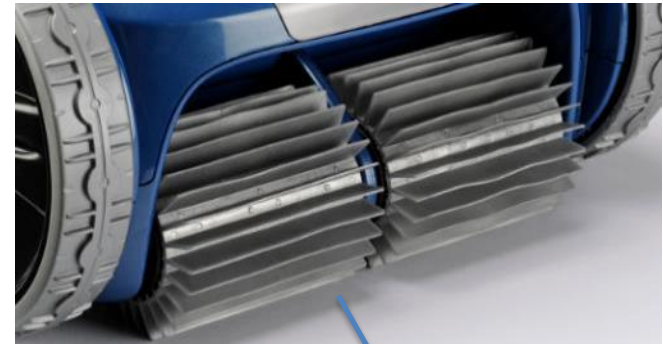
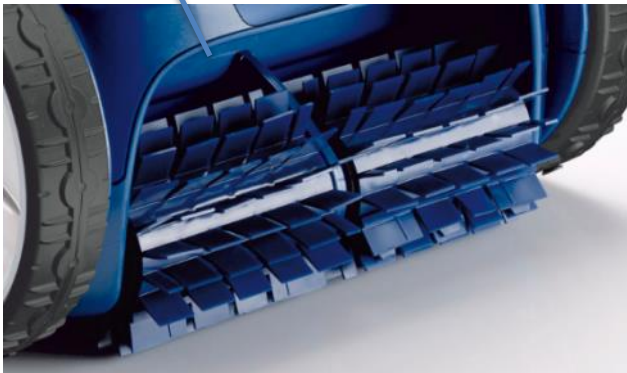
- Very fine: 60 μ (optional)
- Fine: 100 μ (supplied)
- Wide: 200 μ (optional)



The platform

The brushes

Standard brushing (blue plate brushes)



Reinforced brushing
(Contact+ brushes)



- Blue plate brushes (supplied)
- Contacts+ brushes (supplied or optional according to model)



The platform

The tyres

Standard tyres



2 driving wheels
(2WD)



4 driving wheels
(4WD)



Sucker tyres



- For tiled pools, use "sucker" tyres which will have better grip
- Standard tyres (supplied)
 - Sucker tyres (optional on the 2 driving wheel cleaners: 2WD)

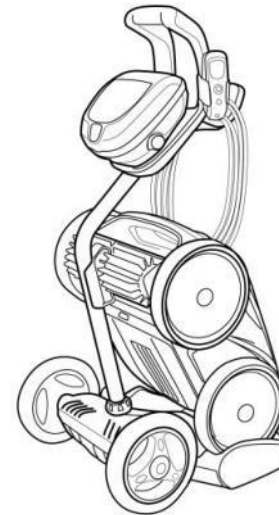


The platform

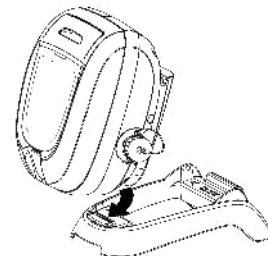
The trolley or base (according to model)



- ❶ Comfortable to use
- ❷ Easy to transport and store
- ❸ Easy to assemble



or



- Cleaner dries in vertical position to allow the water to run off
- Handle to wind up the cable carefully and avoid it becoming tangled



The platform

Swivel (RV 5400 – RV 5500 – RV 5600)



Reduces the risk of tangling



The platform

The protective cover

- ❶ Protects the appliances from rain or bad weather
- ❷ Practical and quick storage solution for bathing season



Available as an option



The platform

Automatic safety features

① Timer system



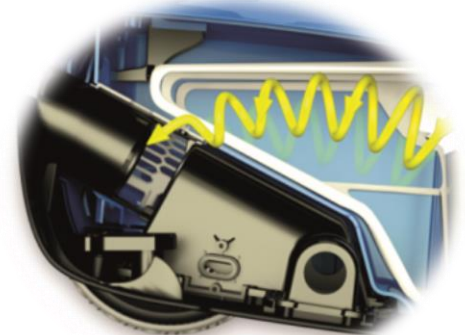
The cleaner detects that it is out of the water and reverses to turn over in the water
→ **Autonomy**

② Out-of-water safety



On start-up the cleaner performs 3 tests to check whether it is in the water.
→ **Reliability**

③ Electronic motor protection

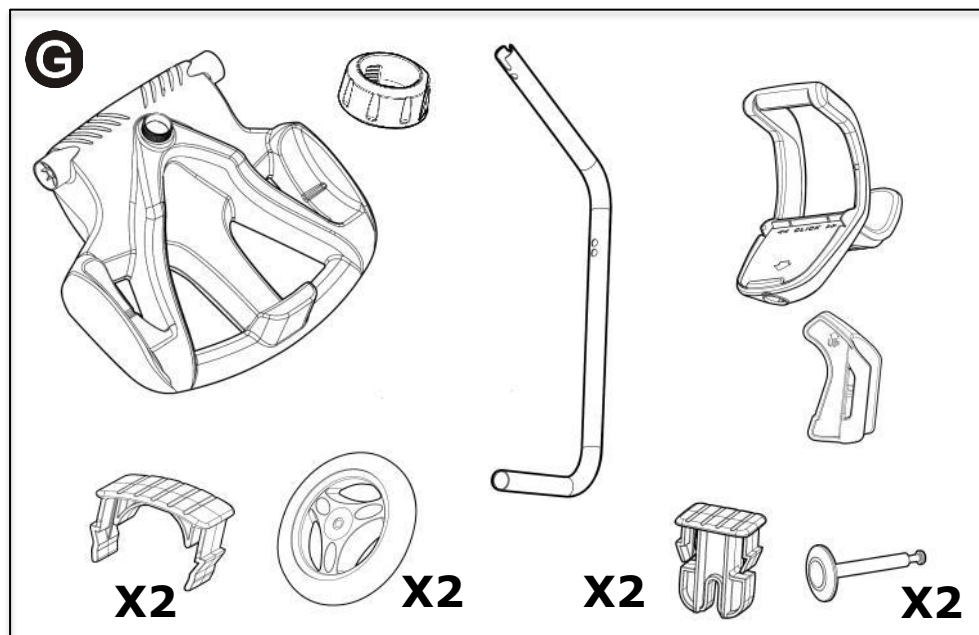
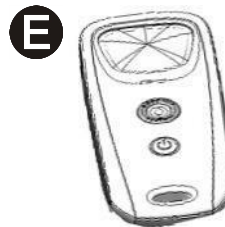
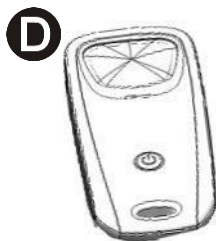
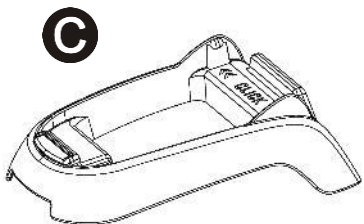
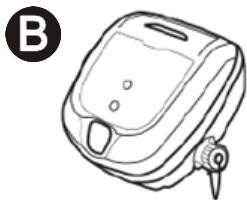
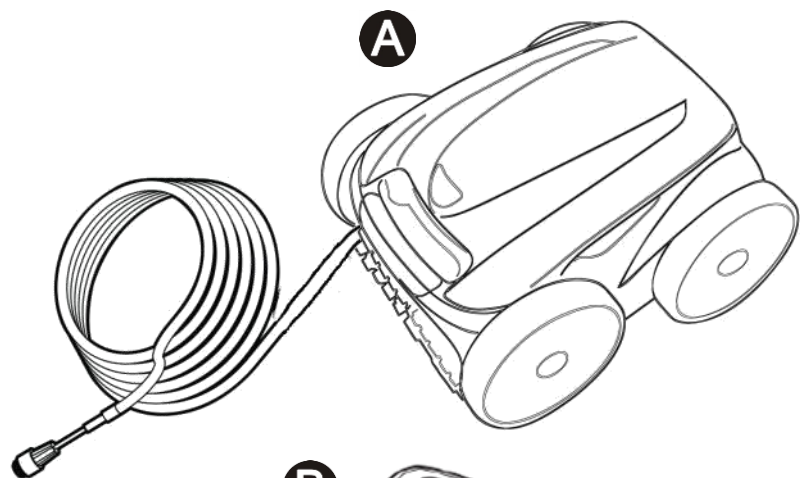


