EV ATLAS



User Guide EU

Dear Customers,

We deeply appreciate your business.
Serving you is our highest priority.
We are available for your questions at any time.

Please Contact:



We wish you many happy moments with your EV ATLAS!

From the whole team at E V International Ltd.

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Introduction

BEFORE USE CAREFULLY READ THIS MANUAL FOR A PROPER USE ACCORDING TO THE BASIC SAFETY REQUIREMENTS

For your safety, please carefully read the instructions before using the unit and follow the rules below:

SYMBOLS

CAUTION: Important safety indications!

READ carefully the user manual before start up.

For any maintenance intervention, **disconnect the power supply.**

Carefully follow the indications concerning the **maintenance** interventions as described in the user manual!

CAUTION: unit energized!

CAUTION: hot parts in contact!

CAUTION: use protection gloves!

How to use and retain this manual

Congratulations on choosing EV ATLAS. We are sure that if you carefully follow the information included in this manual, you will appreciate the quality of our product. For this reason we kindly ask you to carefully read this manual and have it read by anyone in charge of using the unit.

- The instructions concerning the operation and maintenance of the unit included in this manual describe the detailed use of the unit as designed and according to its technical characteristics.
- This manual, provided together with the industrial steam generator, is an integral part of the unit itself and must be RETAINED FOR ANY FUTURE REFERENCE.
- The manual must be always at disposal of the user and easily consulted by anyone using EV ATLAS.
- Should the manual be lost or damaged, the user can ask the manufacturer for a new manual specifying:
SERIES - MODEL - YEAR OF CONSTRUCTION - SERIAL NUMBER
as visible on the rear side of the unit.
- The distributor reserves the right to Update and modify the steam generator without having to update the previous production and manuals.

Safety rules and warranty

▹ The manufacturer will not be responsible for any direct or indirect damage due to any improper use of the unit, and namely:

- Gross negligence in the required maintenance.
- Interventions for any modification not authorized by the manufacturer.
- Use of non original spare parts and spare parts not specific for the model of unit under reference.
- Total or partial non compliance with the instructions.
- Extraordinary events.



THE BOILERS MUST BE "BLOWN OUT", EMPTIED AND CLEANED WITH DESCALER FREQUENTLY, ESPECIALLY IN AREAS WHERE HARD WATER IS PREVALENT



IMPORTANT: KEEP THIS USER MANUAL IN A SAFE PLACE FOR FUTURE REFERENCE

EV ATLAS is designed and built for cleaning and sanitization using steam, detergent and suction. All three functions can be used together.

Improper use

Use for purposes other than specified above is considered as improper use. The unit must not be used in areas classified as potentially explosive. Refer to the section entitled **Important Notes** for further details. Full compliance with the operating and maintenance instructions is a mandatory requirement.

Improper use of the unit, besides being hazardous for the user and other people and likely to damage the unit itself, will invalidate the warranty conditions.

Important Notes

▹ Read the instructions carefully before using EV ATLAS.

▹ Use not in accordance with these instructions will invalidate the warranty.

▹ The electrical installation to which the unit is connected must comply with the applicable laws.

▹ Do not expose the unit to extreme temperatures. The operating temperature range is +5 °C to +40 °C.

▹ Before connecting the unit, make sure the main voltage corresponds to the value on the rating plate, and the power socket is grounded.

▹ When the unit is not in use, it is advisable to unplug the unit from the power socket. Never leave the unit unattended when it is connected to the power supply.



Always disconnect the plug before carrying out any maintenance operations!

▹ Do not pull on the power cord to disconnect the plug. Always grasp the plug.

▹ Do not allow the cord to get twisted, damaged or stretched, or come into contact with sharp items or heated surfaces.

▹ Do not use the unit if the power cord or other important parts are damaged.

Safety regulations

- Do not use extension cables unless authorized by the manufacturer, as this could cause damage or a fire.
- If the power cord needs to be replaced, contact an authorized Service Centre.
- Never touch the unit with wet hands or feet when it is plugged in.
- Do not use the unit in the vicinity of sinks, baths, showers or vessels full of water.
- Never immerse the unit, cord or plug in water or other liquids.
- Do not use the unit in places where there is the risk of explosion.
- Do not use the unit in the presence of toxic substances.
- When the unit is hot, do not place it on heat-sensitive surfaces.
- Do not expose the unit to atmospheric agents.
- Do not position the unit close to lit gas rings, electric stoves or other sources of heat.
- Never allow the unit to be operated by children or anyone not specifically trained to do so.
- Do not press the buttons with excessive force and avoid using pen tips or other pointed objects.
- Always stand the unit on a flat, stable surface.
- If the unit gets dropped and shows evident signs of damage, refrain from using it and have it checked over at an authorized Service Centre.
- In the event of a fault or malfunction, switch the unit off immediately. Do not attempt to take it apart yourself. Contact an authorized Service Centre.
- Original spares must always be used for repairs or replacements. This is to make sure the unit continues to operate safely.
- Before filling with water, remember to switch off the unit and disconnect the plug.
- Do not use to vacuum acids or solvents, which could seriously damage the unit. Never use to vacuum explosive liquids or powders, which could ignite on contact with the internal parts of the unit(Vacuum Kit only).
- Do not use to vacuum toxic substances (Vacuum kit only).
- Do not use to vacuum burning or incandescent objects such as embers, ash or other materials at the combustion stage (Vacuum Kit only).
- Do not use to vacuum materials such as chalk or cement, which would solidify on contact with water and affect operation of the unit (Vacuum Kit only).
- Make sure the unit is kept horizontal during operation.
- Do not direct the steam jet towards electrical or electronic equipment.
- Leave the unit to cool right down before cleaning it.
- Make sure the unit has cooled down before putting it away.
- The components of the unit must only be replaced by an authorized technician.
- Never direct the steam jet towards people, animals or debris.
- Keep your hands well away from the steam jet.

Safety regulations

▹ **DO NOT** place detergent or other chemical substances inside the boiler. Water contains magnesium, mineral salts and other substances than lead to the formation of scale. The best way to prevent the formation of scale is to use the scale remover provided with the unit. Further supplies can be obtained from an authorized distributor. The supplied product is a special natural decalcifier that pulverizes the scale.

