

ATHENA

USE MANUAL



SEPARATOR



WATER FILTER



HIGH POWER



CE MARKING



MADE IN ITALY



INSTRUCTION



LANGUAGE

SAFETY RULES AND CAUTIONS

- The plug must be removed from the socket-outlet before cleaning or maintaining the appliance and after use.
- The appliance shall not be left unattended while it is connected to the supply mains.
- Do not use the machine without the lower drum.
- Do not fill the boiler tank with detergent or disinfecting products. (use only water).
- Do not turn the device upside down (the solenoid valve may get clogged).
- Do not suck flammable materials, explosives, concrete, ash, gypsum or any other material which might create a dangerous mixture.
- If substances such as: wine, alcohol, ammonia, detergents or corrosive products are sucked, the lower drum might be damaged. We recommend emptying and rinsing it well.
- Make sure the surfaces and the parts to be cleaned can withstand the steam (at the beginning we recommend using the steam on small surfaces).
- Do not use steam on velvet, satin and leather.
- Before connecting your device, check that the voltage corresponds to the one written on the technical plate (220/240V).

Do not use the appliance near people not wearing safety clothing.

WARNING: high power jets can be dangerous if used improperly. Never direct the jet towards people, animals, electrically powered appliances or towards the appliance itself.

- Never direct the jet towards yourself or other people for cleaning clothes and shoes.
- Use this device only for the functions it is conceived for.
- Disconnect the power supply before carrying out the maintenance operations.
- To disconnect the device, pull only the plug, never the cable.
- Be careful the supply cable does not touch hot surfaces.
- Never use the device if the feeding cable or its other important parts are damaged for example, safety devices, high pressure flexible tubes, handle with controls.
- To avoid any risks of being electrocuted, do not disassemble it.
- Avoid connecting more powerful household appliances to the same electric circuit.
- If an extension cable is needed, make sure it is provided with earth; the plug and the socket must be watertight.
- If the supply cord is damaged, it must be replaced by the manufacturer, its service agent or similarly qualified persons in order to avoid a hazard.

WARNING: unsuitable extension cables can be dangerous.

- Use an outlet provided with earth.
- Do not plunge the device into the water and do not use it in case of rain or snow.
- Do not sprinkle or wash the appliance.
- This appliance can be used by persons with reduced physical, sensory or mental capabilities or lack of experience and knowledge if they have been given supervision or instruction concerning use of the appliance in a safe way and understand the hazards involved.
- Children shall not play with the appliance.
- Children being supervised not to play with the appliance.
- Cleaning and user maintenance shall not be made by children without supervision.
- Keep the appliance out of reach of children when it is energized or cooling down.
- The appliance is not to be used if it has been dropped, if there are visible signs of damage or if it is leaking.
- Liquid or steam not directed towards equipment containing electrical components.
- Do not let the connected device be unguarded.
- Remember to disconnect the device before any cleaning or maintenance operation and at the end of every use.
- Let the device cool down before putting it back.
- Precautions during user maintenance: see "Maintenance of the hose" (pag. 5) and "Routine maintenance" (pag.7).
- Empty and rinse the lower drum after any use.
- For any repair, take the device to an authorised technical service.
- To ensure the safety of the appliance, use original spare parts supplied or approved by the manufacturer only.

WARNING: hoses, accessories and connections are important for the safety of the appliance; use parts recommended by the manufacturer only.

Any intervention carried out by non-authorised make the warranty forfeit. The manufacturer is not to be held responsible for any failure due to incorrect use and maintenance.



WARNING: DANGER OF SCALDING

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INTRODUCTION

WE THANK YOU FOR CHOOSING THIS PRODUCT MADE IN ITALY.
ATHENA IS THE RESULT OF A CAREFUL SEARCH CARRIED OUT BY PEOPLE KEEN ON CLEAN AND INNOVATION AND IT REPRESENTS THE NEWEST PRODUCT AMONG THE NEW-GENERATION MULTIFUNCTION DEVICES.

IT IS A SPECIAL, POWERFUL AND ECOLOGICAL MACHINE, IT DOESN'T NEED FILTERS OR BAGS TO BE REPLACED PERIODICALLY AND EXPLOITS THE NATURAL PROPERTIES OF WATER TO ENSURE MAXIMUM HYGIENE AND CLEANLINESS.