The motor consumption is controlled
→ **Performance**



Description


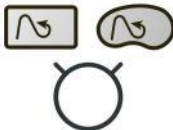






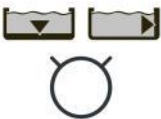


Package contents (according to model)





Description

Presentation of the symbols (according to model)

	Start / Stop the cleaner		Pool shape
	Control indicator		Setting the time
	"Clean filter" indicator		Cleaning cycle programming
	Removal from pool mode		Increase or reduce the cleaning time
	Surface to clean		Switch on / off the remote control
	Cleaning intensity		



Description

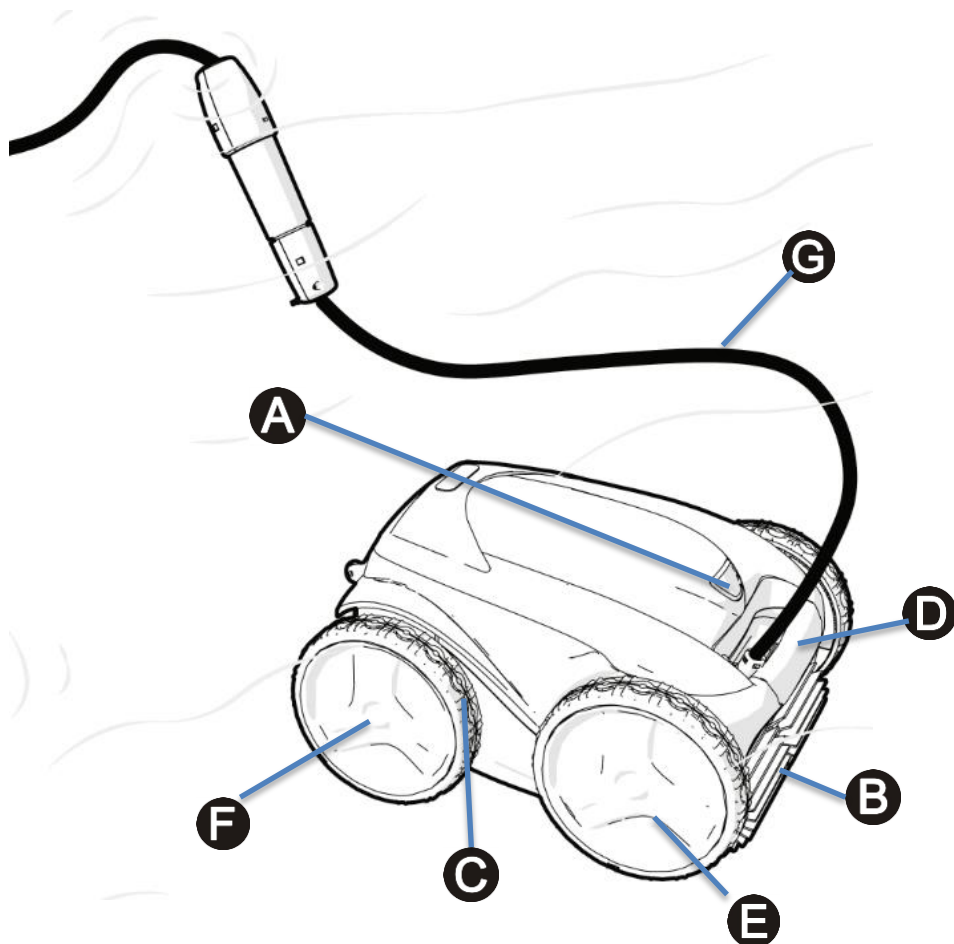
Technical characteristics

	OV 3300 RV 4200	OV 3400 – OV 3410 - OV 3450 - OV 3500 – OV 3510 - RV 4310 – RV 4400 – RV 4430 - RV 4460 – RV 5400 - RV 5470 - JD clean 4x4		RV 4550 RV 4560 RV 5500	RV 5600
Control box power supply voltage	220-240 VAC, 50 Hz				
Cleaner power supply voltage	30 VDC				
Max absorbed power	150 W				
Cable length	15 m	18 m		21 m	25 m
Cleaner dimensions (L x W x h)	43 x 48 x 27 cm				
Packaging dimensions (L x W x h)	69 x 43 x 46 cm	56 x 56 x 46 cm			
Cleaner weight	9.5 kg				
Packaged weight	14 kg	19 kg			
Theoretical cleaning width	270 mm				
Pump flow	16 m³/h				