WEAR SAFETY GOGGLES AND PROTECTIVE CLOTHING.

▹ This unit Is not suitable for use by children or anyone with impaired physical, sensorial or mental ability, or lacking the necessary knowledge and experience, unless they have been taught how to use the unit by someone responsible for their safety and are supervised at all times.

▹ Children must be supervised to make sure they do not play with the unit.

Correct use of the unit

This unit is intended for professional use as a steam generator and a liquid and solid aspirator (Vacuum Kit only) in accordance with the instructions in this handbook. Please read the instructions carefully and keep the handbook in a safe place for future reference.

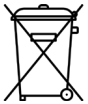
The MANUFACTURER DECLINES ALL LIABILITY for damage or injury caused by failure to use the unit in accordance with these instructions.

The unit is designed for use of detergents with pH between 5.5 to 7.5.

N.B. Use of products containing Chlorine and Ammonia are not allowed. With vacuum cleaner version use of foaming products are not recommended.

Disposal

The unit must be disposed of in accordance with art. 13 of Legislative Decree no. 15 of 25th July 2005, which "enacts Directives 2002/95/CE, 2002/96/CE and 2003/108/CE on the reduced use of hazardous substances in electric and electronic appliances, and on waste disposal".



The barred waste bin symbol on the unit means it must be disposed of separately from ordinary household waste at the end of its useful life.

The user is required to take It to an authorized collection center for electronic and electrotechnical waste, or return it to the dealer when purchasing an equivalent replacement.

Correct disposal of the unit will enable it to be recycled or treated in an environmentally compatible manner. Damage to the environment and human health will be prevented if all the materials of which the unit is made are disposed correctly.

The owner of the unit will be liable to prosecution if the unit is disposed in an illegal manner.

Technical data - EV ATLAS

Technical characteristics:

power supply	220 - 240 V - 50/60 Hz
total power	3.2 kW
working pressure	10 bar / 145 Psi
boiler power	3 kW
steam production	140 g / 4.95 oz per min
power absorption	13 A
start up time	10 min
boiler temperature	190 °C / 375 °F
boiler capacity	4 liters / 1.06 gallon
boiler material	INOX AISI 304
steam output regulation	manual steam control
water ejection	yes
water refill tank	5 liters / 1.32 gallon
detergent refill tank	5 liters / 1.32 gallon
body material	INOX AISI 304
power cable length	5 m / 16.4 ft
steam hose length	5 m / 16.4 ft

Description of the unit

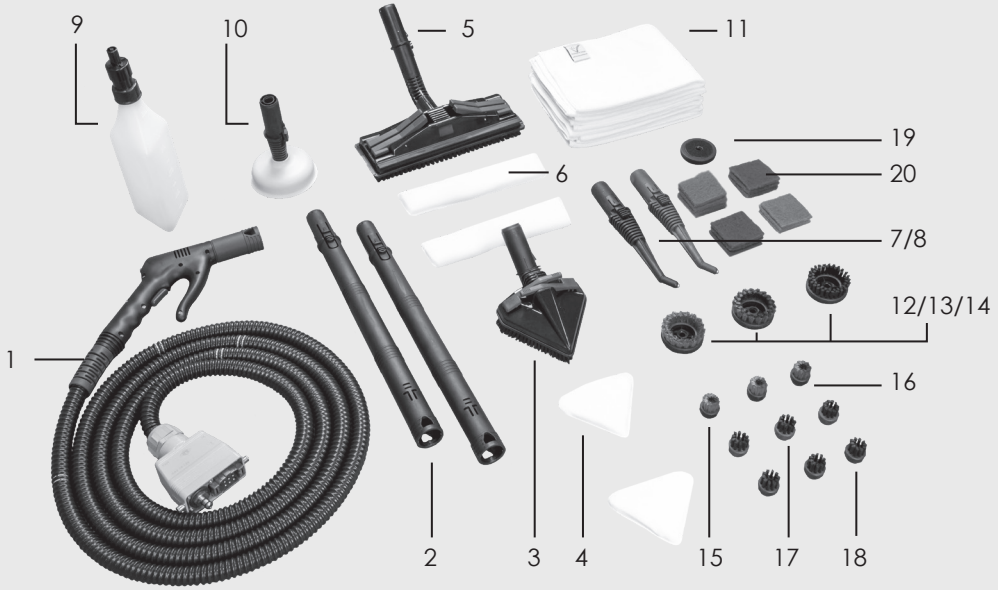
EV ATLAS is designed for cleaning, sanitizing surfaces, equipment and premises. The brand-new design of boiler produces dry saturated steam at a very high temperature and pressure to ensure thorough and effective cleaning. The accessories included in the supply allow an easy and practical use of the unit for different types of premises and cleaning.

Safety systems of the unit

- Pressure gauge for pressure control
- Low tension handle controls



Main parts - Steam Kit



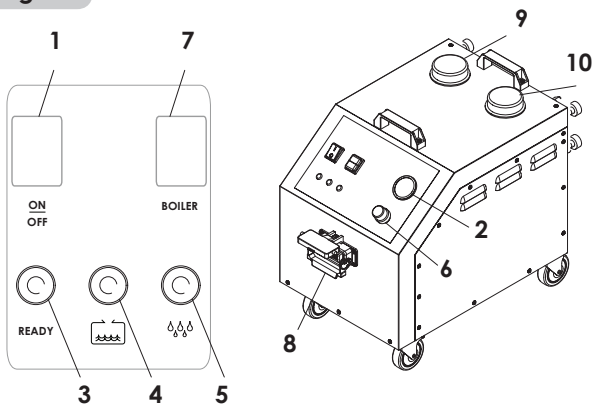
1. 1x 5 m steam hose
2. 2x Extension pipes
3. 1x Triangular brush
4. 2x Triangular pad
5. 1x Universal brush
6. 2x Rectangular pad
7. 1x Blue Point nozzle with metal brass tip
8. 1x Black Point nozzle with metal brass tip
9. 1x Bottle for filling
10. 1x Plunger - drain opener
11. 1x Thermofibers pack (5 pieces)
12. 1x Round copper brush Ø 60 mm
13. 1x Round stainless steel brush Ø 60 mm
14. 1x Round plastic brush Ø 60 mm
15. 2x Round copper brush Ø 30 mm
16. 1x Round stainless steel brush Ø 30 mm
17. 3x Blue Round plastic brush Ø 30 mm
18. 3x Black Round plastic brush Ø 30 mm
19. 1x Round scotch brite adapter Ø 60 mm
20. 4x3 different types abrasive pads (soft, middle, hard, very hard)