THANKS TO ITS SMALL OVERALL DIMENSION IT CAN BE HANDLED EASILY AND KEPT ANYWHERE.
WE RECOMMEND READING CAREFULLY THIS MANUAL TO DISCOVER ALL ATHENA FEATURES AND POTENTIALITIES.

MOREOVER, WE RECOMMEND STRICTLY FOLLOWING THE ADVISES AND CAUTIONS FOR A CORRECT USE IN ORDER TO ENSURE VERY GOOD RESULTS AND SAFETY.



WARNING: Read the present manual before using the appliance.

DESCRIPTION OF THE MACHINE

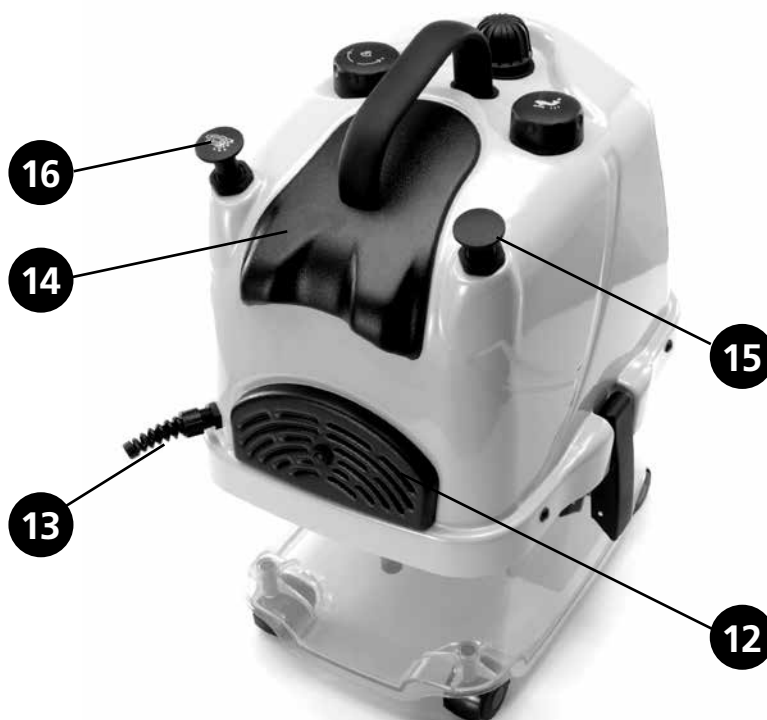
Front part

1. Opening to insert the hoses
2. Safety hook
3. Control panel
4. Steam adjusting knob
5. Boiler safety plug
6. Water tank plug
7. Upper cover
8. Handle
9. Lower drum
10. Closing hook
11. Wheels



Rear part

12. Filter cover
13. Feeding cable
14. Aeration cover.
15. Cord storage
16. Cord storage
16. Only for the plus version: Detergent tank plug.



MACHINE OPERATION

1st STEP: TANK FILLING

- Remove the plug (fig.1)
- Fill the tank with water by using the suitable bottle supplied (fig.2) and by respecting the maximum capacity of the tank (any excessive water will be automatically discharged in the lower drum)
- Put the plug again.
- When turning the equipment on or every time the boiler is emptied (e.g. for cleaning) fill the boiler with water through the opening of the safety plug (fig. 3), then close it by screwing the plug without pushing it too much to avoid damaging the seal.

NOTE: Use only the bottle supplied and avoid using any other object such as glasses and funnels to fill the tank. It may be overfilled. **DO NOT USE DISTILLED WATER.**



2nd STEP: LOWER DRUM FILLING

- Unhook the closing device and lift the upper cover up (fig. 4)
- Fill the lower drum with about 2 litres of clean water (fig.5)
- Reposition the cover by paying attention to the drum level indicator. It must be in the front part (fig.6)

IMPORTANT: to avoid motor damages during the suction check that the liquid contained in the drum does not exceed the level indicated on the drum itself (MAX) (fig.6), otherwise we recommend emptying the drum.



