



# Product range

# dry steam generators



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Made in Italy

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# made in Italy

*The production of the EV cleaning systems is based in one of the largest steam cleaner factories in Europe, with more than 40 years of experience in Albairate, Milano, Italy.*

All products of E V International Ltd. are created to provide exceptional results. They are crafted by hand and undergo strict quality control. The production is entrusted to experienced personnel that works with high quality and reliable materials to achieve the best possible results. Thanks to all this, the products the company offers are environmentally friendly, technologically advanced, and with a long-term warranty.

All business operations are managed through the headquarters of E V International Ltd., based in Sofia, Bulgaria. A team of specialists and professionals takes care of the day-to-day support of all the distributors worldwide. In addition to a high-quality product, we offer a full package of services, trainings, technical support, integration, and a comprehensive vision and work structure for our distributors and partners.

We dare to say that we are one of the world's fastest-growing direct marketing companies and, as such, we have to respond to all the challenges of the dynamic environment in which we work.

#### *Did you know?*

*Steam cleaning was utilized for industrial and household work in the 1960s-1970s, by Italian boiler manufacturers who started experimenting with steam vapor as a cleaning method.*



**Head office**  
Sofia, Bulgaria

**The Factory**  
Albairate, Milano, Italy



EV International  
company

**The ancient  
power of water  
at your command.**



**Use the force  
of nature.**

# Cleaning system

*One-of-a-kind technology that changes your perspective of cleaning. Reduce the chemical footprint in your home and business, and enjoy a chemical-free environment with the help of the EV steam cleaners.*

## EVolve to the next level of cleaning with EV ATLANTIS and EV POSEIDON

The innovative EV eco cleaning systems are the result of longtime experience and extensive research. The technology allows the cleaning and sanitizing of all kinds of surfaces, using only tap water. It transforms it into pure high-quality dry steam, **BlueSteam™** that removes contaminants and stubborn dirt fast, without physical effort, scrubbing and damaging the surfaces.

The **BlueSteam™** penetrates deep into the cracks where cleaning chemicals cannot reach, kills micro-organisms and bacteria by thermal shock, and leaves every surface dry in seconds. That all is made possible thanks to the combination of low moisture, high pressure and high temperature.

### Did you know?

**Centers for Disease Control and Prevention (CDC) distinguish dry steam as the most dependable and widely used method for sterilization, due to its high temperature and strong pressure.**

The 150 °C - 180 °C (305 °F - 356 °F) dry steam guarantees easy and trouble-free:

- degreasing;
- disinfection;
- bacteria eradication;
- odor neutralization.

Cleaning with EV is a completely natural and environmentally friendly method of deep cleaning. Extremely suitable for use around newborns, people with allergies, and health problems. It removes stubborn dirt in seconds, effortlessly, leaving completely clean and sanitized surfaces.

BlueSteam™

**Steam cleaning - start doing it.**

# Technical data

## EV ATLANTIS

power supply	V - Hz	220 / 110 - 50 / 60
working pressure	bar / Psi	7 / 101.5
boiler power	W	2000 / 1650
steam production	g / oz per min	110 / 3.9
power absorption	A	9 / 220 V - 13 / 110 V
start up time	min	5
boiler temperature	°C / °F	170 / 340
boiler capacity	liter / gallon	2.2 / 0.58
boiler material	type	AISI 304
steam output regulation	electronic	3-tier steam control
water ejection	yes	continuous use
body material	type	INOX AISI 304
power cable length	m / ft	5 / 16.4
steam hose length	m / ft	2.5 / 8.2
net weight of the unit	kg / lbs	6.5 / 14.3



### Protective devices

- Overpressure valve
- Protective class IP24
- Electronic control of the heating power
- Electronic control of the water level in the boiler
- Electronic control of the water level in the refilling tank
- Thermostat with automatic re-charge
- Thermostat "One-shot"

# Technical data

## EV POSEIDON

power supply	V - Hz	230 / 110 - 50 / 60
working pressure	bar / Psi	8 / 116
boiler power	W	2000 / 1650
steam production	g / oz per min	110 / 3.9
power absorption	A	9 / 230 V - 13 / 110 V
start up time	min	5
boiler temperature	°C / °F	180 / 356
boiler capacity	liter / gallon	2.2 / 0.58
boiler material	type	AISI 304
steam output regulation	electronic	3-tier steam control
water ejection	yes	continuous use
body material	type	INOX AISI 304
power cable length	m / ft	5 / 16.4
steam hose length	m / ft	5 / 16.4
net weight of the unit	kg / lbs	7.5 / 16.5



180 °C  
356 °F

### Protective devices

- Overpressure valve
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- Thermostat with automatic re-charge
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# Features

UNLIMITED AUTONOMY

HOT WATER EJECTION

PRESSURE

STEAM DOME

FOUR SAFETY SYSTEMS

PRODUCTION CONTROL

PATENTED BI-SOLENOID VALVE

EXCELLENCE OF EXECUTION

TOUCH SCREEN DISPLAY

*Did you know?*

*With EV you can clean your entire home with a fraction of the water required for regular cleaning and not a single drop of household chemicals.*

Our products are our passion, and we never stop improving and enhancing their qualities.

In the next few pages, we'll give you an inside look and show you the features which ensure that the EV Steam cleaners always provide exceptional results.



