

AVATAR

USER MANUAL



||||||| GIVE THE HAND TO THE FUTURE |||||



CONTENTS

	Page
<i>Caring for the environment, a responsibility of us all</i>	5
<i>Welcome to the Eco₃tech family!</i>	7
<i>The Eco₃tech system</i>	9
<i>O₃zone technology</i>	11
<i>Notes and remarks on this manual</i>	13
<i>Package contents</i>	14
<i>Avatar applications</i>	15
<i>Technical specifications</i>	16
<i>Use and safety considerations</i>	16
<i>Water requirements</i>	18
<i>Washing machine installation</i>	18
<i>Shower installation</i>	20
<i>LED panel</i>	21
<i>Fault indicator</i>	24
<i>Troubleshooting</i>	24
<i>Instructions for use on surfaces</i>	26
<i>Instructions for use on cutlery and utensils</i>	27
<i>Instructions for use on cutting boards</i>	28
<i>Instructions for use on grills</i>	29
<i>Instructions for use on slicing machines</i>	30
<i>Frequently asked questions</i>	31
<i>Internal diagram</i>	32
<i>Guarantee specifications</i>	33

Caring for the environment, a responsibility of us all.

The ECO₃TECH project was created as a solution to meet an increasing demand of our society in recent years: the creation of ECOfriendly cleaning systems that are healthy for users. Although through their nature and definition, cleaning systems should, in principle, be ECOfriendly and healthy for humans, the majority of solutions are not. What is more, the majority of these solutions produce polluting discharges into rivers and seas, causing increasingly more important environmental problems in terms of quantity and quality. They also cause health problems to both families and cleaning professionals.

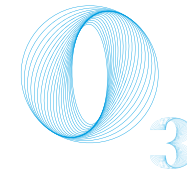
Through O₃zone, the exclusive AVATAR cleaning system is not only ECOfriendly, but its main aim is to clean, degrease and disinfect.

CHANGE

Welcome to the ECO₃TECH family!

Today, ECO₃TECH has a range of products to cover a wide range of needs.

Our flagship is the AVATAR model, with multiple applications. However, we also have other models to cover different needs, such as the G3 model, for more specific use in domestic washing machines and surface cleaning and disinfection; Ecowellness for domestic use in showers, without the need for soap; Eco₃tech Air, a small air purifier with a chromotherapy system; Eco₃tech Commercial Purifier, for commercial use and with a higher O₃zone generation capacity.



OUR MIND IS A GREEN FUTURE

REDUCE | REUSE | RECYCLE

The AVATAR system

The efficiency of the AVATAR system applied to domestic use, thanks to its exclusive, patented O₃zone technology, has led to the project being developed in other more professional channels and areas, with different needs and requirements, for a highly varied sector, towards ECOfriendly, healthy cleaning and disinfection. Hotels, restaurants, hospitals, schools, nursing homes, laundries, spas, gyms and other businesses are now benefiting from this technology.





O₃ zone technology.

Washing with ozonized water is the most efficient way to disinfect, with the additional advantage that it does not produce chemical waste.

The properties of ozonized water guarantee the reduction of viruses, bacteria and other pathogens in food, surfaces and industrial machinery.

What is ozone?

Ozone (also called O₃) is a molecule composed of three oxygen atoms.

Properties

- > Cleaner-disinfectant
- > High disinfection: 99.9%*.
- > Eliminates all types of food and surface pollutants.
- > No chemical waste.
- > Does not require rinsing.
- > Does not leave odours.
- > Lengthens the life of food.
- > Acts in less time than other chemical products.

O₃zone is generated through the technology used by the whole range of our products. This is injected into the water molecule and provides high stability in the mixture, allowing you to clean and disinfect. Owing to the disinfectant nature of O₃zone, the AVATAR system also significantly reduces the consumption of chemical products in laundry and total reduction in disinfecting surfaces.

* Bactericidal activity test no. 492324 carried out in the ACONSA laboratory at a maximum water temperature of 35°C.