WARNING:

- Fill the lower drum only with water.
- Do not use fragrances-essential oils different from the ones approved by the Manufacturer. They may damage the drum.
- Empty and wash the drum after each use.
- To clean the drum, use natural soap and rinse with abundant water.

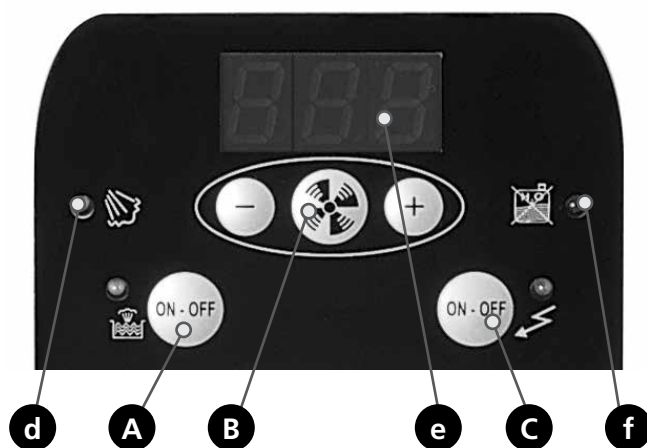
3rd STEP: TURNING ON

- Connect the supply cable to a 220V plug provided with earth. Three red lights appear on display "e".
- For the vacuum cleaner function: press push button "B" and adjust the power by means of keys +/-.
- For the steam function: press push button "a", after about six minutes pilot light "d" lights up and the device reaches the optimum working temperature and pressure. The steam must be adjusted by means of the knob (fig.7) according to the surface to be treated. The temperature remains displayed on the display. Once the other functions are selected, the display shows them about 5 seconds.



- For the "electrical accessories" function: press push button "C", the corresponding pilot light lights up and the writing "aCC" appears on the display.

NOTE: when pilot light "f" signalling that the water is finished is on, the flashing writing "H2o" appears on the display and in the meantime the steam delivery is stopped. In this case fill the tank with water. (step 1).



LIST OF THE PANEL FUNCTIONS

- A. Push button to turn the boiler on
- B. Push button to start and adjust the motor (+/-)
- C. Push button to start the electrical accessories
- d. Pilot light signalling the steam is ready
- e. Display
- f. Pilot light signalling the water is finished

POWER JET (ONLY FOR MODELS ATHENA 6 PLUS AND ATHENA 8 PLUS)



This function allows improving steam effectiveness in removing dirt, especially for the cleaning of carpets/mouquettes/quilts. An high pressure pump injects some liquid together with steam. It is possible to use normal water or, if necessary, a specific detergent diluted in water (dilution percentage: 2-10%).

START

Fill the tank through the rear opening of the machine (fig.1) and press the steam push button (push button A). When steam is ready (pilot light "d" on) press push button G, the corresponding pilot light will turn on. To select the desired programme, press push button G several times within 5 seconds:

LIST OF THE PANEL FUNCTIONS

- A. Push button to turn the boiler on
- B. Push button to start and adjust the motor (+/-)
- C. Push button to start the iron / carpet cleaner
- G. Push button Power Jet
- d. Pilot light signalling the steam is ready
- e. Display
- f. Pilot light signalling the water is finished

- P1 Minimum
- P2 Median
- P3 Maximum
- P4 Continuous jet



USE DETERGENTS APPROVED BY THE MANUFACTURER ONLY - NON FOAMING DETERGENTS -the use of different detergents or chemical products may compromise the apparatus safety.



NOTES: once the detergent has finished in the tank, the display will show the "dEt" message; at the same time, the detergent supply will stop. In such a case, fill the rear tank (see fig.1).

DETERGENT PUMP

If the detergent function is not to be used within a short time and or/ the machine is not to be used for some days, we recommend rinsing the detergent pump by doing as follows:

1. Empty the detergent tank by means of "P4" stopping the steam supply completely by means of the adjusting knob and keeping the steam push button of the handle pressed.
2. Fill the detergent tank with water.
3. Repeat phases 1 and 2.