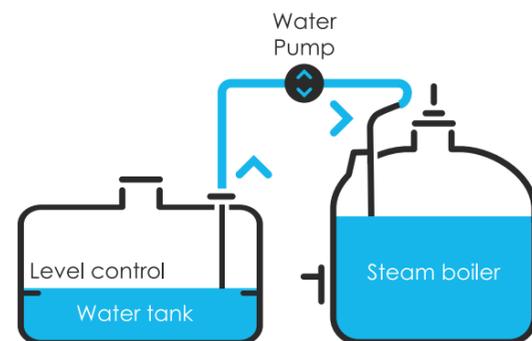
# Unlimited autonomy

Achieved by two water chambers:

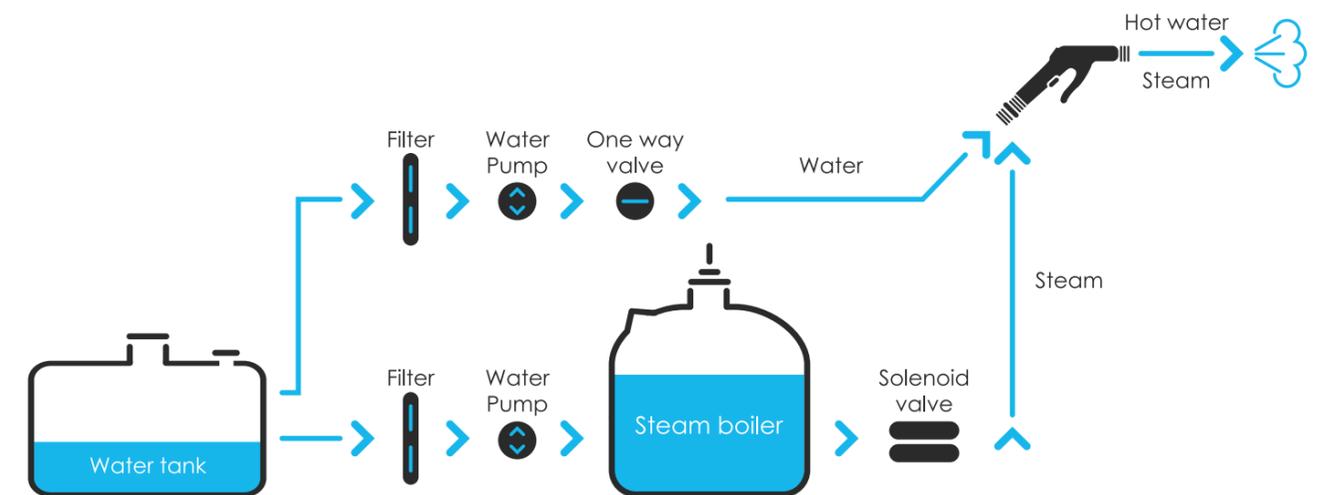
- a pressurized steam boiler;
- a non-pressurized water tank.

Allows water to be added into EV ATLANTIS and EV POSEIDON even while they are still in operation modus.

The EV steam cleaners are equipped with an electronic level sensor that refills the pressurized boiler with water from the non-pressurized water tank automatically. As a result, the unit avoids drops in pressure and temperature during use.



# Hot water ejection



## Advanced technology

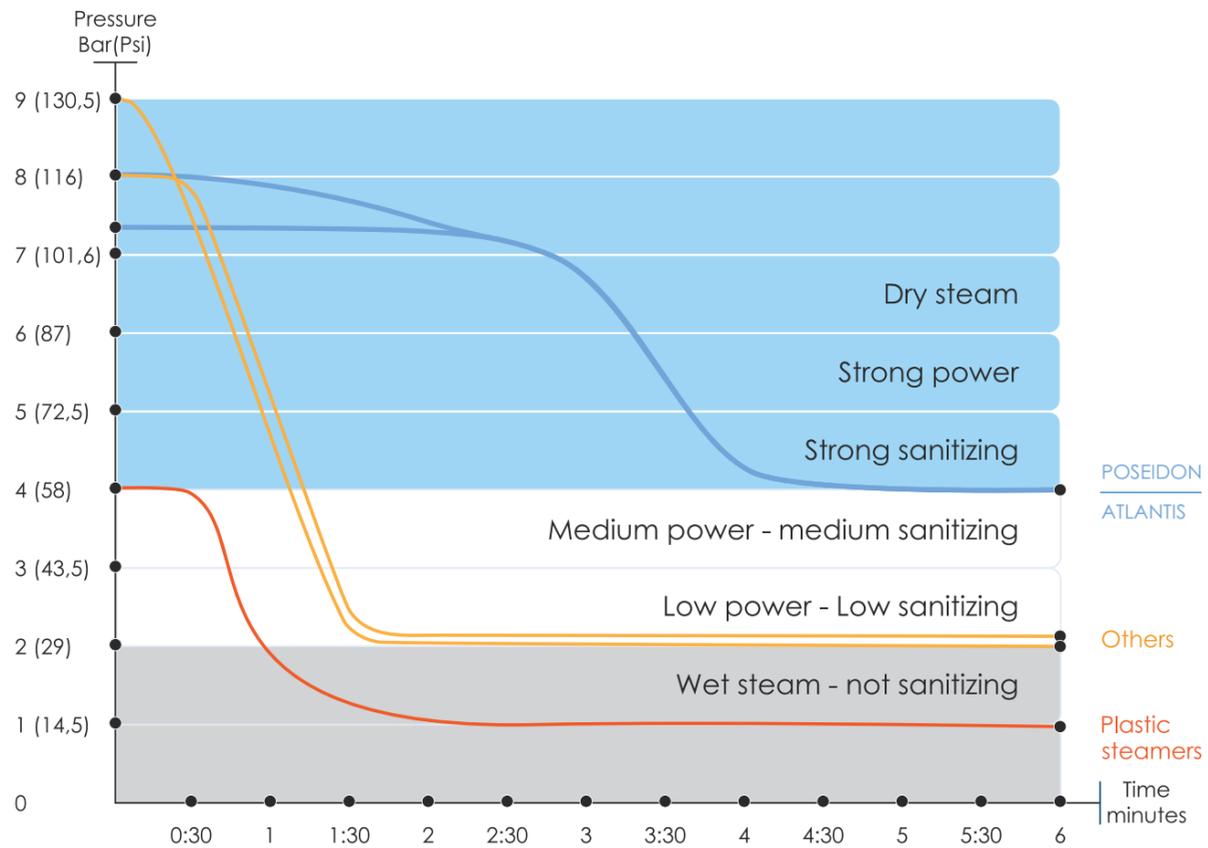
When cleaning certain specific surfaces, sometimes it is necessary to use water along with steam.