Notes and remarks on this instructions manual

- 1.- Always keep this manual in a safe place to consult it when necessary.
- 2.- Before using the product, carefully read the manual.
- 3.- The manual describes the feature of the product in detail, hence the company will not be held liable for any points not included in the instructions manual.
- 4.- Our company will not be held liable for any loss caused by not following the safety instructions of use or owing to an operation error, in accordance with the instructions manual.
- 5.- Do not dismantle, repair or modify this product or the guarantee will be invalidated. In the event of a fault or problem with Avatar, contact your nearest dealer.
- 6.- Inserting a power adapter, which is not originally supplied by our company for this equipment, could cause permanent damage in the circuits of the unit during use.
- 7.- Any severe impact could damage and lead to faulty operation of this product.

8.- Our company is not liable for any loss, direct or indirect damage caused by users or third parties, owing to the incorrect use of Avatar.

9.- The contents of this manual are subject to changes without prior notice.

Package contents

You will find the following articles in the product box:

- Avatar
- User Manual
- Mounting bracket
- Power adaptor
- 1 hose
- Assembly screws and plugs (no.6)



Avatar applications

Avatar is an eco-friendly product with multiple applications. It is easily connected to the washing machine, bathroom or kitchen, supplying running water with O₃zone and giving exceptional results.

Because of the two water outlets of Avatar, it can also be used as a dispenser to clean and disinfect raw food, floors, glass, worktops and surfaces in general. It can also be used for watering or outdoor cleaning of vehicles, for example.

O₃zone generated by Avatar, softens running water from the mains, discomposes dirt and disinfects 99.9%* the bacterial of any material and surface, including human skin and pets. To do this, Avatar uses a magnetizer as a pre-filter to change the molecular structure of the water, creating advanced oxidants. Additionally, it does not store water, which means that it both purifies and uses water to avoid second contamination owing to storage.

Avatar can work with hot water up to 50° and has three levels of ozone; high level (100%), low level (50%) and a non-ozone level (0%). These are controlled by the touch button on the right-hand side of the machine.

Avatar carries out the following main functions:

- > Sterilizes, disinfects, degreases and deodorizes.
- > Decontaminates and purifies.
- > Cleans and softens.
- > Saves energy and protects the environment.
- > Consumes in an intelligent and reduced manner.

* Bactericidal activity test no. 492324 carried out in the ACONSA laboratory at a maximum water temperature of 35°C.