OPTIONAL



DEGREASER

Multiuse concentrated liquid that is safe and effective for the most ingrained dirt

STEAM FUNCTION IN MANUAL MODE (ONLY FOR MODELS ATHENA 8 AND ATHENA 8 PLUS)

If you find any problem while recharging the boiler automatically, this mode allows you to use the steam function. By following these simple operations, the water recharge of the boiler becomes MANUAL instead of AUTOMATIC.

WE SUGGEST TO USE THIS FUNCTION ONLY IF IT IS REALLY NECESSARY.



1. When the machine is cold and it is not under pressure, fill the boiler through the opening of the safety plug (fig. 7a), then close it by screwing the plug and pressing it downwards
2. Press keys "A" and "C" at the same time for a few seconds, until the message "BAS" appears on the display
3. Make sure that the boiler pilot light is on (key "A") and that the pilot light of the electrical accessories is off (key "C"). Pilot light "D" will warn the user when the steam is ready.
4. When the hot water is finished, the message "H2O" will appear on the display, pilot light "F" will be on and the steam will not be supplied anymore; now disconnect the feeding cable, wait at least

20 minutes, then unscrew the safety plug a bit to release the residual pressure (PAY ATTENTION TO THE STEAM THAT MAY COME OUT).

After releasing the residual pressure, repeat these operations from point 1.

NOTES: DO NOT TURN THE BOILER ON IF IT IS EMPTY, SINCE THE RESISTANCE COULD BE DAMAGED (THE WARRANTY DOES NOT COVER THIS KIND OF DAMAGE).



WARNING: DO NOT TOUCH OR OPEN THE SAFETY PLUG WHEN THE BOILER IS ON OR WHEN IT IS UNDER PRESSURE! DANGER OF BURNING!



BOILER WASHING

1. Disconnect the feeling cable
2. Make sure that the boiler is cold
3. Fill the boiler with water through the opening of the safety plug (to wash it with a scale-remover, contact an authorized assistance service).
4. Connect the feeling cable. DO NOT TURN THE BOILER ON.
5. Adjust the suction power to the maximum level
6. Connect the hose to the machine and the proper accessory to the handgrip.

7. Insert the accessory tube until it reaches the boiler bottom.

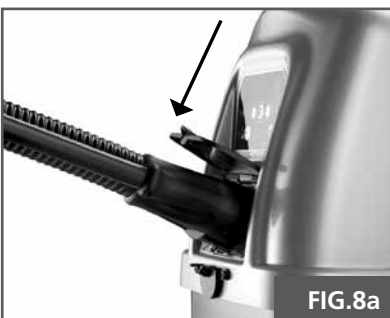
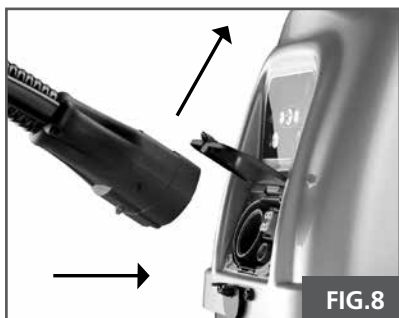
8. Suck the water until the boiler is completely emptied.

If it is necessary, repeat from point 1, until the sucked water is clean.

NOTES: WHEN THE BOILER IS WASHED, FILL IT WITH BOILER (FOR THE NEXT USES) BEFORE CLOSING THE SAFETY PLUG.

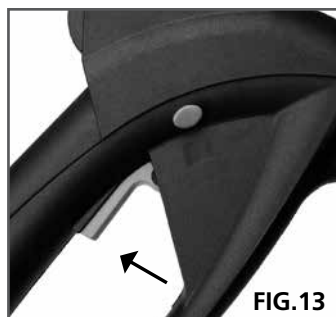
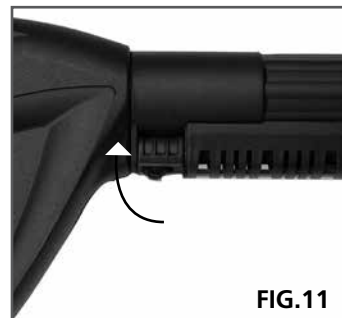
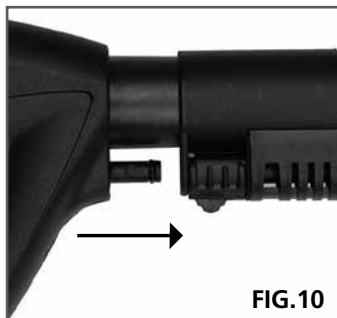
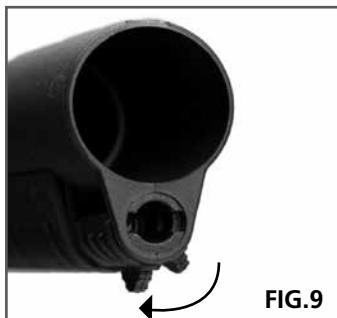
4th STEP: HOSE CONNECTION