But taking water directly from the pressurized steam boiler can result in temperature and pressure drops that inevitably reflect on the unit's performance.

That's why all EV steam cleaners have an additional water pump that extracts water from the non-pressurized water tank. Thus, the steam quality, the pressure and the temperature remain unchanged even after 10 minutes of using the water ejection function.

# Pressure

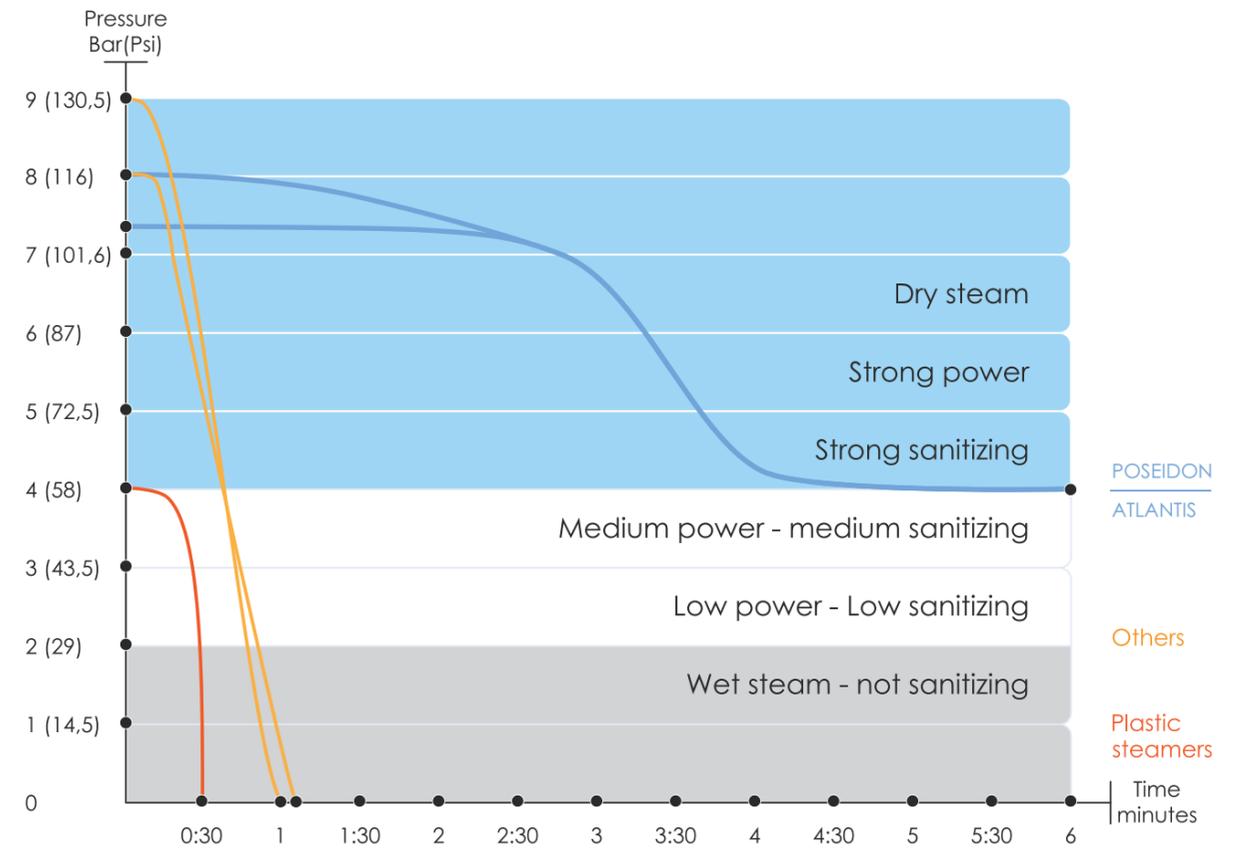
## Steam ejection



The EV Steam cleaners eject 110 g (3.9 oz) steam per minute or 6.6 kg (14.55 lbs) steam per hour. With 40% to 90% more than others on the market.

EV ATLANTIS and EV POSEIDON have strong steam power due to the capacity of their boilers.