Description

Marking

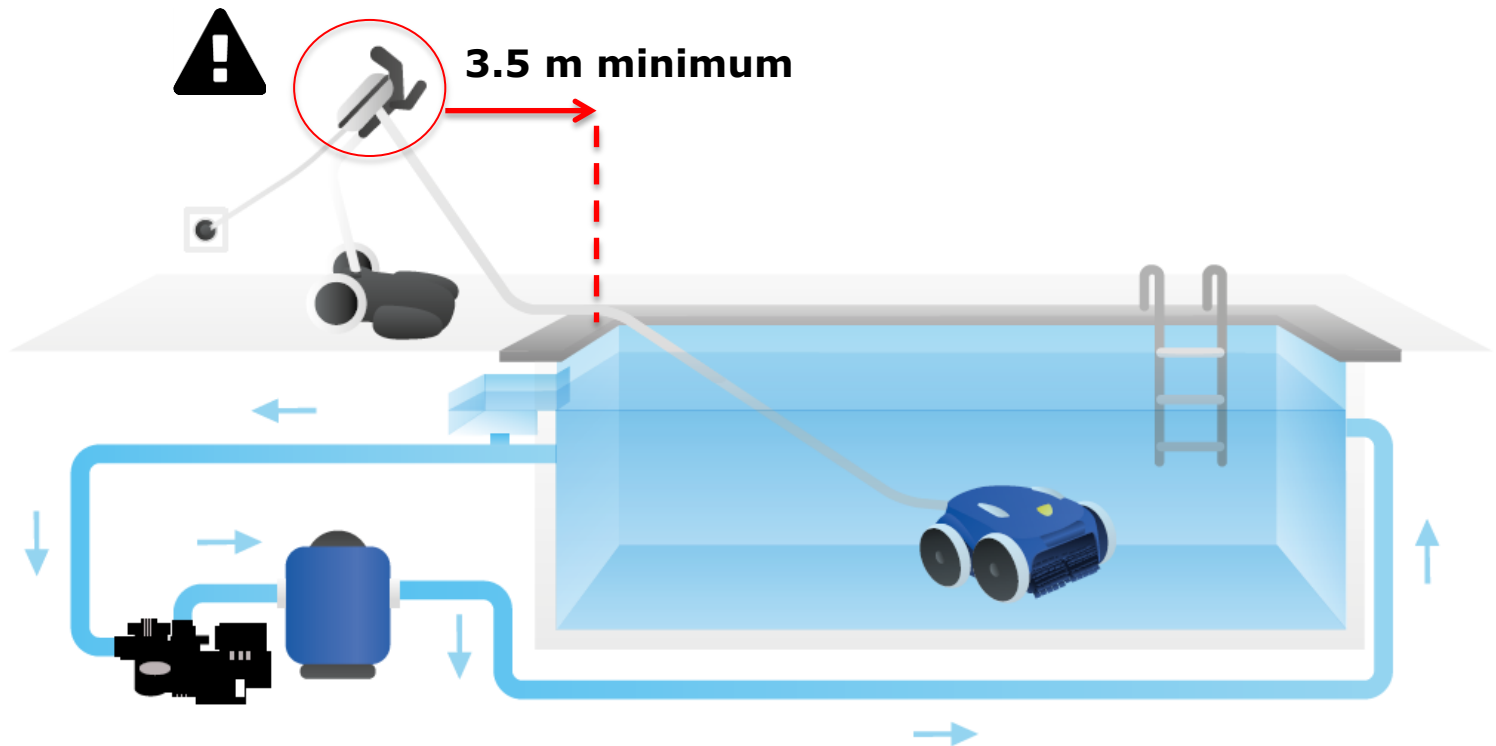


- A** "Filter access" button
- B** Brushes
- C** Linings
- D** Handle
- E** Front driving wheels
- F** Rear driving wheels (according to model)
- G** Floating cable (equipped with a swivel depending on the model)



Installation

Positioning

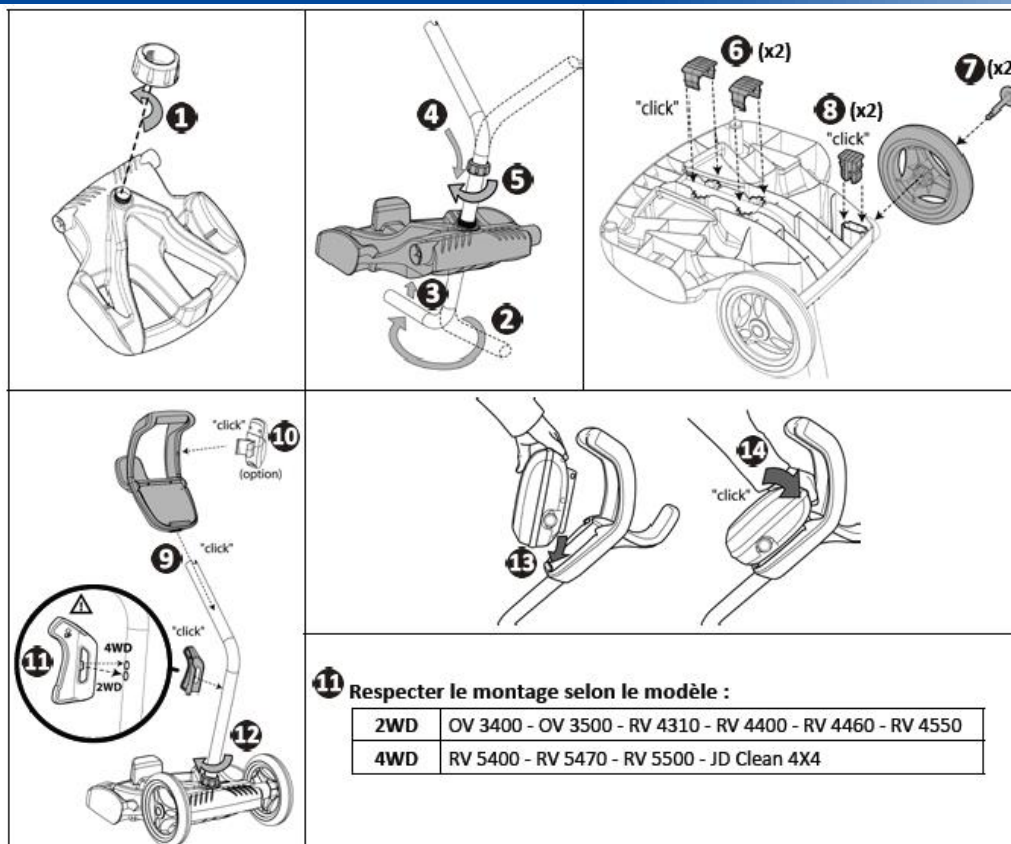


Minimum distance of 3.5 metres between the command unit and the edge of the pool



Installation

Carriage assembly (according to model)