- To connect the hose, move upwards the door covering the plug (fig.8), insert the plug and close the door by making sure the pawl is into its proper seat (fig.8a).
- Fix the safety hook placed under the plug unit (fig. 8b) by turning it 180°.



5th STEP: ACCESSORY STARTING

- All the accessories carry out the double function of suction and steam. They fit in directly on the handle or on the extensions.
- Move the ring nut to open position (fig.9).
- Fit in the extension hose or the accessory (fig.10).
- Move the ring nut to close position (fig.11).
- Press the push button located on the ergonomic handle to turn the suction on and off (fig.12).
- Keep pressed the push button located under the handle to deliver the steam and release it to interrupt the delivery (fig.13).



NOTE: some water may create in the hose. It may come out during the first seconds of use.

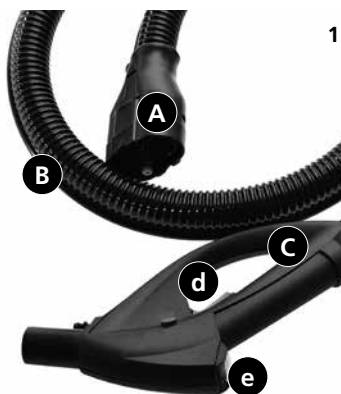


WARNING: do not use steam on electric fixtures which are on or energized!

ACCESSORIES SUPPLIED WITH THE MACHINE

1. Handle with hose
2. Multifunction brush
- 2A. Fitting for liquid suction
- 2B. Fitting for carpets
- 2C. Universal fitting
3. 250mm window cleaner
4. 150mm nozzle
- 4A. Window cleaner fitting
- 4B. Fitting with bristle
5. Steam lance adapter
- 5A. Bristle brush with 30mm diameter
- 5B. 80mm nozzle
- 5C. Lance
6. Extensions
7. Tank filling bottle





1. HANDLE WITH HOSE

- A. Plug.
- B. Hose.
- C. Handle.
- d. Steam push button.
- e. Suction push button.

MAINTENANCE OF THE HOSE

After every use we recommend rinsing the hose by sucking one/two litres of water from a basin to prevent the dirt from settling on the internal walls. Then, hook it, so that it can get dry.



2. MULTIFUNCTION BRUSH

It is equipped by an articulation which allows it to turn 360°. This brush can clean areas difficult to be reached (under the furniture and the beds, on high cupboards, etc.) and various kind of floor, carpets, etc.

To use the desired fitting on the brush, just insert it and by keeping it pressed, move the orange sliders inwards (fig. 2). To remove the fitting, move the sliders outwards.



2A. FITTING FOR LIQUID SUCTION

It is fitted to clean floors, plastic coatings, marble, etc..

Steam the surface to be cleaned and then suck; the result is a perfectly clean and dry surface.



2B. FITTING FOR CARPETS

The rounded shape allows sliding and cleaning carpets and fitted carpets more easily.



2C. UNIVERSAL FITTING

It can be used as vacuum cleaner on floors, tiles, plastic coatings.



3

3. WINDOW CLEANER

The window cleaner is particularly suitable for the cleaning of windows and mirrors.

For the use refer to point 4A.

NOTE: in winter the windows must be previously warmed by using the accessory at a distance of 10/15 cm. before starting cleaning



4

4. 150MM NOZZLE

It is a brush on which the following fittings can be assembled:



4A

4A. WINDOW CLEANER FITTING

Ideal to clean "English" windows. For a correct use we recommend warming the accessory by keeping the steam push button pressed for some seconds and steaming in the air. Then proceed with the cleaning.