Preparation and use

Main controls and parts

1. Main switch
2. Pressure gauge
3. Steam pressure indicator
4. No water indicator
5. Detergent supply
6. Steam regulator
7. Boiler switch
8. Steam connection
9. 5 liters water tank
10. 5 liters detergent tank

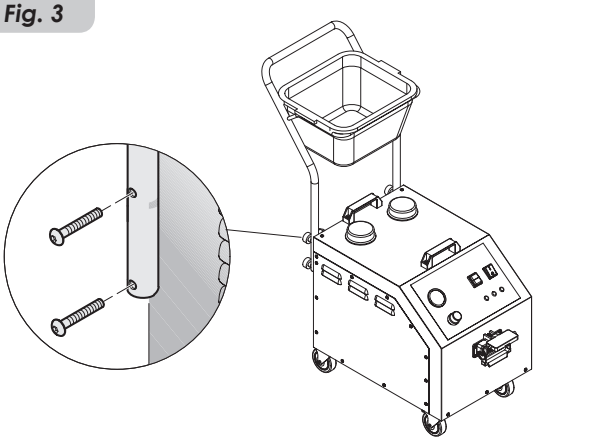
Fig. 2



Preparation - Handle installation

Secure the handle to the structure using the four fixture points. (Fig. 3)

Fig. 3



Preparation and use

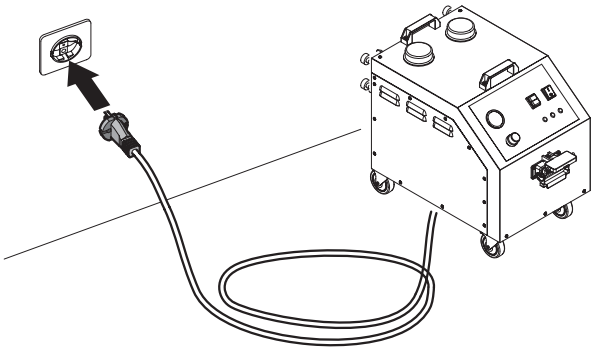
Unwind the cable and insert the plug into the socket of a suitable electrical system unless otherwise stated the unit is suitable for 220 V- 50 Hz connection (Fig. 4).

N.B. We will not be liable for any damage caused by operating conditions with voltages other than required! Make sure that the plug is grounded so as to avoid any problems with the generator function.

Turn on the unit using the main switch "1" and boiler switch "3" on the side of the control panel. (Fig. 5)

Fill the water tank with 5 liters of tap water. Never use any other substance (Fig. 6) When the tank is filled with water, the indicator 2 (Fig.5) and the acoustic signal switches off.

Fig. 4



DISCHARGE ANY RESIDUAL AIR IN THE BOILER DURING HEATING UP.

Fig. 5

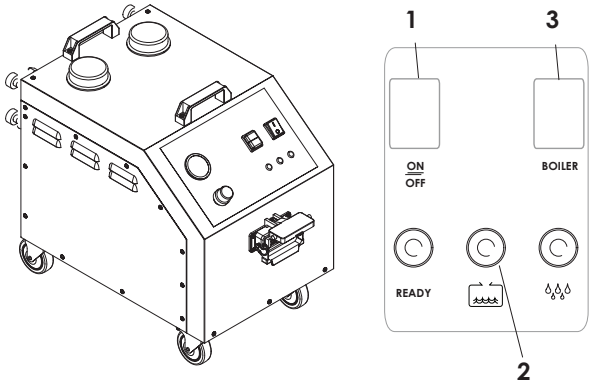
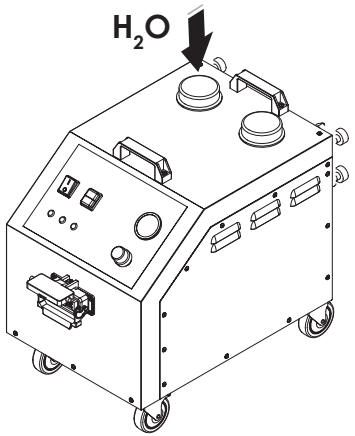


Fig. 6



Warming up the dry steam

Turn on EV ATLAS using the main switch "1" and boiler switch "4" on the side of the control panel. The green light "3" (Fig. 7) flashes during the warm-up. It stops flashing when the optimal pressure has been reached.

Steam regulation

The steam regulator "6" (Fig. 8) can be used to control the amount of steam output. The pressure gauge is present on the control panel. (Fig. 9)