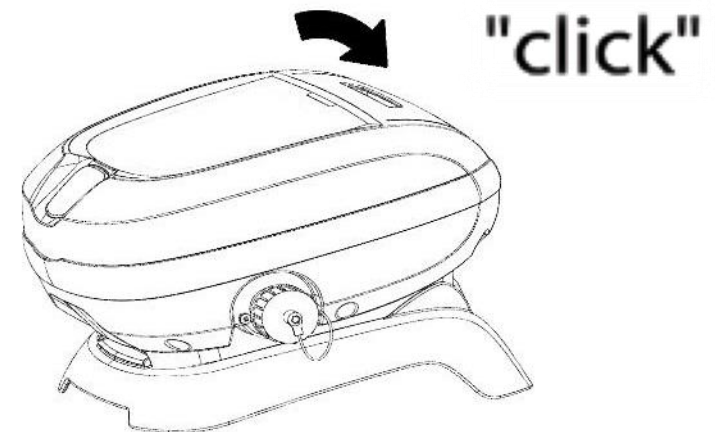
No tools or fixings required

"click"



Installation

Attachment to the base (according to model)



- Protects the command unit if the ground is flooded.
- Unit splash-proof but must not be immersed.



Use

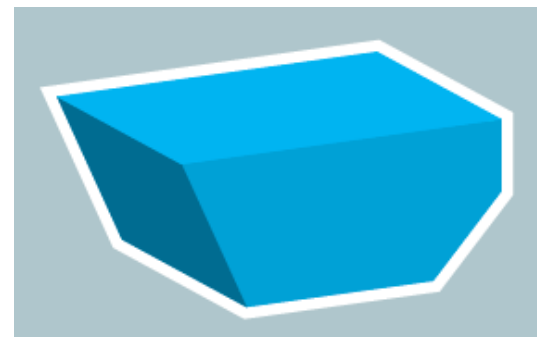
Pool configuration



In ground
Above ground with stiff sides



All shapes



All bottom
types

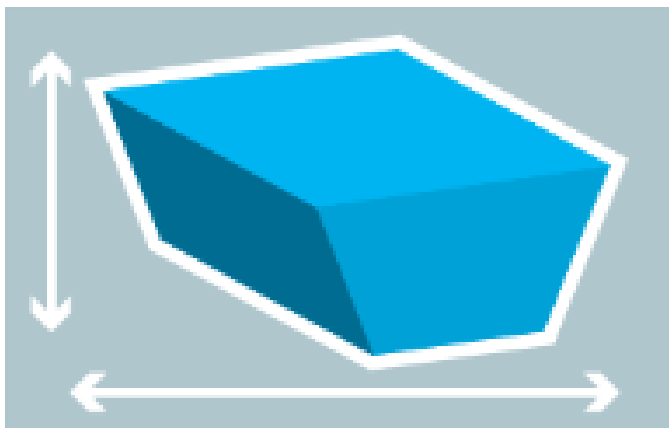


The Vortex™ range adapts to each pool



Use

Pool dimension (according to model)



10 X 5 m		15 m of cable
12 X 6 m		18 m of cable
15 X 7 m		21 m of cable
20 X 10 m		25 m of cable



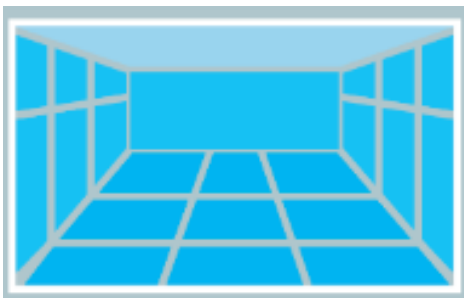
The floating cable must be long enough to cover the whole pool



Use

The cleaning functions (according to model)