It is possible to steam and suck at the same time or separately. We recommend using the window cleaner from the top to the bottom by keeping it well pushed on the window.

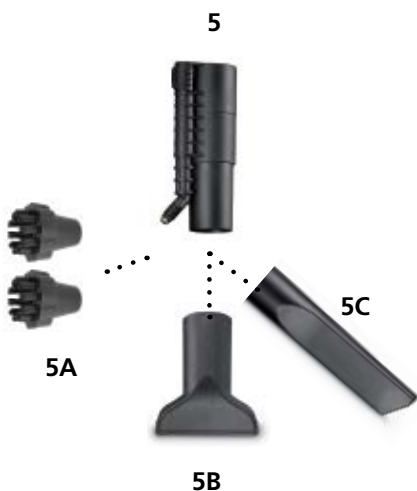


4B

4B. BRISTLE FITTING

It can be used to clean sofas, armchairs, seats, etc.

For a correct use steam and suck by keeping pressed the brush against the surface so that the dirt can be easily removed.



5

5A

5C

5B

5. ADAPTER FOR THE STEAM LANCE

5A. Bristle brush diameter 30mm

5B. 80mm nozzle

5C. Lance

Particularly recommended to clean shower boxes, grills, fly screens and the spaces between the tiles etc. Ideal also for the defrosting of freezers or refrigerators.

IMPORTANT: adjust the pressure of the steam according to the type of surface. Pay attention to the more delicate surfaces.



6

6. EXTENSIONS

Essential to clean floors, washable walls or high windows. They can be used combined with any other accessory.



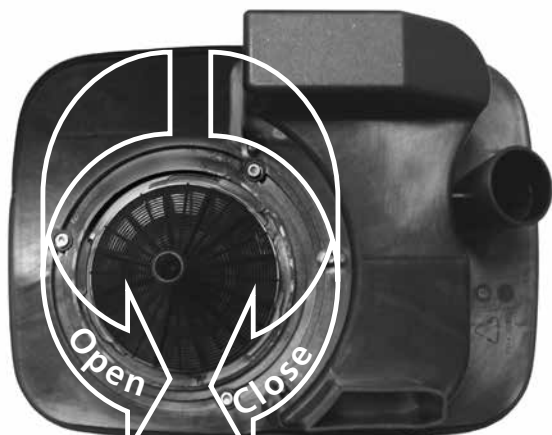
7

7. BOTTLE TO FILL THE TANK

ROUTINE MAINTENANCE

MOTOR SUPPORT (D)

It is located under the upper cover. For the cleaning at first we recommend disconnecting the device. Use only a wet cloth. Do not use direct water jets (i.e.: shower, tap, etc.).

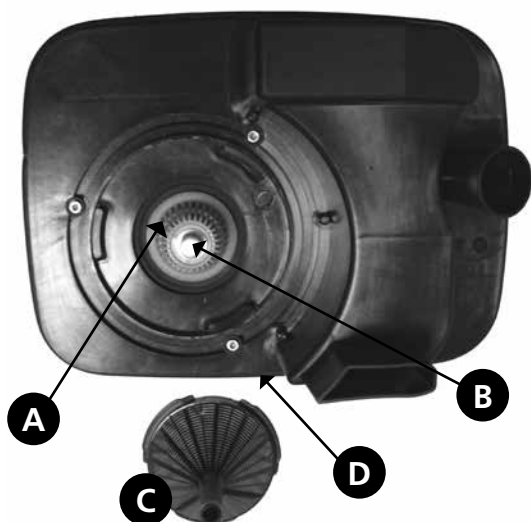


DO NOT INCLINE THE MACHINE MORE THAN 45°.



FILTER AND SEPARATOR

The plastic filter (C) is fixed on the motor support (D). To remove it, just turn it anticlockwise. Wash it with water. Once the filter has been removed you can see the "conic molecular separator" (A). This separator must be periodically washed with water. To remove it loosen the knurled screw (B) and take it out from its seat. Pay attention when inserting it again since it is provided with a fastening seat. Turn the knurled screw clockwise by using your hands and without fastening too much. Never use the machine when the plastic filter is not inserted.