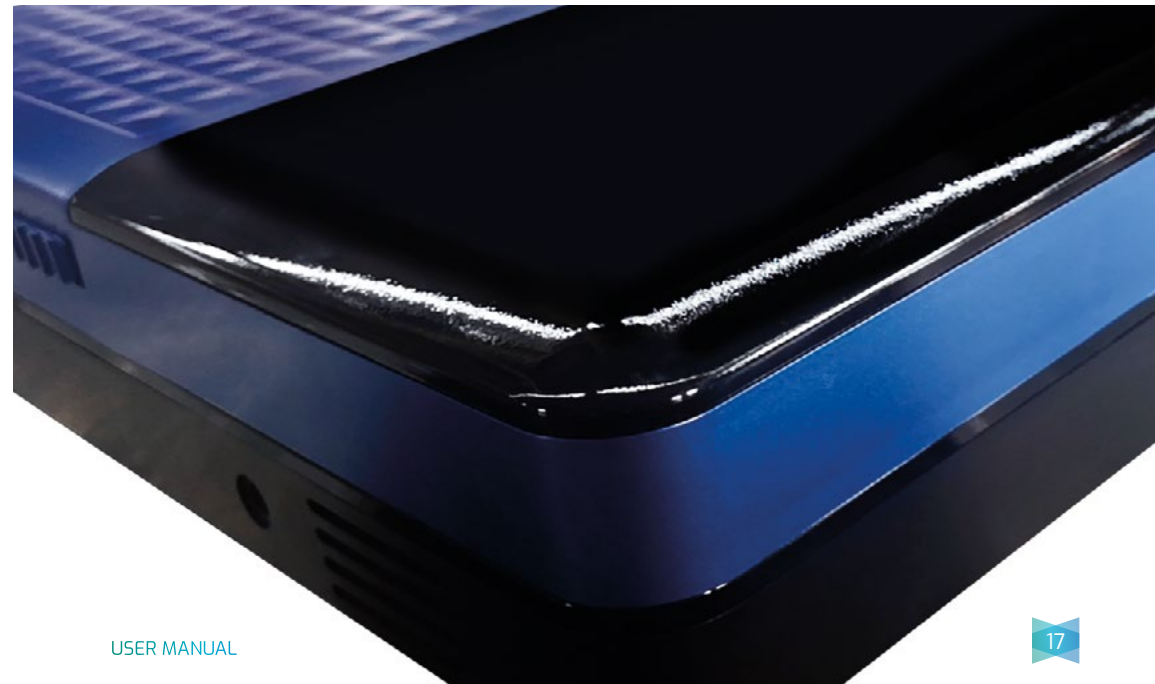
Technical specifications

Model:	Avatar
Input / Electrical consumption:	AC 100-240 V/50-60Hz
Output / Electrical power:	DC 12V 3A
Ozone level (3 levels):	100% - 50% - 0%
Maximum effectiveness of O ₃ zone in water:	60 minutes in open container 3 hours in covered container
Water flow:	2.5l/min-6l/min
Water pressure:	21.4 - 75psi
Operating temperature:	Water 5-50°C
O ₃ zone concentration:	0.5 - 1.2mg/l
Product dimensions:	38 cm x 25.5 cm x 8.1 cm
Net weight:	2.8 kg

Use and safety considerations

- ⚠ Please read the user manual thoroughly before using the Avatar.
- ⚠ Avatar works smoothly in the range of temperatures indicated in the technical specifications table, without any faults occurring in the components.
- ⚠ The maximum water input pressure is 75psi (5.17bar).
- ⚠ When connecting the Avatar to the washing machine, use the new hose provided.
- ⚠ Use a soft cloth moistened with water. Do not clean the Avatar with strong or abrasive chemical products or other cleaning products.
- ⚠ Avatar requires 120 volts of power at 60Hz in a 15 amp fuse or circuit breaker.

- ⚠ Avatar is designed for domestic and industrial use. It is possible to use in business, commercial or industrial contexts as a natural disinfectant to clean surfaces and for use with washing machines with a capacity of up to 10 kg. (Ask your dealer about the industrial model)
- ⚠ Disconnect the power supply before doing any operation.
- ⚠ Do not use Avatar with the cover open.
- ⚠ Do not install Avatar horizontally or at any angle.
- ⚠ NEVER use an extension cable or any kind of power adaptor that is not supplied with Avatar.



Water Requirements

Water pressure of 21.4 to 75psi is required for the Avatar to operate correctly. Water quality may affect the performance of the apparatus. If you are concerned about water quality, consult an expert in water filtration.

Washing machine installation

1. Avatar should be fastened to the wall and placed near the washing machine. First, fix the metal plate to the wall. The metal plate has three mounting holes and 3 anchor screws. Fix the metal plate to the wall with the anchor screws to fasten the product.

2. Fix the mounting bracket to the wall using the anchor screws, making sure that the metal plate is level. (We recommend using a spirit level to ensure the mounting bracket is horizontal). Tilting the device during installation may affect the performance of the product appearance.

3. There are three sockets located at the back of the Avatar. Carefully slide the apparatus downwards aligning the three sockets on the metal plate. The Avatar should hang securely on the metal plate.

4. Turn off the cold water tap or valve close to the washing machine. Set the washing machine to operate with cold water only and turn it on for a while to remove excess cold water from the hose.

Note: Some washing machines mix hot and cold water to ensure a minimum water temperature, which means that water may continue to enter the washing machine. Putting the washing machine into operation for a second should be enough to expel any excess cold water.

5. Remove the existing hose from the cold water tap but keep it connected to the washing machine. Connect the existing hose to the area marked "OUTLET" on the Avatar. Do not tighten it too hard. But ensure that it is securely connected.