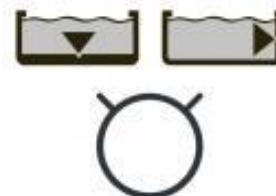
Surface



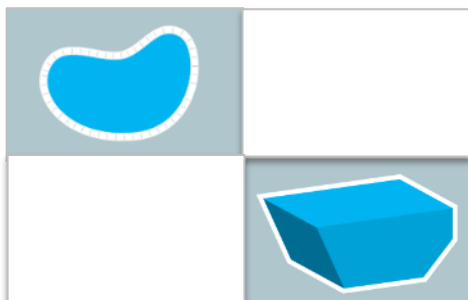
Bottom only

Bottom + sides + water line

Water line only

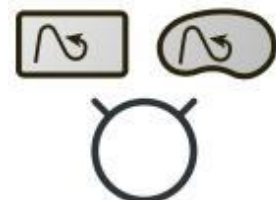


Shape



Flat bottomed rectangular

Other shapes, other bottoms



Intensity



Low intensity

Intensive





Use

Prepare the pool for optimum cleaning

Water between **15°C and 35°C**



pH between **6.8 and 7.6**

Chlorine **< 3mg/l**



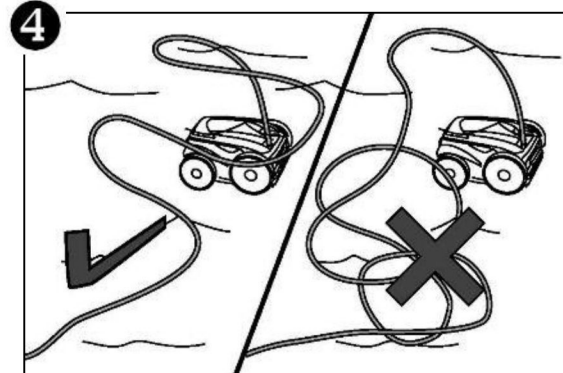
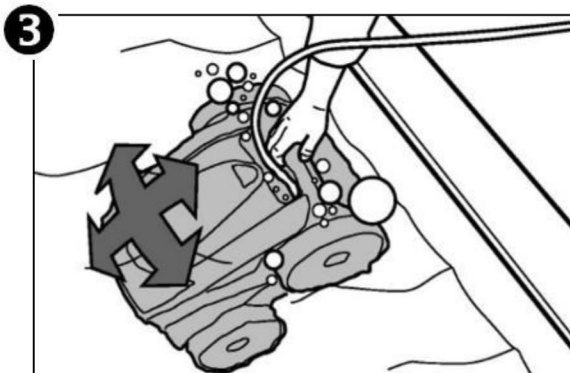
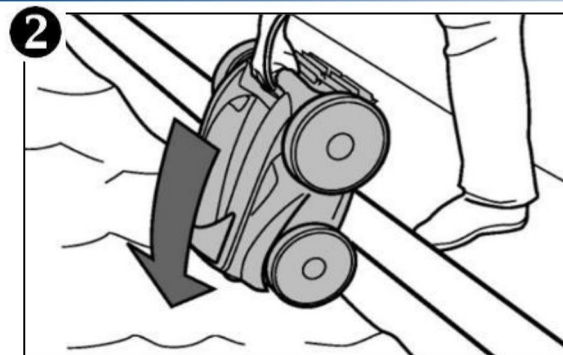
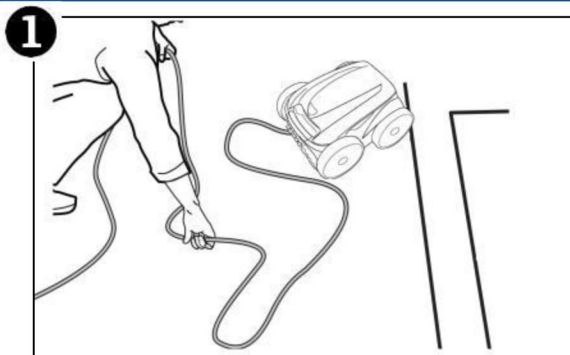
At the start of the bathing season,
remove the large debris using the net





Use

Immersing the cleaner



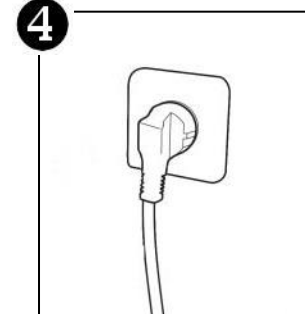
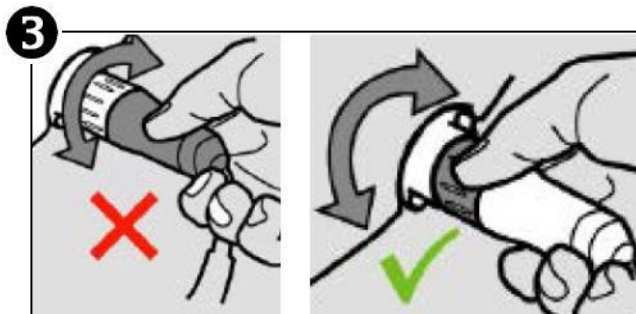
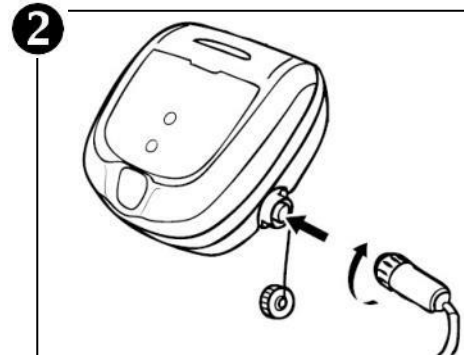
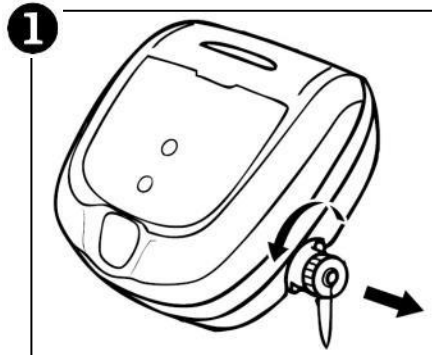
To avoid the cable becoming entangled:

- Unwind the length of cable necessary in the water
- Spread the rest of the cable correctly over the edge of the pool



Use

Electrical connection



To protect the electrical wires from splashing, make sure that the connector's ring is fully tightened



Use

Starting a cycle (according to model)

1. Cleaning cycle configured by default :

- Bottom only + sides + waterline  

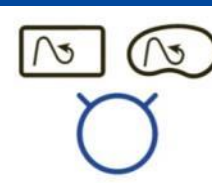
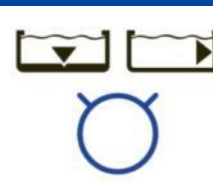
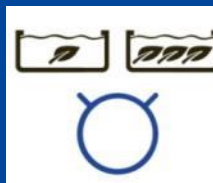
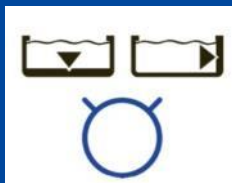
OR

- Bottom only  Low intensity  Other shapes, other bottoms 

2. Press:



Change the cleaning cycle at any time:





Use

"Out of water" mode (according to model)



❶ The cleaner is opposite the side required



Short press on the button



1 minute 30 in water line



Water expelled by a powerful rear jet



20% less efforts when the cleaner is taken out of the water: the water is drained off by a powerful rear spray.



Use

"Out of water" mode (according to model)



② The cleaner is not opposite the side required



Hold down the button



1 minute 30 in water line



Water expelled by a powerful rear jet



20% less efforts when the cleaner is taken out of the water: the water is drained off by a powerful rear spray.

**Use**

Remote control (according to model)

Removal from pool mode
(depending on the model)

Control the robot

Switch
the remote
control on/off



Kinetic*, floating

** Remote control equipped with movement sensors, making it very simple to control the robot*





Use

Programme cycles (according to model)

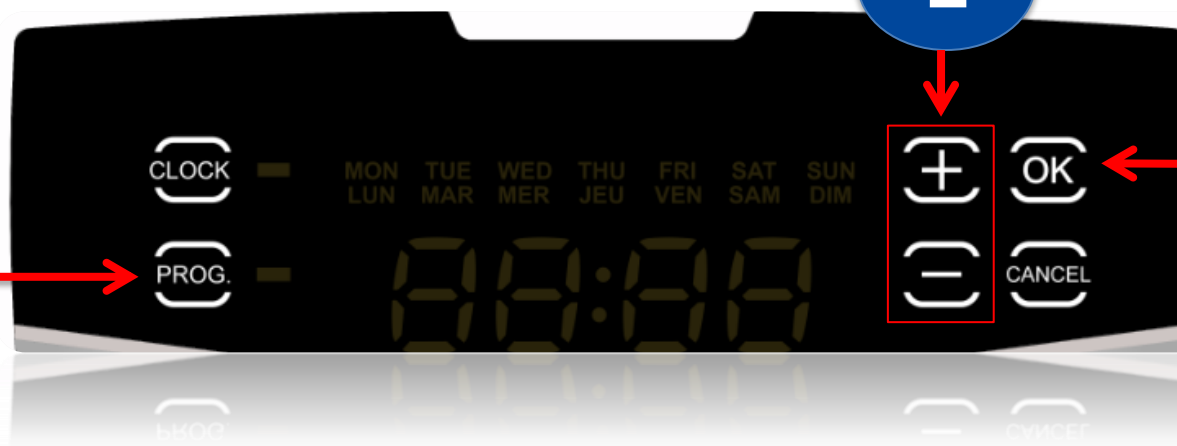


The time must be set before programming.