## Steam and hot water ejection



The operating pressure of the EV ATLANTIS is 7 bars (101.6 Psi), and that of EV POSEIDON is 8 bars (116 Psi). The units maintain this pressure without any fluctuation for two or three minutes of continuous\* operation. The pressure then decreases but stays between 4 bars (58 Psi) and 5 bars (72.5 Psi), as indicated in the graphic.

\* Continuous operation - when constantly pressing on the steam trigger.

# Steam dome

## BlueSteam™

All EV Steam cleaners release pure dry steam, BlueSteam™ with 170 °C to 180 °C (340 °F to 356 °F) temperature, 7 bars (101.5) of pressure and moisture as low as 3% - 5%, giving you unlimited cleaning possibilities and incomparable results.

Steam with these parameters has strong sanitizing power and kills micro-organisms and bacteria by thermal shock without compromising the cleaned surface.

### Steam classification

The steam cleaning capabilities depend on the temperature, the amount of steam output and the amount of humidity it contains.

- From 100 °C (212 °F) to 130 °C (266 °F) - gray steam or steam with high humidity content (up to 80%)
- From 130 °C (266 °F) to 150 °C (302 °F) - white steam or steam with a predominant humidity content (between 50% and 20%)
- From 150 °C (302 °F) to 180 °C (356 °F) - blue steam (or dry steam) with a minimum humidity content ( $\leq 5\%$ ).

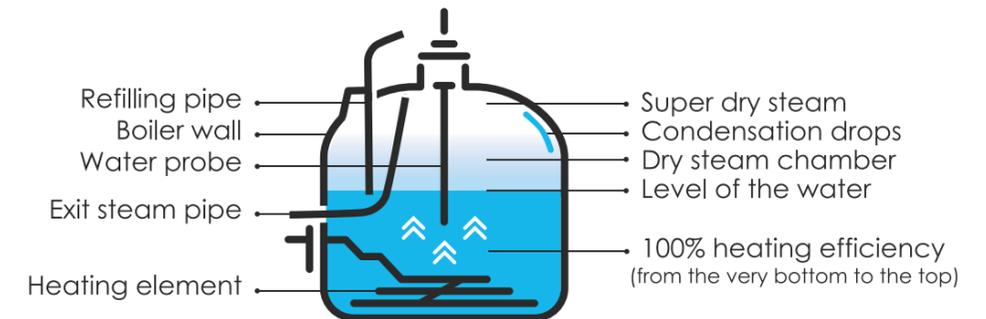
**THE SHAPE OF THE BOILER** itself is essential for the quality of the steam. Instead of the common rectangular or flat top boiler used in all other steam cleaners, EV ATLANTIS and EV POSEIDON have specially designed dome boilers that can store a vast amount of dry steam ready for use.

The steam is drawn from the uppermost part of the boiler, where it is impossible to retain water due to the dome shape. This eliminates the probability of water spraying out of the steam nozzle during operation.

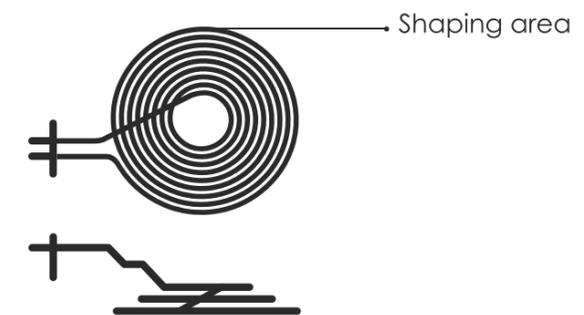
### Did you know?

BlueSteam™ runs through the pipes with enormous thrust and a speed of 120 km/h or 75 mph. Due to this fact, it can penetrate the micro holes and crevices of the surfaces and eliminate debris, contamination and all kinds of harmful organisms.

### BOILER - 2.2 L / 0.6 GAL DOME SHAPE



### HEATING ELEMENT



### 100% HEATING EFFICIENCY – FROM THE VERY BOTTOM TO THE TOP

The heating elements are made out of Incoloy 800, a material designed for high temperature applications. It resists up to 750 °C (1382 °F) and will not become embrittled even after a long period of use. Each boiler is provided with a specially designed high efficiency heating element that allows a short startup time (14 W/cm<sup>2</sup>). Due to the spiral shape and whole surface coverage the EV Steam cleaners use 100% of the heating efficiency. This is the reason for the **LOW ELECTRICITY CONSUMPTION** of 1650 W/2000 W.

# Four safety systems

## Pressure switch

Electromechanical component set up to turn off the heating elements when the pressure reaches 7 bars (101.6 Psi) for EV ATLANTIS and 8 bars (116 Psi) for EV POSEIDON.

## Safety valve

It lets steam out when the pressure in the boiler exceeds 7.8 bar (113.1 Psi) for EV ATLANTIS and 8.8 bars (127.6 Psi) for EV POSEIDON.

## Thermostat

In case the temperature exceeds 175 °C (347 °F) for EV ATLANTIS and 185 °C (356 °F) for EV POSEIDON, the thermostat turns off the heating elements.

## Thermo fuse

If the temperature reaches 220 °C (428 °F), the units switch off automatically, thanks to the thermofusible.

# Production control

Each component, as well as the entire assembling process together with the finished units are subjected to rigorous quality controls and **3 major tests**.

**1-st step** - in line test. Performance testing of single unit parts and all pipe and electrical connections during production and assembling.