6. Connect the hose included to the area marked "INLET" in the Avatar. Now connect the other end of the hose to the cold water tap. Tighten both ends of the hose, but **be careful not to tighten it too much**.

7. Gradually turn on the cold water tap. Make sure there are no leaks from any of the cold water hoses.

8. Connect the DC adaptor to the Avatar and then connect it to the mains. It is now installed and ready to operate.

9. Finally, start the washing cycle of the washing machine 2-3 times before putting clothes in. This will help eliminate all of the detergent accumulated in the washing machine.

Note: Use the washing machine and Avatar only when you are at home. If you go on holiday and are not going to use the washing machine for a long period of time, you should unplug both the washing machine and the Avatar and turn off the water supply. This will help to prevent accidental flooding caused by variations in water pressure while you are away.

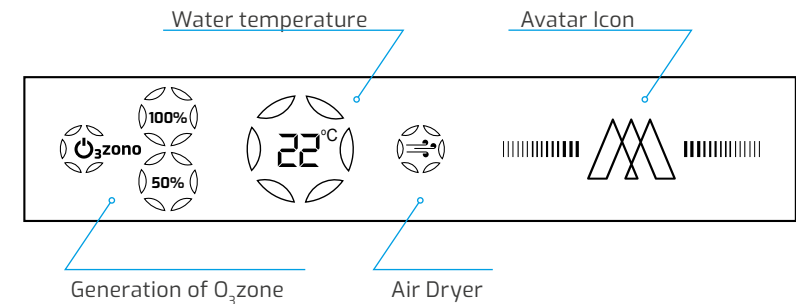
The greater the water quality (less lime), the greater the efficiency of the Avatar.

Shower installation

1. Avatar should be fixed to the wall and placed over the tap.
2. Fix the mounting bracket to the wall using the anchor screws, making sure that the plate is level. (We recommend using a spirit level to ensure the mounting bracket is horizontal). Tilting the device during its installation may affect the performance of the product and its appearance.
3. There are three sockets located in the lower part of the Avatar. Carefully slide the apparatus downwards aligning the three sockets on the metal plate. The Avatar should hang securely on the metal plate.
4. Connect the water inlet socket of the Avatar to the water tap and connect water with the tube supplied. Make sure that the rubber washers are correctly placed on both ends of the tube before connection. Correctly adjust the tube to the inlet connection, without overtightening but ensuring that the fastening is secure.
5. First connect the supply adapter on the side of the Avatar and then plug in the adapter to the wall socket.
6. Finally turn on the water tap. Check the connections to ensure that there are no leaks or dripping. Tighten the tube connections if necessary, but DO NOT overtighten.

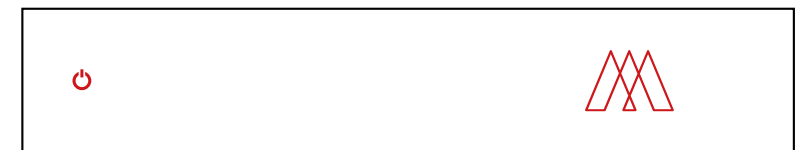
LED panel: indicator lights

The control panel displays the operation of Avatar:



Avatar is automatic and turns on when water passes through it. The LED panel lights will switch on only when water is passing through the system.

Stand-by:



When the Avatar is in Stand-by, it is connected to the power supply and ready to operate automatically once water flows inside, without the need to press any button.

Generation of O₃zone:

Avatar has a blue touch button on the right-hand side, to control the level of O₃zone generation. Whenever the Avatar is started-up, 100% of the O₃zone level will be generated by default. It can only be modified by touching the button. With one press, Avatar will generate 50% of O₃zone and by pressing twice it will stop generating O₃zone in the water. By pressing again, the Avatar will be programmed to generate 100%.



Generation of 100%

Generation of 50%

NO Generation



Tips for use with washing machines:

For white clothes or with stubborn stains, it is recommended to use the 100% generation level.

For delicate clothes (linen, silk,...) or clothes easy to rub and wash, it is recommended to use the 50% generation level.