Press:
Long: Configure
Short: View

1

Select: **DAYS / HOURS / MINUTES**



2

Confirm

3

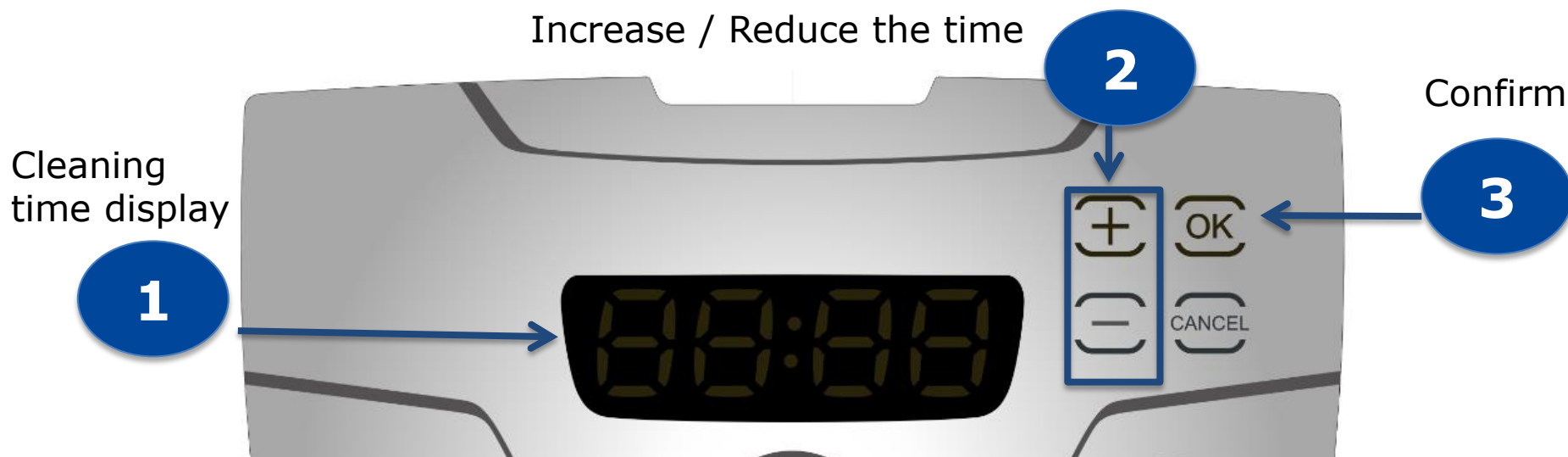


7 cleaning cycles may be programmed



Use

Adjust the cleaning time (according to model)

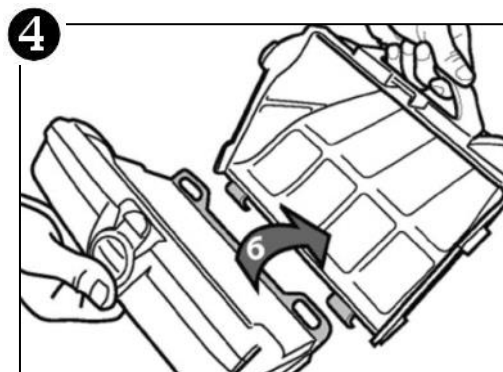
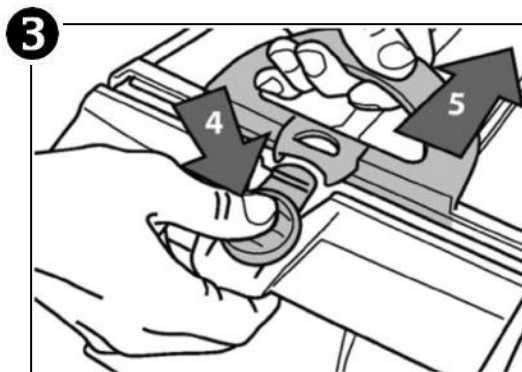
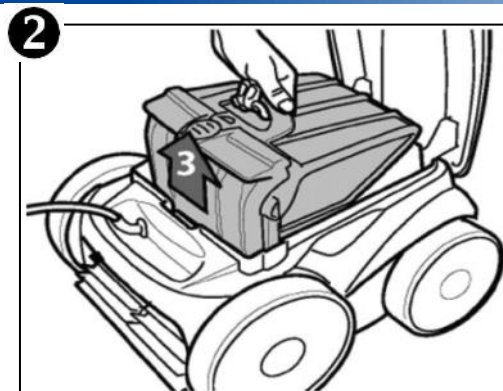
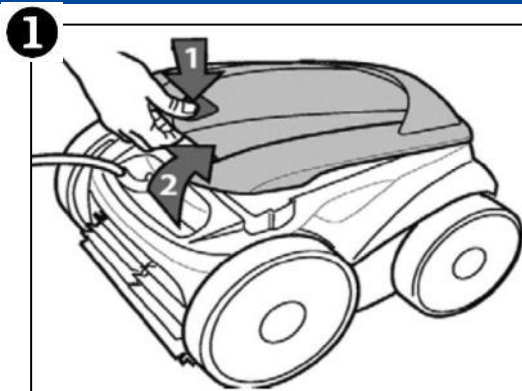