**2-nd step** - end of production test. General machine performance and safety parameters according to international standards.

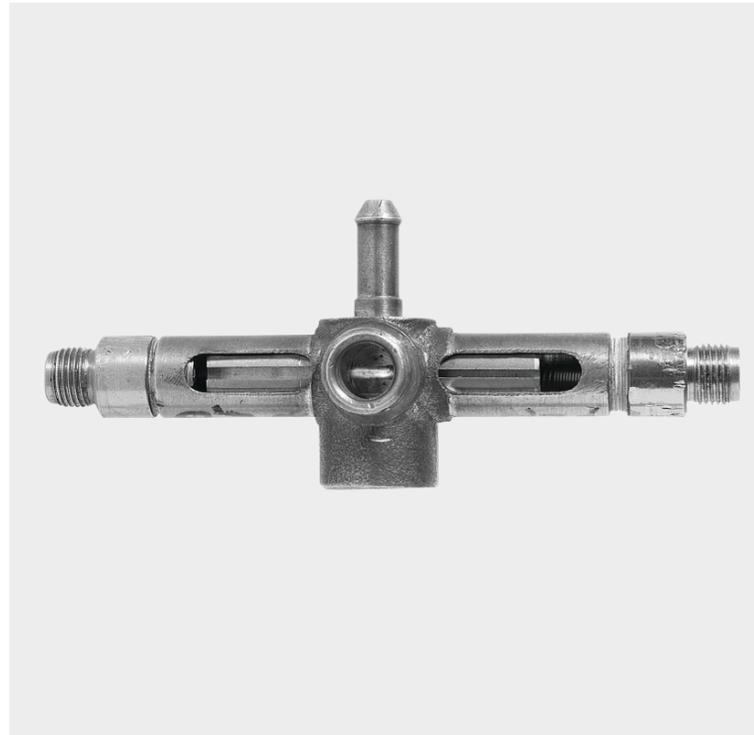
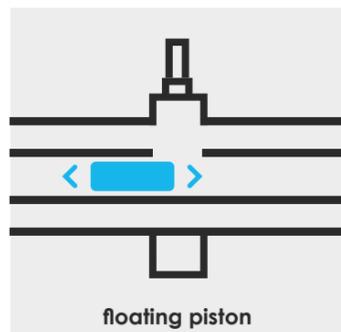
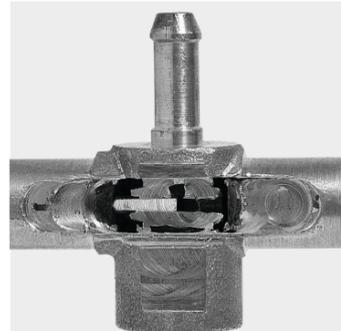
**3-rd step** - thermal shock test. The assembled and tested unit is set aside until all components cool down to room temperature, following which the unit is retested for 1 hour (non-stop work). 80% of all our production is thermal shock tested.

### **Boiler durability test 2.2 L - 7/8 bars of pressure**

All boilers are subjected to a durability test to ensure their safety and strength.

**As a result of that, the faulty startup is reduced to 1%, comparing to other brands that have 15% to 25% faulty startups.**

# The patented Bi-solenoid valve



Instead of a standard electromagnetic valve, all EV Steam cleaners have a patented bi-solenoid valve. Thanks to the improvement of this small but essential part, the amount of steam can be adjusted in **3 DIFFERENT LEVELS**.

The floating piston inside the valve moves to the fixed core, left and right, to regulate the force and flow of the steam. The central joint allows **COMPLETE REMOVAL OF LIMESCALE** from the inside of the valve, which prevents the risk of damage.

EV ATLANTIS and EV POSEIDON are the only steam cleaning systems that have this technology.



*The circle on the EV ATLANTIS display indicates the amount of steam output. It is made of 3 parts that symbolize the elements of nature - WATER, FIRE, and AIR, the elements from which the dry steam is composed.*

*When cleaning with steam, we can stop using chemicals and polluting the environment. This way we restore the fourth element of nature - the Earth.*



## Excellence of execution



### Stainless steel AISI 304 top and bottom

We are very proud that the EV Steam generators are **THE ONLY UNITS ON THE MARKET WITH 100% STAINLESS STEEL TOP AND BOTTOM BODY**. Very solid shell with 1.2 mm thickness and 1.5 kg each part, comparing to other competitor units with only 0.6 to 0.8 mm thickness and complete or half body with normal steel. Just by knocking on the outside of an EV Steam cleaner, you will “hear” the difference in the quality, or you can do a magnet test and try to attach it to the upper or lower shell.

### Mirror shine effect

The top and bottom shell of the EV steam generators are all mirror polished one by one. There are 12 different steps in the polishing procedure until we reach the final result. All this is done by hand. After the polishing is complete all the parts are manually inspected in order to guarantee the “mirror shine effect”.