Water temperature:

The water temperature with which the Avatar is working is displayed on the control panel. If a sensor fails and does not indicate the temperature properly, does not mean that the device no longer generates O₃zone.



Dryer:

The dryer switches on automatically when the Avatar is operating and stops when it is no longer in operation. After 3 hours from the Avatar being in operation for the last time, the dryer will switch on for approximately 30 minutes. Once the process has ended, the symbol will automatically turn off and the Avatar will be in stand-by.



Note: The dryer is used to remove internal humidity and to ensure the efficiency of the device.

Working progress:

The Avatar icon will switch on in blue and will light up the progress bars to signal that the Avatar is working correctly and generating O₃zone.



Fault indicator

If a fault occurs, the light will change to red and start flashing. Avatar is able to detect in which element a fault has occurred and will indicate it in the control panel:



Troubleshooting

1. The equipment does not turn on

There is a problem with the power source or with the hose.

Check the cables are securely connected and ensure the hose is correctly connected to the "INLET" and "OUTLET" points and that the cold water tap is turned on. Then unplug and plug the Avatar supply cable.

2. Fault in the generator of O₃zone (Fig.1)

Unplug the Avatar and restart it after 3 minutes; if the blue light comes on when restarted then the equipment is working correctly; if the flashing red light comes on, contact your dealer

3. There is no smell of ozone on the clothes

- 1.- Check that you have chosen the appropriate ozone level.
- 2.- If the problem persists, there may be a fault in the ozone generator.

4. Water does not flow out through the outlet or comes out intermittently

There may be a lime particle or water residue obstructing the Avatar ducts. Change the hose so that it connects the water tube to the Avatar "OUTLET" and the extraction (or outlet) hose to the "INLET" (and direct it to a bucket). Then open the tap and let water flow through the Avatar for one or two minutes. On flowing water through the Avatar in the opposite direction than normal, it is attempted to expel the element that may be causing obstruction. Contact your dealer if the problem persists.

5. The clothes have come out bleached

Check that you have chosen the appropriate ozone level.








6. Lather is left behind after the first few uses

Detergent residues are being removed from your clothes and/or washing machine. This can take several washes depending on the amount of residues that remain in the clothing fibres and/or washing machine.





7. The clothing has rust-coloured stains

It may be because of very low quality water as well as corroded pipes or with high levels of iron etc. In this case, wash the clothes again using clean water or try adding a small amount of bleach to your wash. The bleach will help brighten the wash but will be diluted by the oxidised water at the end of the washing cycle.


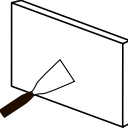

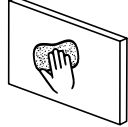
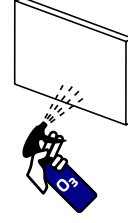
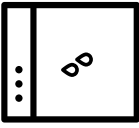
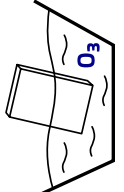

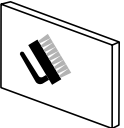
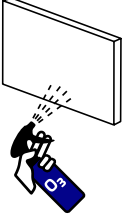
Use on SURFACES

SEQUENCE 1: CLEANING			
			
STEP 1: Fill the spray marked with O ₃ zone with ionized water generated with the AVATAR system.	STEP 2: Spray the surface you wish to clean with ozonized water.	STEP 3: Leave for 1 to 5 minutes.	STEP 4: Rub with a scouring pad until the dirt is removed.
RECOMMENDATIONS: If there is a lot of organic material adhered to the surface to be cleaned, it is recommended to use water at a maximum temperature of 30°, and to leave ionized water to work for the maximum time. Repeat sequence 1 if the dirt persists.			
SEQUENCE 2: DISINFECTION			
			
STEP 1: Spray the surface you wish to disinfect with ozonized water.	STEP 2: Leave for 1 to 5 minutes.	STEP 3: Wipe with paper, dishcloth or dry cloth.	
INDICATION: Rinsing with running water is not required after the last step in any of the two sequences.			