Fig. 7

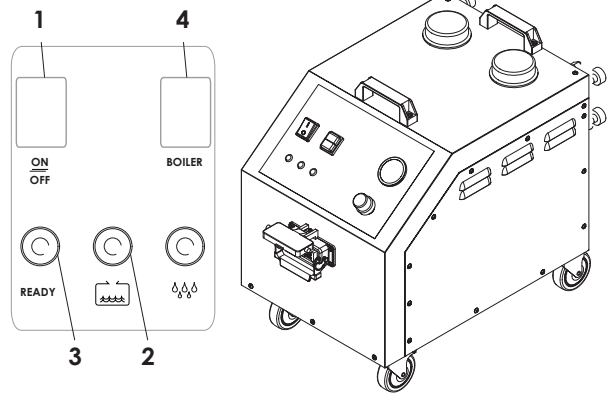


Fig. 8

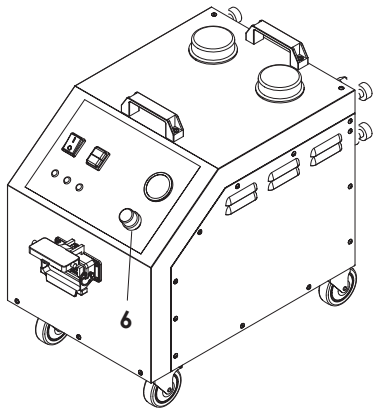
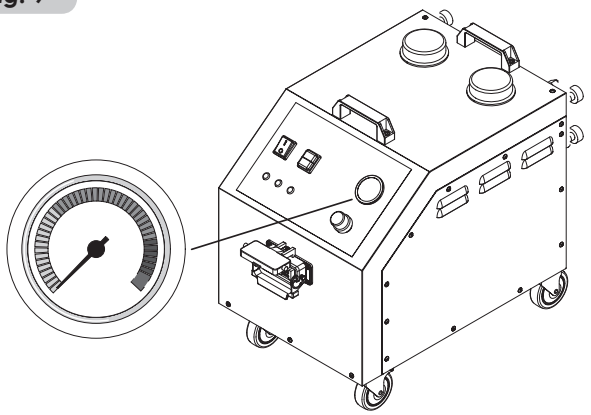


Fig. 9



Use of products containing Chlorine and Ammonia are not allowed. With vacuum cleaner version, use of foaming products are not recommended.

Preparation and use

First fill up

- If the boiler and tank are completely empty, all system functions are disabled.
- Assure the presence of water in the tank, and manually fill it up in case the water tank is empty.

With the tank full and the boiler empty, after powering the generator through the switches (see the page 11 Fig. 7), the system controls the water filling pump until the correct level is reached in the boiler. In this phase the heating element is deactivated.

Level adjustment

Boiler

Refilling is activated each time the level probe senses a low water level in the boiler. During normal level recovery, the heating element remains enabled for heating.

Refill water tank

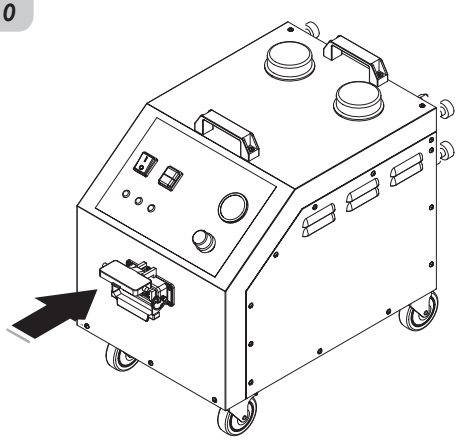
- Each time the tank level probe senses a low water level, the system immediately stops refilling operations and the signal lamp "4" (page 9 Fig. 2) starts blinking together with an intermittent acoustic signal.
- Refill the tank to reset the alarm. Switch off the unit and disconnect the plug while refilling.

WHEN THE RED LIGHT INDICATES THAT THE WATER TANK IS EMPTY, THE STEAM EJECTION FUNCTION IS BLOCKED UNTIL THE TANK IS REFILLED.

AVOID THE USE OF DISTILLED OR DE-MINERALIZED WATER NOT TO JEOPARDIZE THE EFFICIENT FUNCTION OF THE STEAM GENERATOR.

IF THE RED LIGHT AND ACOUSTIC SIGNAL BOTH REMAIN ON, SWITCH THE UNIT OFF AND TAKE IT TO THE NEAREST SERVICE CENTER.

Fig. 10



Flexible hose connection

Open the top lid of the hose connection, at the unit front, and insert the hose making sure that it is properly connected (Fig. 10).

Push from behind to move the unit, as shown in (Fig. 11)

DO NOT PULL THE UNIT FROM THE FLEXIBLE HOSE (FIG.11)

Steam control

Press button "2" (Fig. 12) to enable / disable the steam function. Press the trigger "1" on the handle to deliver steam and release to stop it (Fig. 12).

Fig. 11

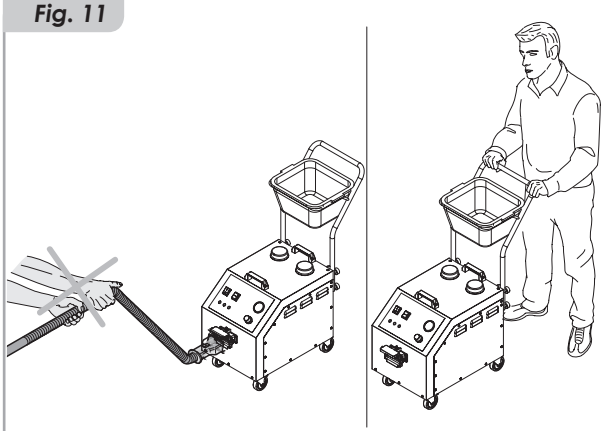


Fig. 12

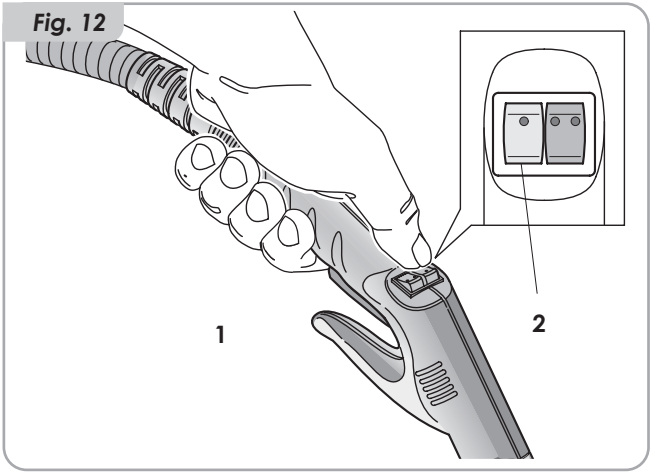
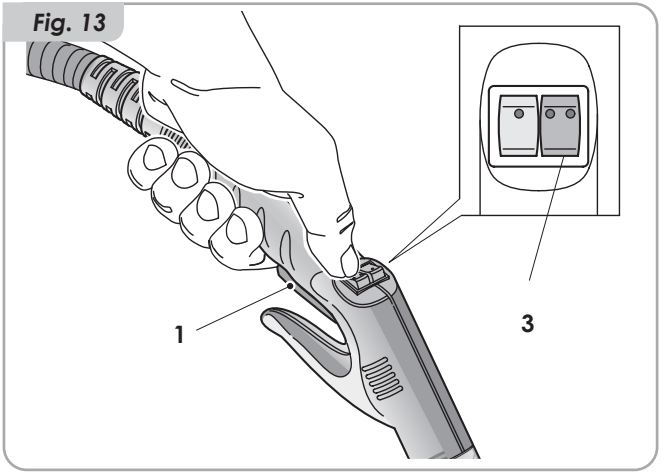


Fig. 13



TO AVOID INJURIES, NEVER DIRECT THE STEAM JET TOWARDS PEOPLE OR ANIMALS.