## Touch screen display



### Touch screen display

LED Touch screen digital interface with detailed information for an exclusive user experience:

- Pressure
- Temperature
- Working Hours
- Attachments
- Service

#### Did you know?

**According to a study conducted by researchers at the University of Glasgow, Touchscreen technology improves input speed and input accuracy by 20%.**

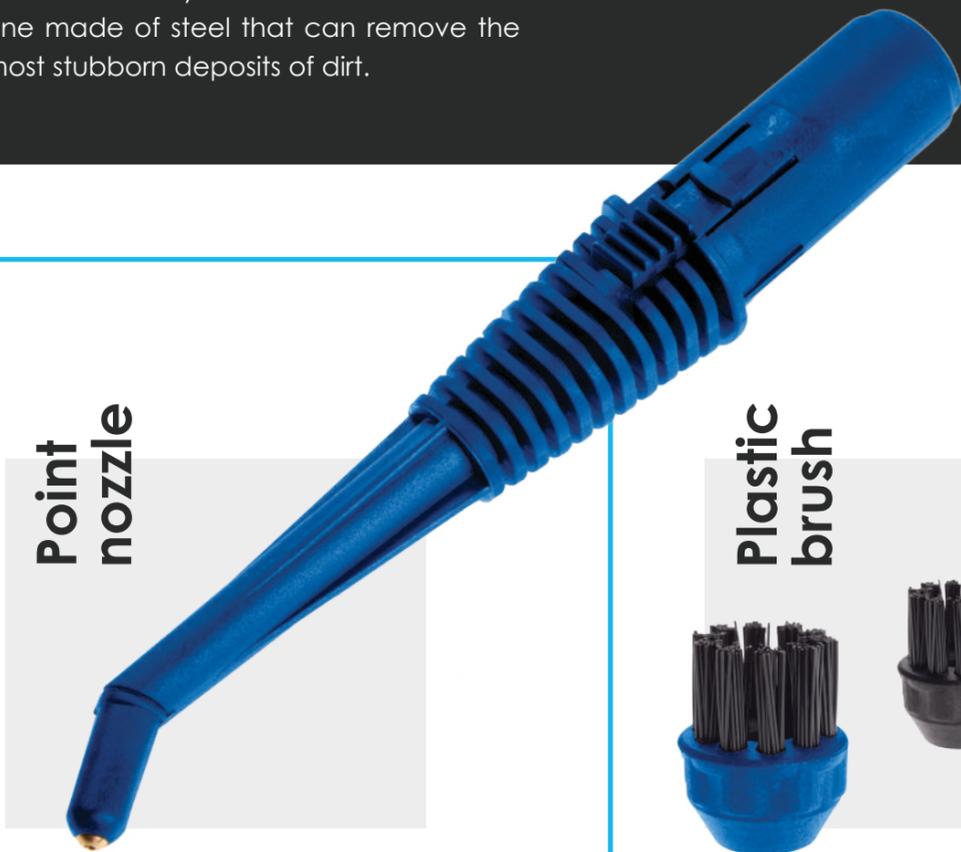
# Customized accessories

The specially designed fiberglass attachments are tailored to meet the needs of every household and business.

We have created brushes for every surface – from one with gentle horsehair that preserves easily scratched furniture to one made of steel that can remove the most stubborn deposits of dirt.

Thanks to the two extension pipes, there are no unreachable spots around the house, and the universal brush is specially made for sanitizing large areas in short amount of time.

**Point nozzle**



**Plastic brush**



**Triangular brush**



**Universal brush**



**Extension pipes**



**Steam hose**



The connectors of our attachments are the most customer-friendly on the market.

# Accessories & Attachments

			
Round copper brush Ø 30 mm	Round crine brush Ø 30 mm	Round steel brush Ø 30 mm	Round plastic brush Ø 30 mm
			
Round plastic brush Ø 60 mm	Triangular brush	Universal brush	Point nozzle with metal brass tip
			
2.5 m Steam hose	Extension pipes	Plunger	Bottle for filling
			
Rectangular pad	Triangular pad	Additional Thermofibers pack (5 pieces)	Boiler Key

**EV ATLANTIS**

*Included in the standard package that comes with EV ATLANTIS steam generator.*

			
Round copper brush Ø 30 mm	Round steel brush Ø 30 mm	Black round plastic brush Ø 30 mm	Blue round plastic brush Ø 30 mm
			
Round plastic brush Ø 60 mm	Round stainless steel brush Ø 60 mm	Round plastic brush Ø 60 mm	Round scotch brite Ø 60 mm
			
Triangular brush	Universal brush	Blue point nozzle with metal brass tip	Black point nozzle with metal brass tip
			
5 m Steam hose	Extension pipes	Plunger	Bottle for filling
			
2x Rectangular pad	2x Triangular pad	Thermofibers pack (5 pieces)	12x Abrasive pads (4 different types)

**EV POSEIDON**

*All included in the standard package that comes with EV POSEIDON steam generator.*

# Ironing set



## Steam Brush

- Heating element built in the plate.
- Additional button for continuous steam outlet.
- Ergonomic handle for more comfortable use.
- Central microswitch for right and left-handed.
- Natural bristles.

The EV Steam brush disinfects and irons textiles and fabrics without compromising their commercial appearance.

Thanks to the plate with a built-in heating element, every treated surface remains dry and available for instant use. The natural bristles of the steam brush allow you to treat silk, wool, viscose, and all other delicate fabrics.



# Iron

### Did you know?

**You can iron up to 1 hour nonstop when the steam cleaner is fully loaded with water.**

This iron is as close to professional equipment as you can get at home. Its Teflon plate glides over clothing smoothly, removing creases in one pass.

Working with 110 g (3.9 oz) steam per minute, the EV Iron can iron multiple layers at once, saving more than half of the time for ironing. Thanks to the large quantity of steam and increased pressure, it can iron even challenging fabrics such as linen, cotton, denim, etc., with ease.