Instructions of use on CUTLERY and UTENSILS

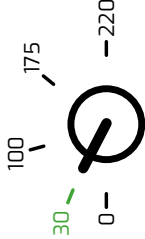
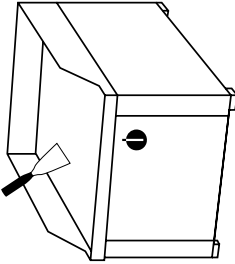




SEQUENCE 1: CLEANING AND DISINFECTION PROCEDURE			
			
STEP 1: Fill the spray marked with O ₃ zone with ionized water generated with the AVATAR system.	STEP 2: Remove organic remains manually	STEP 3: Spray with ozonized water and leave for 1 to 5 minutes.	STEP 4: Rub until the dirt is removed and then dry with paper.
RECOMMENDATIONS: If there is a lot of organic material adhered to the surface to be cleaned, it is recommended to use water at a maximum temperature of 30°, and to leave ionized water to work for the maximum time. Repeat sequence 1 if the dirt persists.			
INDICATION: Rinsing with running water is not required once this last step has been done.			

Instructions of use on CUTTING BOARDS


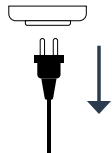

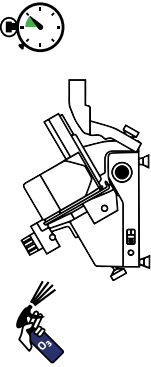

OPTION 1: BASIC CLEANING AND DISINFECTION PROCEDURE				
				
STEP 1: Fill the spray marked with O ₃ zone with ionized water generated with the AVATAR system.	STEP 2: Remove remains manually.	STEP 3: Spray the cutting board and leave for 1 to 5 minutes.	STEP 4: Rub with a scouring pad until the dirt is removed.	STEP 5: Rinse with ozonized water.
OPTION 2: CLEANING AND DISINFECTION WHEN THERE ARE CONSIDERABLE REMAINS OF GREASE AND ACCUMULATED DIRT AND/OR BOARDS WITH HEAVY USE AND A NUMBER OF DEEP BUTS				
				
STEP 1: Place the cutting board in the dishwasher	STEP 2: Immerse in ozonized water extracted from the AVATAR system.	STEP 3: Leave for 10 minutes.	STEP 4: Rub with a brush until the dirt is removed.	STEP 5: Rinse with ozonized water.

RECOMMENDATIONS: It is advised to use ozonized water at a maximum temperature of 30°C.

Instructions of use on GRILLS

SEQUENCE 1: CLEANING AND DISINFECTION		
		
STEP 1: Turn off the grill and leave to cool to 30°C	STEP 2: Remove loose remains	STEP 3: Spray the grill with ozonized water.
RECOMMENDATIONS: It is recommended to pour ozonized water directly onto the grill surface, so that there is more quantity of water and greater effect.		
		
STEP 4: Leave for 5 to 10 minutes.	STEP 5: Rub with a scouring pad until the dirt is removed.	STEP 6: Dry with paper.
INDICATION: Rinsing with running water is not required once this last step has been done.		

Instructions of use on SLICING MACHINES

SEQUENCE 1: CLEANING AND DISINFECTION PROCEDURE	
	STEP 1: Fill the spray marked with O ₃ zone with ionized water generated with the AVATAR system.
	STEP 2: Turn off and unplug the machine
	STEP 3: Remove organic remains manually
	STEP 4: Spray with ozonized water and leave for 1 to 5 minutes.
	STEP 5: Rub until the dirt is removed and then dry with paper.
RECOMMENDATIONS: If there is a lot of organic material adhered to the surface to be cleaned, it is recommended to use water at a maximum temperature of 30°, and to leave ionized water to work for the maximum time. Repeat sequence 1 if the dirt persists.	
INDICATION: Rinsing with running water is not required once this last step has been done.	

Frequently asked questions

Do stubborn stains need to be pre-treated?

We recommend that you treat stains exactly as you have always done. Using the Avatar, stubborn stains must be treated in the same way as before. For everyday dirty clothes, using Avatar will allow you to use less detergent or none at all.

Does Avatar work with all types of water?