Adjust the cleaning time ($\pm 0.5h$) at any time



Maintenance

Filter cleaning / or replacement

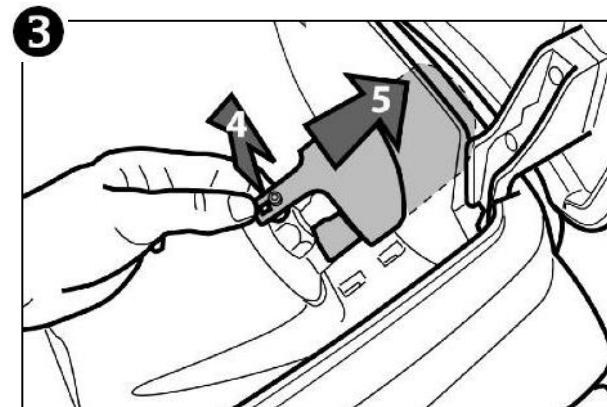
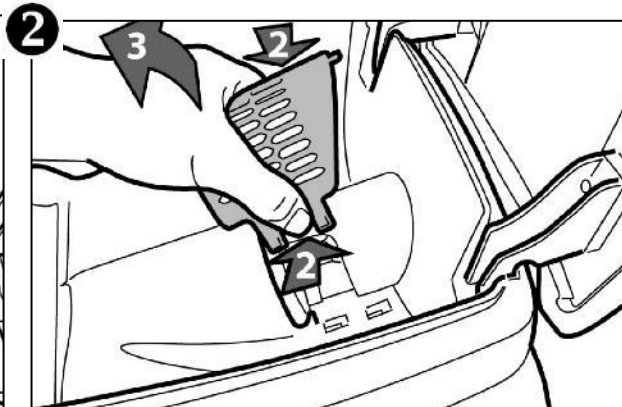
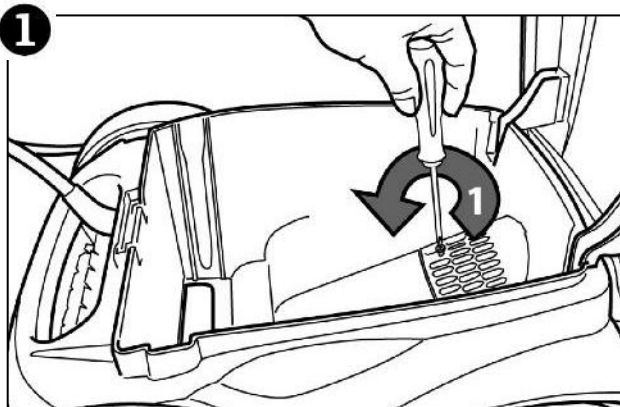


- Replace the filter every 2 years
- The user is alerted by the **indicator**  (according to model)



Maintenance

Cleaning the propeller



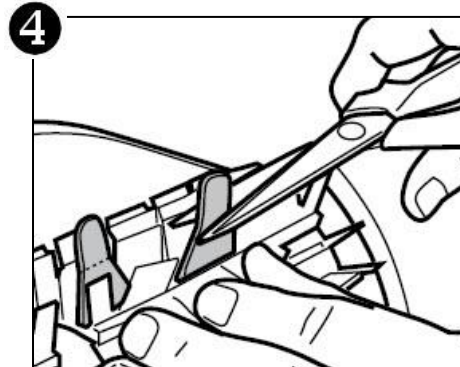
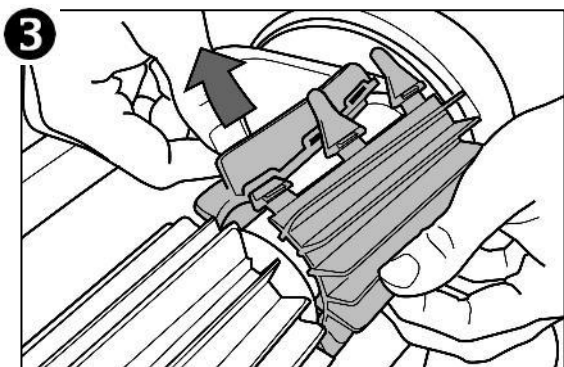
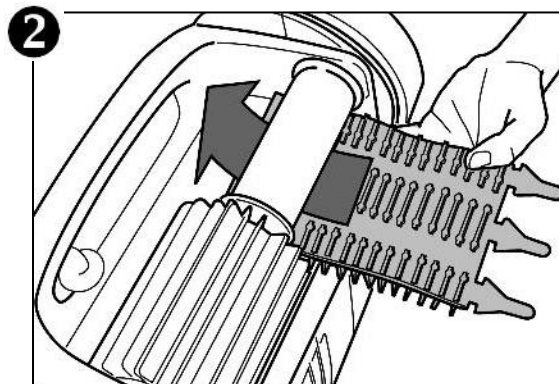
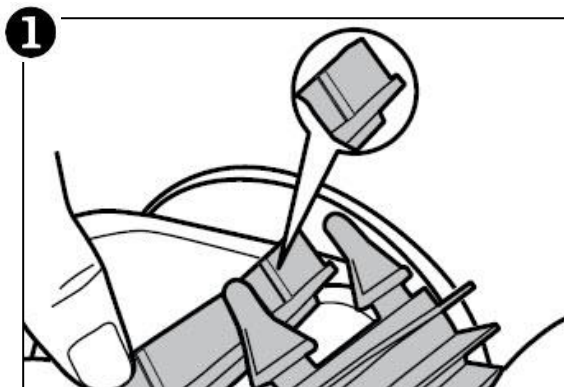
Check that no debris is blocking the propeller





Maintenance

Replacing the brushes

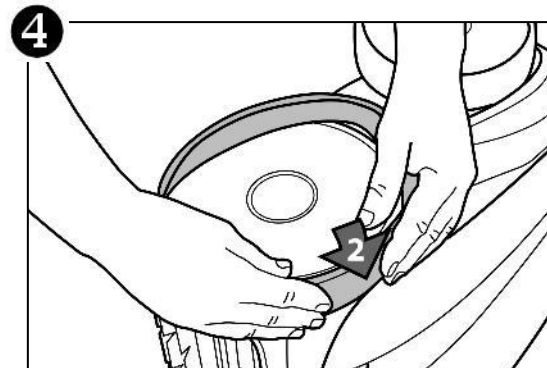
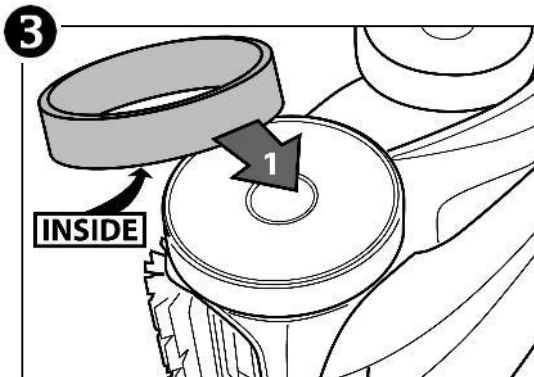
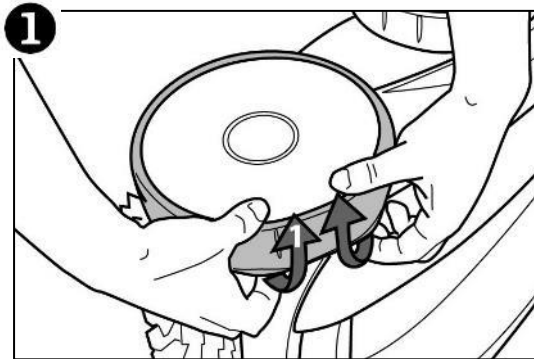