**\* Available for 220 V countries only.**



## Ironing board

Made of high-quality materials that guarantee long-term use, the EV Ironing board is the perfect addition to every ironing set. Its professional functions improve, simplify and speed up every ironing process.

### **Suction function**

The ironing board sucks residual steam that is redundant and unnecessary after the ironing process. Additionally, it cools the ironed fabrics, retaining the result for a longer time.

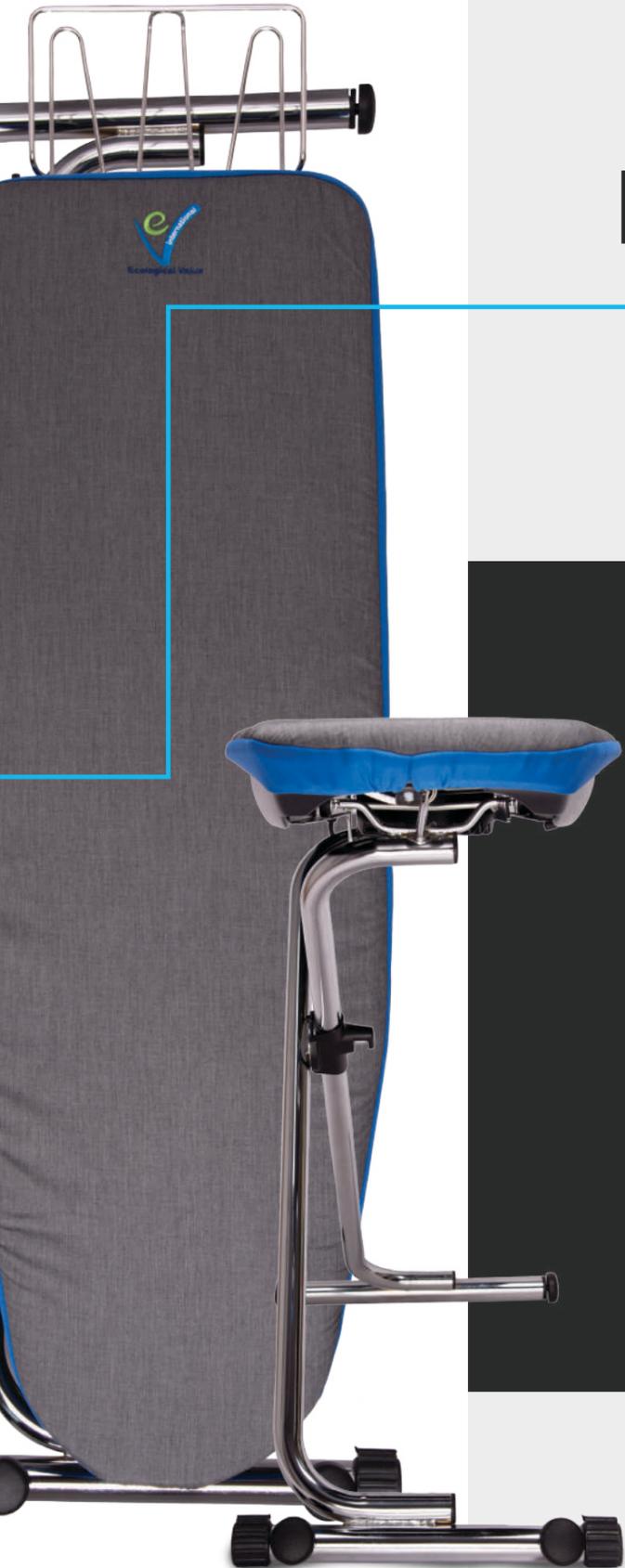
### **Heating function**

The ironing board has integrated heating on the surface board. The heating prevents wetting of the surface board and the fabrics that are ironed. No condensation is formed.

### **Vortex function**

The vortex (cold ironing technology) is used in professional ironing centers. Through the vortex, a soft airbag is formed below the surface. It prevents the direct contact of the materials with the surface. Thus, it eliminates the unwanted wrinkles resulting from ironing.

Equipped with wheels that can move not only forwards and backward but even sideways, the EV Ironing board can be moved with little to no effort.



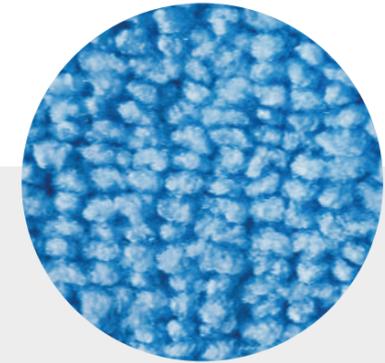
# Thermo-fibers

Much thicker and absorbent than regular microfiber towels, the EV Thermo-fibers remove 99% of known bacteria. They absorb up to 7 times their own weight and do not leave marks or flakes.

EV Thermofibers can be washed\* in a washing machine (up to 95 °C /203 °F) and tumble dried more than 500 times. The fibers of the towels are reinforced and concentrated, which keeps them in good shape a long time.

Specially created to be resistant to EV's high steam temperature.

**\* Do not use fabric softener.**



# Additional accessories



## Air Freshener

In combination with an EV Steam generator, this small accessory can be used for:

- Purifying the air
- Aroma Therapy
- Inhalations
- Deep facial steam bath
- Insect expulsion

The EV Air freshener can efficiently remove strong, unwanted scents and quickly purify the air in indoor spaces.