THE UNIT IS DESIGNED FOR USE OF DETERGENTS WITH pH BETWEEN 5.5 TO 7.5.

Steam / detergent control

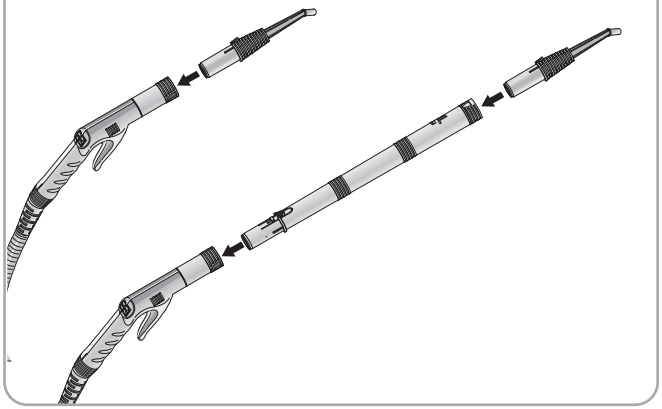
Press button "3" (Fig. 13) to enable/ disable the detergent function. Press the trigger "1" on the handle to deliver steam with detergent and release to stop it (Fig. 13).

Connecting the accessories

Connecting the accessories.

All the accessories provided can be attached simply by inserting the two ends, as shown in Fig. 14.

Fig. 14



Brushes

The brushes can be attached to the hose handle or to the extension pipes. The rectangular brush is usually used to clean floors and for large flat surfaces. On the Brush there is a key which allows:

- The rotation of the joint, when the lever is positioned in 🔓
- The joint lock, when the lever is positioned in 🔒
- The extraction of the joint, when the lever is positioned in ⬇

Rotating triangular brush

The rotating triangular brush is usually employed to clean small, delicate surfaces and for uneven and irregular surfaces (armchair fabric pleats). The steam is distributed directly on the bristles (Fig. 15).

Fig. 15

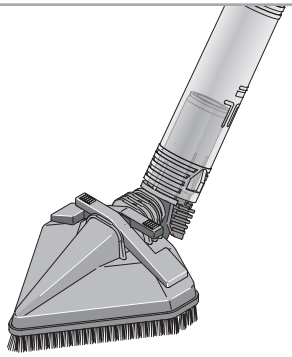
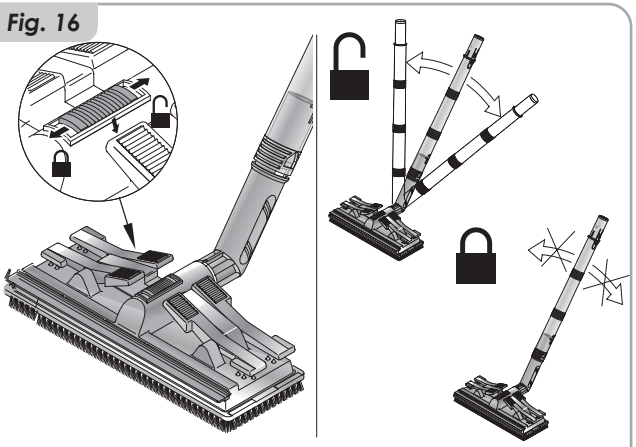


Fig. 16

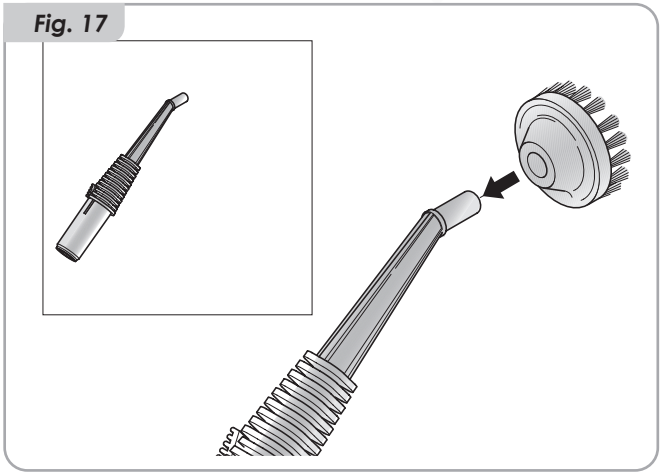


Connecting the accessories

Steam nozzles

The steam nozzle is recommended for regular cleaning. The nozzle must be fitted directly on the hose handgrip or on the extension pipes. It can be used coupled with the set of circular brushes (Fig. 17).

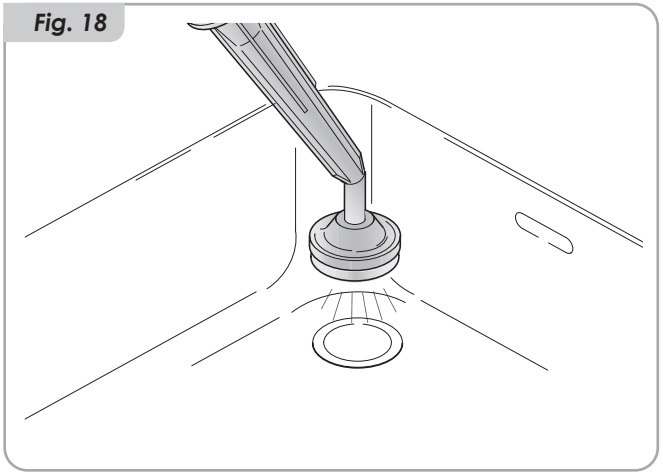
Fig. 17



Circular brushes

Circular brushes are used to obtain a better cleaning by coupling the mechanical strength of bristles with the power of the steam. They can be attached to the steam nozzle. (Fig. 18).