- The brushes have wear indicators
- Replace the brushes every 2 years



Maintenance

Tyre replacement



For tiled pools, use "sucker" tyres which will have better grip



Troubleshooting assistance

Check alerts (user level)

1. Check List to be carried out according to **the LED flashing** or the **error code** which is displayed (according to model)



2. Problem solved by the user (often related to a cleaner maintenance requirement)



3. If the problem continues, professional intervention necessary for a "proper" after sales service



The alerts guide the user to carry out simple checks on the cleaner, they are more independent



Troubleshooting assistance

- DIAG 003 – SAV FULL menu (reserved for PRO)
- DIAG 008 – "Control indicator" LED flashing meaning


Technical procedure

Troubleshooting assistance
Vortex™ 2 - Vortex™ 3.2 - RV 4330 - RV 4400 - RV 4480 - OV 9300 - OV 9400

Meaning of the Flash Leds - "Control" indicator :

Only a person qualified in the technical fields concerned (electronics, hydraulics or refrigeration) is authorized to perform this procedure. Under no circumstances can be held liable if this instruction is not followed. Product warranty may be cancelled in the event of non-compliance with the conditions of installation and use (as defined in our general terms and conditions of sale).

Before handling the machine, ensure that the latter is switched off and isolated.

Problems	Possible origins	Resolution
Pump short circuit	Motor blocked Water in unit** Motor at end of life**	Check the flow guide and the impeller Change the motor unit Change the pump motor
Pump overload	Water clogged Water in unit**	Clear the filter and change if necessary Change the motor unit
Pump underload	Water released during splash by user High setting Propeller fault (200)	Restart the cycle Check the propeller
Start-up out of order	Water release door Reset out of the water when a light was detected Pump under 200**	Change the pump motor Press the start on the water Change the pump motor

Problems	Possible origins	Resolution
Reaction 1 short circuit	Motor blocked Water in unit** Motor at end of life**	Check whether there is any debris blocking the wheels, turn the wheels (2 turn) Change the motor unit Change the 1 reaction motor**
Reaction 2 short circuit	Motor blocked Water in unit** Motor at end of life**	Check whether there is any debris blocking the wheels, turn the wheels (2 turn) Change the motor unit Change the 2 reaction motor**
Reaction 1 overload	Motor blocked Motor at end of life**	Check whether there is any debris blocking the wheels, turn the wheels (2 turn) Change the 1 reaction motor**
Reaction 2 overload	Motor blocked Motor at end of life**	Check whether there is any debris blocking the wheels, turn the wheels (2 turn) Change the 2 reaction motor**

Problems	Possible origins	Resolution
Communication error	Unit communication with the robot Floating cable wires	Disconnect and reconnect the unit and the robot Check the floating cable wires

* Information reserved for professionals.

** It is advisable to change both reaction motors at the same time, because after the first water at the end of life occurs more or less at the same time in both.

00000 0000-1 - 10 - 0000 000

Available on **MEDIA Center**





Troubleshooting assistance

User pre-diagnostic menu (according to model)

Menu access :

- Press simultaneously (for 5 seconds)






OR

- Press



(for 5 seconds)

	Total cleaner operating time (in hours)
	The last cleaner error code (if the cleaner has had at least one error)
	The cleaner operating time at the error (if the cleaner has had at least one error)



The user may provide you with information about the cleaner's condition for remote diagnostic



Troubleshooting assistance

**"Full" after sales menu reserved for PRO
(according to model)**

Menu access :

- Press at the same time



56 34

Total cleaner operating time
(in hours)

DEF 1 → DEF 5

Fault codes 1 to 5 - History of the last 5 error codes

Er: 10

Error code recorded in the fault code selected above

35 14

The cleaner operating time at the selected error

Available on **MEDIA Center**





Troubleshooting assistance

1 Diag Box = 2 types of diagnostic test



QUICK TEST

- Automatic test launch
- Test step displays
- Error message displays



FULL TEST (software)


- Detailed information about the cleaner (operating times, error code history, etc.)





Troubleshooting assistance

The cleaner does not or no longer climbs the pool sides

- 
- _ Clean the filter**
 - _ Check whether the brushes turn at the bottom of the sides**
 - _ Check the water quality, the sides are perhaps slippy**
 - _ Check for brush wear**



Start the cleaner



Troubleshooting assistance

Ineffective filtration – poor adhesion

Filtration seems weak and debris comes out of the propeller

Check:

- _ The condition of the filter**
- _ The propeller and flow guide**
- _ Change the filter's filtration level: very fine**




Start the cleaner



Troubleshooting assistance

The robot does not stay firmly on the pool bottom

- 
- _ Check that there is no air left in the device casing. Repeat the immersion operations**
 - _ Check that the filter is not full or clogged, clean it if necessary**
 - _ The propeller is damaged**



Troubleshooting assistance

The robot has difficulty climbing the pool sides to leave the water



- _ Check that the filter is not full or clogged, clean it if necessary**
- _ For optimum operation, we recommend cleaning the filter at the end of each cycle**



Troubleshooting assistance


Poor remote control range

The frequency of the flashing of the LED on the remote control indicates the reception quality.

**Rapid flashing =
frequency OK**



**Slow flashing
or no flashing**

- 
- _ Position the command unit on the trolley.**
 - _ Turn the command unit towards the pool**
 - _ Ensure there are no large obstacles between the command unit and the pool.**
 - _ Make sure the remote control batteries are not discharged**



Product repair/configuration

- REP 054 – Dismantling the cleaner fully
- REP 043 – Dismantling the motor unit
- VID 020 – Dismantling the cleaner
- VID 021 – Reassembling the cleaner
- REP 083 – Motor unit part replacement (> 2014)
- VID 035 - Electronic board replacement
- VID 036 - Keyboard board replacement
- REP 093 – Adjusting the speed of the pump motor on the wall
- ACC 009 – Remote control synchronisation