Avatar works with all water qualities supplied to homes, but the better the water quality (less lime, for example) the better the results. If you use hard water, we recommend you use a water softener and/or a pre-filter for chlorine. It cannot be used with salt water.

Does Avatar work with industrial washing machines

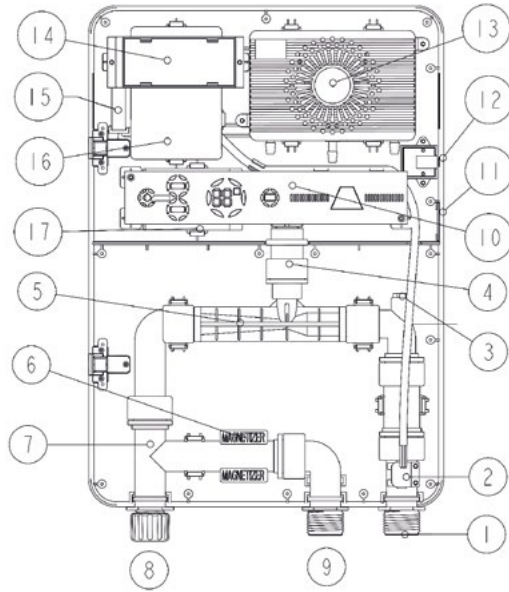
No, Avatar is designed to work ideally in washing machines up to 8 kg, and can work up to a maximum of 10 kg. We have a specific model designed for higher capacity washing machines and industrial systems.

Is it possible to drink water extracted from Avatar?

Avatar water cannot be drunk or ingested.

The water treated by Avatar is used only for cleaning and disinfecting, such as washing ourselves in the shower, washing clothes and foodstuffs, pets, crockery, floors and surfaces, windows, glass, bathrooms etc.

Internal diagram



- | | |
|-------------------------------------|---|
| 1. Input | 10. LED indicator panel |
| 2. Water flow switch of the turbine | 11. Touch controller of the generation level of O ₃ zone |
| 3. Temperature sensor | 12. CC power interface |
| 4. Check valve | 13. Ozone generator |
| 5. Venturi | 14. Logo backlight |
| 6. Magnetizer | 15. Drainage fan |
| 7. Mixing tube | 16. Control board |
| 8. Output 1/2 inch | 17. Electric air dryer |
| 9. Output 3/4 inch | |

Guarantee specifications

Avatar is comes with a guarantee to cover defective material and labour costs for normal use, valid for two (2) years from the date of purchase. The guarantee is only granted to the original purchaser.

The guarantee is subject to the following conditions:

Any damage or breakdown caused by negligence, abuse or misuse by not following the user manual are not covered by this guarantee. Likewise, any defect or damage caused by an unauthorised service or using other services unrelated to the manufacturer will not be covered.

The manufacturer, at its discretion, will repair or replace a defective apparatus or a part or parts of the apparatus covered by the guarantee. As a matter of policy regarding the guarantee, the manufacturer will not refund the purchase price paid by the Customer.

To receive the guarantee service, the defective apparatus or the parts covered by the guarantee, should be returned along with the purchase receipt to the dealer or to the dealer's authorised insurer. All costs relating to the transport of parts or units submitted under the terms of this guarantee will be paid by the purchaser. Unless this guarantee is renewed or extended explicitly by the dealer, any repair or replaced part of the unit is guaranteed to the purchaser for the remaining part of the original guarantee, and at least 6 months from the date of repair of the part.

Please keep the original invoice or purchase contract to the device, in order to certify the duration of the guarantee.



CHANGE
C

CHANGING our mentality regarding waste and pollutant products is an **OPPORTUNITY** to improve the environment for future generations.



AVATAR



REDUCE | **REUSE** | **RECYCLE**

This instructions manual and the AVATAR parts packaging box is made using recycled material.

The protective cover of the AVATAR is manufactured with eco-friendly polypropylene, as water is not used in the production process. It disintegrates if permanently exposed to the sun and is manufactured using pollutant-free materials. The cover is also designed to be reused as a multipurpose bag.



Avatar