Fig. 18



NO NEED TO EXERT PRESSURE ON THE SURFACE TO BE CLEANED. IT IS THE POWER OF STEAM THAT CLEANS AND SANITIZES SAVING YOU EFFORTS AND TIME!

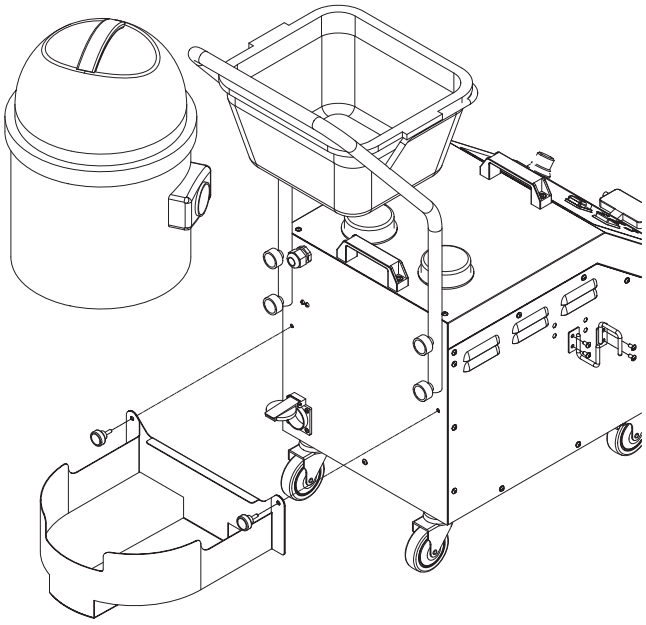
Technical data - Vacuum

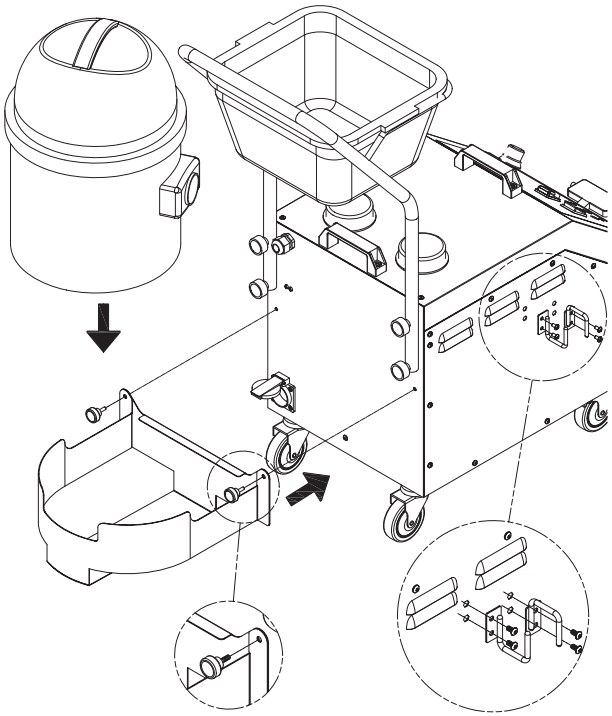
Technical characteristics:

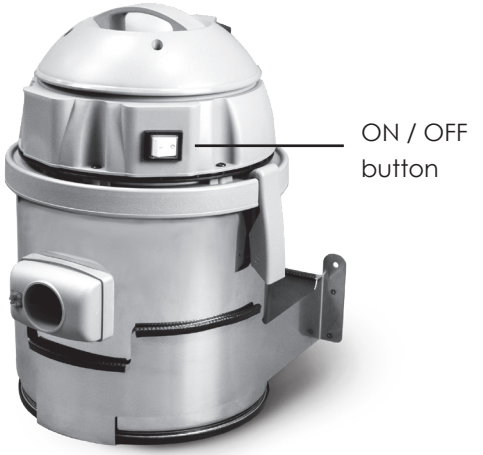
waste water tank capacity	15 liters / 4 gallons
vacuum power	1.3 kW
vacuum suction	1.2 kPA
vacuum filter	HEPA type
wet & dry	yes

WHEN USING WET VACUUM SUCTION PLEASE REMOVE THE FILTER INSIDE THE VACUUM CLEANER.

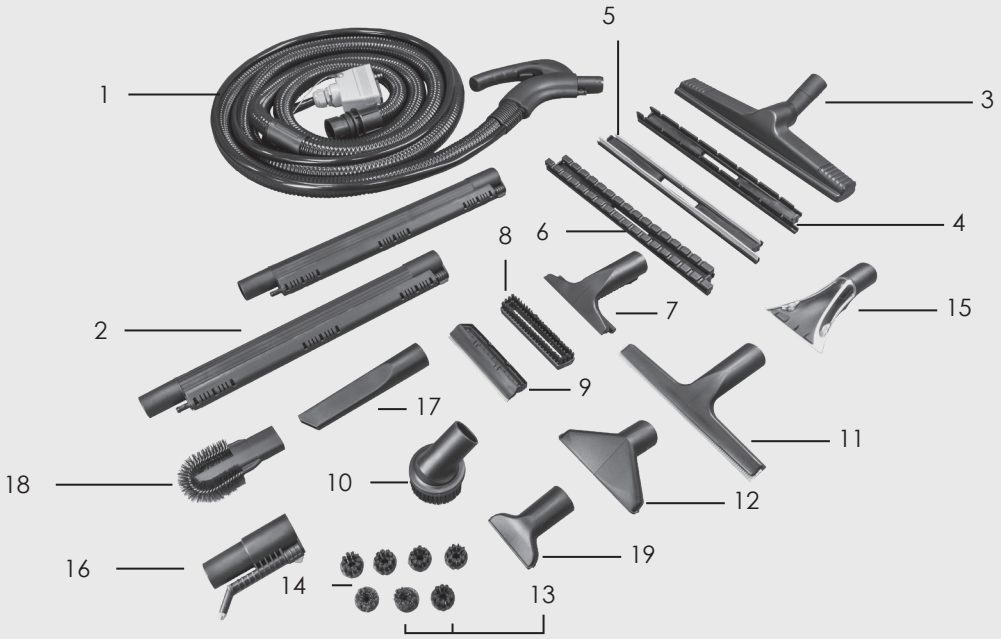
FOLLOW THE INSTRUCTION AND CONNECT THE VACUUM PARTS TO THE UNIT.