The special place for drops allows the use of essential oils. This type of aromatherapy is not only the perfect way for relaxation but also very helpful for headaches, inflammation, stress, muscle tightness, or physical discomfort after a long workday. It can also be used for different kinds of inhalations and facial steam baths, relieving the symptoms of common colds and upper respiratory tract infections.

The EV Air freshener is almost silent for complete and undisturbed time for relaxation.

## Professional mop

Made to ease and speed up the process of cleaning large spaces, the EV Steam mop disinfects all types of flooring with minimum effort.

The main switch (on/off button) is fixed at the bottom of the working head. It activates the mop when it touches the ground. Thus, the steam flow is activated when needed and without pressing additional buttons.



### Did you know?

*Floor mopping takes up to 40% of the working time in most cleaning jobs. The professional mop reduces that time by half.*

# Sanix



100% VIRUCIDAL system against human CORONAVIRUS 229E, based on the test UNI EN ISO 16777: 2018



*Did you know?*

*The Thermo fogging method reduces the time for disinfection from hours to minutes. One bottle of SANIX can cover up to 250 m<sup>2</sup> / 2690 ft<sup>2</sup> in less than 5 minutes.*

## SANIX SYSTEM – disinfection at its finest. Certified as 100% virucidal against HUMAN CORONAVIRUS

The revolutionary EV SANIX system is based on the Venturi injector module. The speed of the steam flow creates suction to the 90° angle attached pipe, with a restrictor, from the EV SANIX bottle. In this way, the created vacuum allows the liquid to be injected directly into the steam flow with high speed.

The steam mixes with the liquid and creates a perfect **THERMO FOGGING** mixture for spraying on every kind of surface.

Depending on the liquid, EV SANIX is most effective for AIR sanitation, SURFACE disinfection for bacteria and viruses. It can also be used with EV Clean for shampooing and pretreatment of stained materials.

*\* In combination with EV Steam Generator and EV H<sub>2</sub>O<sub>2</sub>*



# SANIX

the most powerful combination — blue steam and disinfectant



# Liquid additions

## Certified as 100% virucidal against HUMAN CORONAVIRUS\*

EV H<sub>2</sub>O<sub>2</sub> Silver Bio concentrate at 2.5 % is a combination of hydrogen peroxide and silver ions. Its biodegradable nature makes it effective for both commercial and home use. The combination of the antimicrobial silver with the potent oxidizer makes EV H<sub>2</sub>O<sub>2</sub> Silver Bio strong and eco-friendly disinfectant. EV H<sub>2</sub>O<sub>2</sub> Silver Bio is a detergent, suitable for sanitizing all kinds of floors, washable surfaces, equipment and fabrics.

Due to the action of the hydrogen peroxide with silver ions it has decontaminating, disinfecting, virucidal, bactericidal, mycobactericidal and fungicidal effect.

**\* For external use only. Can not be put into the steam generator.**

**EV H<sub>2</sub>O<sub>2</sub>**  
SILVER SPRAY



## Did you know?

Composed only of water and oxygen, hydrogen peroxide has been known as the world's safest sanitizer. Like ozone, it is known for killing microorganisms by oxidizing them, its mode of action is best explained as a controlled burning process.

## EV CLEAN

- Biologically decomposable with neutral pH
- Without phosphates
- Contains natural lanoline
- Fragrance without allergens
- Anti-static effect

Super multi-functional eco cleaning concentrate suitable for treating upholstery, textiles, furniture, floors, carpets, plumbing fixtures, and many other. EV Clean also provides clear and streak-free cleaning of glass surfaces. Thanks to the natural lanoline, it impregnates surfaces and protects them from wearing out.

EV Clean is ideal for spot cleaning and removing hard-to-clean stains from red wine, nicotine, ketchup, grease oil, lipstick, ink, etc. Used as liquid laundry gel, it washes all types of textiles at temperature up to 60 °C (140 °F). Appropriate for white and colour laundry.

One liter of EV Clean makes 100 liters / 26.4 gallons of **GREEN CLEANING SOLUTION**.

**\* For external use only.  
Can not be put into the steam generator.**



# we are certified.



E V International Ltd. informs you that the quality standards of our production and the security of the customers are guaranteed by the certificates above.

 <p>The product meets the required safety and performance standards.</p>	 <p>The product meets the safety requirements in the United States and Canada.</p>	 <p>The trademark is registered with the, Europe and other countries' Patent and Trademark Offices.</p>
 <p>Certified by the International Electrotechnical Commission.</p>	 <p>Certificate confirming that pressure vessels and boilers are manufactured in accordance with the terms and standards of the Pressure Equipment Directive.</p>	 <p>The trademark is registered with the U.S. and other countries' Patent and Trademark Offices.</p>
 <p>The product meets the European requirements for safety, health and environmental protection.</p>	 <p>This certificate certifies that the product has been successfully tested and inspected to meet quality and safety standards in Saudi Arabia.</p>	 <p>The device is harmless to humans and animals.</p>
 <p>Independent compliance assessment with international quality management standards.</p>	 <p>Means the absence of certain harmful substances in electrical and electronic equipment. REACH EU &amp; ROHS Certified.</p>	 <p>The product has a proven effect against HUMAN CORONAVIRUS 229E based on the test UNI EN ISO 16777:2018.</p>

Steam cleaning - start doing it.

Made in Italy



E V International Ltd.<sup>®</sup>  
[www.ev-international.com](http://www.ev-international.com)