Vacuum kit - Optional



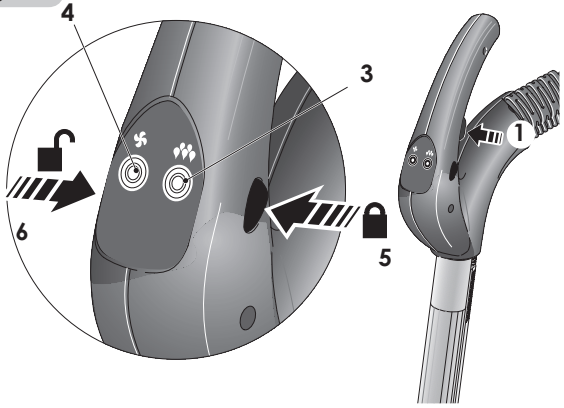
1. 1x Flex hose
2. 2x Extension vacuum pipes
3. 1x Steam and vacuum brush
4. 1x Frame for floor
5. 1x Frame for liquids
6. 1x Frame for carpets
7. 1x Steam and vacuum brush 150 mm
8. 1x Frame bristled 150 mm
9. 1x Squeege frame caoutchouc 150 mm
10. 1x Bristle brush for dust
11. 1x Squeege steam/vac cautch 250 mm
12. 1x Brush 140 mm
13. 2x Round copper brush Ø 30 mm
14. 5x Black Round plastic brush Ø 30 mm
15. 1x Transparent brush for upholstery
16. 1x Steam and vacuum nozzle with brass tip
17. 1x Nozzle
18. 1x Radiator black brush
19. 1x Grout vacuum brush

Vacuum kit

Steam function / steam and detergent function

Push the trigger “1” (Fig. 20) to eject steam. Steam trigger “1” can be inhibited by the safety lock on the handle side. Pressing the safety lock on the left side of the handle and the trigger will be blocked “5”. Pressing the safety on the opposite side the trigger will be released “6”. Press the trigger “1” and button “3” (Fig. 20) to deliver steam and detergent. Release button “3” to stop the delivery of detergent.

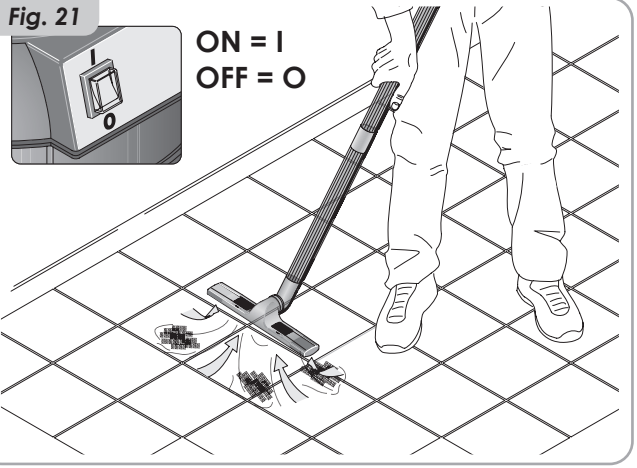
Fig. 20



Use a vacuum cleaner

If only the vacuum cleaner function is needed, turn on the switch placed on the suction panel (Fig. 21). Start vacuuming while pressing button “4” on the handle.

Fig. 21



Steam and vacuum function

During normal delivery of steam / detergent, press button "4" (Fig. 20) to activate the suction function together with the steam (Fig. 22).

DURING OPERATION, THE UNIT MAY REACH HIGH TEMPERATURES. DO NOT TOUCH THE PARTS THAT COME INTO DIRECT CONTACT WITH THE STEAM (E.G. NOZZLES ETC.). REMOVE THE HEPA FILTER FROM THE VACUUM CLEANER IF YOU USE THE STEAM AND VACUUM FUNCTION.

Steam and vacuum brushes

The brushes are used for both steam cleaning and suction. Depending on the surface use the most suitable tool (Fig. 23):

- Frame with double rubber, for steam and vacuum function
- Frame with double bristle, only for dry suction
- Frame with hard slide insert, for carpets

Fig. 23

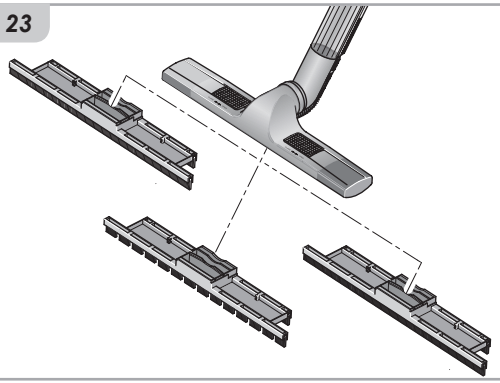


Fig. 22

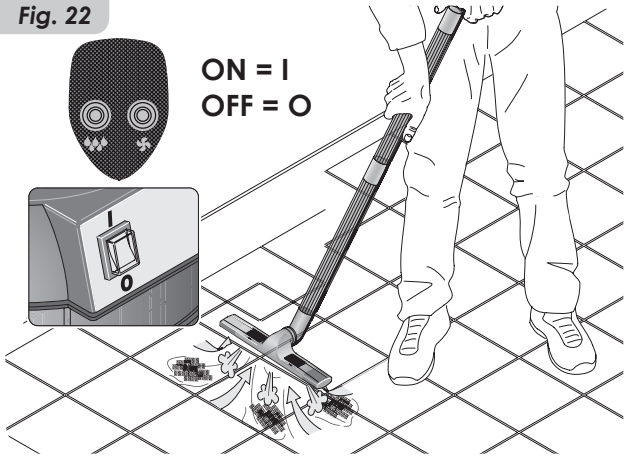
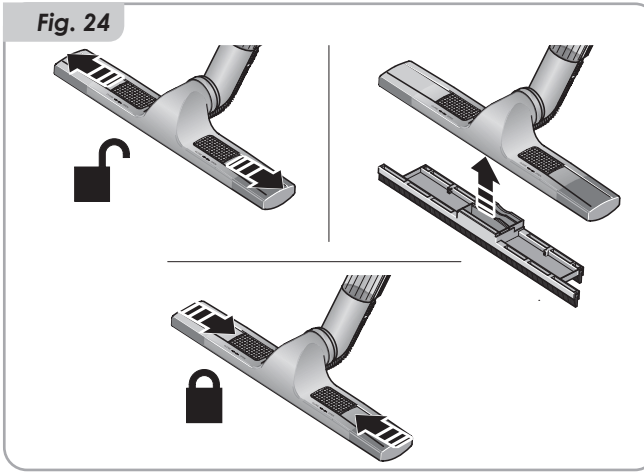


Fig. 24



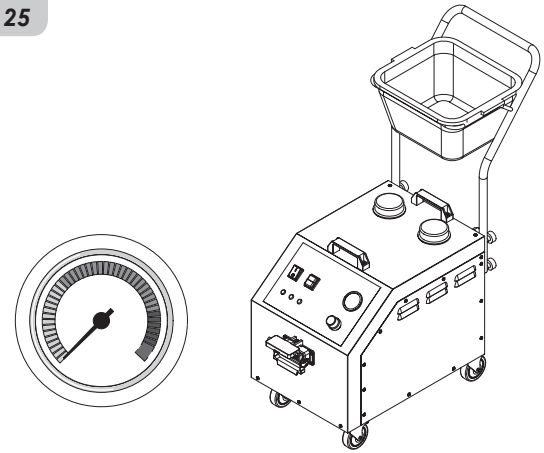
For the correct assembly of the frame, (1) release the securing hooks, (2) assemble the tool, (3) close the sealing hooks (Fig. 24).

Maintenance

ALL MAINTENANCE PROCEDURES ARE TO BE UNDERTAKEN WHEN THE BOILER IS COLD AND TOTALLY DISCHARGED OF PRESSURE (GAUGE INDICATOR POSITIONED TO "0"), THE POWER CORD UNPLUGGED FROM THE ELECTRICAL GRID.

This industrial steam generator requires descaling maintenance every 3 months. It is necessary to empty the water out of the boiler to remove any lime scale deposits. Loosen the cap on the base. Be sure to re-close the cap once the water has been totally discharged (Fig. 26).

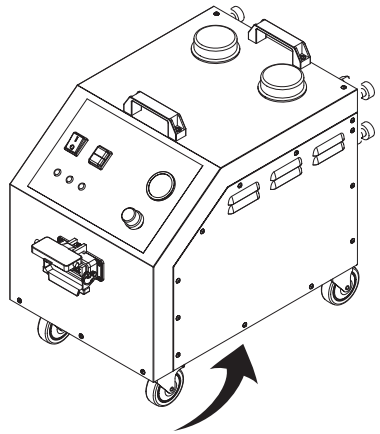
Fig. 25



Tank Cleaning

IF THE UNIT IS NOT USED FOR A LONG PERIOD, MAKE SURE THERE IS NO WATER LEFT IN THE TANK SO TO AVOID THE FORMATION OF ANY ALGAE OR LIME SCALE.

Fig. 26



Legal aspects

This user guide contains the information necessary for correct use, proper handling and skilled technical support of the unit.

Knowledge of and compliance with this guide is a condition for safe operation and safe maintenance of the unit.

Of course, this user guide cannot contain all possibilities for use.

If you need more information or have more questions, please contact us.

E V International Ltd.
Kostur 14A, BG-1618 Sofia
Phone: +359 2 400 77 36
office@ev-international.com
www.ev-international.com

Disposal and recycling

The materials from which the device is made, must not be discarded. In order to remove them as waste contact public points for processing and recycling or the supplier.

According to Art.13 of the Law enforcement No 151 of July 25, 2005 Implementation of Directives 2002/95 /EU, 2002/96/EU and 2003/108/EU for reduction of the use of hazardous substances in electrical and electronic equipment and removal of waste.

Crossed bin symbol on the appliance means that at the end of its use, the product should be removed separately from the other waste.

You'll have to hand over the device, that will no longer be used in the centers suitable for separate collection of electrical and electronic waste or to return it in the shop in case of buying a new appliance of this type.

Proper separation of instruments that undergo recycling, preparation and disposal as waste, which does not harm the environment, helps to avoid possible negative environmental impacts and health. It also favors the reuse of materials from which the device is made.

Unlawful removal of the product as waste by the user is punished by criminal law enforcement measures under Law enforcement 22/1997 (Art. 50 and following of the Law enforcement No 22/1997).

Legal aspects

CE

E V International Ltd., Kostur 14A, BG-1618 Sofia, declares on own responsibility that the device referred to in this declaration of conformity complies with the following safety requirements laid down in the Directives for the CE marking:

ELECTROMAGNETIC COMPATIBILITY
AND ELECTRICAL SAFETY

2014/30/UE

- EN 55014-1:2017+A11:2020
- EN 55014-2:2015
- EN 61000-3-2:2019
- EN 61000-3-3:2013

and meets the next harmonized standards:

2006/42/CE

- EN 60335-2-79: 2012
- EN 60335-1:2012 + A11:2014+A13:2017
  + A14:2019+A15:2021
  + A1:2019+A2:2019

Electric Heating Appliances
UL 499
Issued:2014/11/07
CSA C22.2 N.64.
Issued:2010/03/01 (R2014) Ed:7

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

* EV ATLAS + SANIX + EV H_2O_2 Silver Bio

Maintenance


















EV ATLAS



EV ATLANTIS

Hospitals & medical practices

Ambulances & vans

Veterinary clinics

Homes

Cars & motorbikes

Office buildings

Kitchens & catering

Shops & supermarkets

Schools & kindergartens

Theaters & cinemas

Beauty & hair salon

Fashion & retail

Hotels & restaurants

Sport halls & arenas

Spa & Gyms

Public transportation

Aviation

Yachts & maritime transportation

E V International Ltd.®
office@ev-international.com

www.ev-international.com

Made in Italy