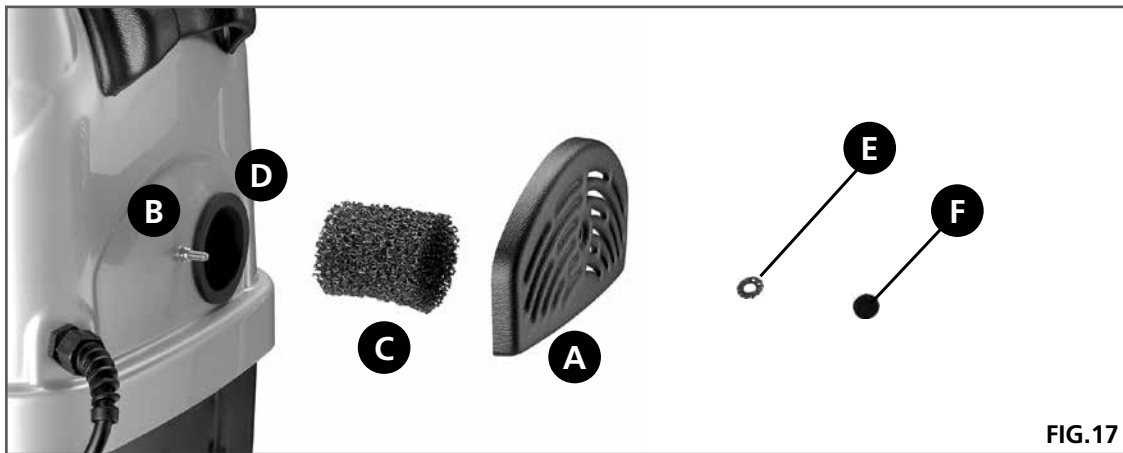
- A. Molecular separator.
- B. Knurled screw.
- C. Filter.
- D. Motor support.

SPONGE FILTER

The filter cover (A) is located in the rear part of the machine and can be removed by unscrewing the stop nut (F) (fig.17-18).

Once the filter cover has been removed, you can reach the silencer filter (C) which is located in the motor air outlet (D). We recommend cleaning it periodically by washing it with water.

- A. Filter cover.
- B. Coupling pin
- C. Silencer filter
- D. Air outlet
- E. Washer
- F. Stop nut



TROUBLESHOOTING

Sometimes problems arise from causes which can be easily removed by carrying out simple checks.

PROBLEM	CAUSE	SOLUTION
Insufficient suction	<ul style="list-style-type: none"> · The plastic filter of the separator is dirty or clogged · Power is too low · The hose is clogged · The lower drum is full 	<ul style="list-style-type: none"> · Clean the filter · Increase power · Disconnect the hose and remove dirt · Empty the drum and restore the minimum level with clean water
The motor is noisy	The lower drum is full	Empty the drum and restore the minimum level with clean water
When the boiler is ready, steam does not come out	Adjustment is low	Increase the output power
When the boiler is ready, steam does not come out and the display shows the message H2o	Water has finished in the tank	Fill the tank by means of the proper bottle
The extension hoses or the accessories loosen easily	The fastening ring nut is not in its correct position	Fix the fastening ring nut in its proper position
The extension hoses or the accessories are not coupled easily	<ul style="list-style-type: none"> · Gaskets are not lubricated · Gaskets are damaged · The fastening ring nut is not in its correct position 	<ul style="list-style-type: none"> · Lubricate gaskets by using teflon grease or hand cream · Replace gaskets with those supplied · Put the fastening ring nut in open position
Light water/steam escape from the couplings (of: accessories, extension hoses, hose)	Gaskets are damaged	Replace gaskets with those supplied. Lubricate gaskets by using teflon grease or hand cream
The controls on the hose handle do not respond	The plug unit of the hose has not been connected properly	Connect the plug unit until the door is properly closed
The hose loosens from the machine	The plug unit of the hose has not been connected properly	Connect the plug unit until the door is properly closed

If, after carrying out these checks, the appliance does not work,
please contact the Technical Assistance Service or the Dealer

DATA SHEET	ATHENA 6	ATHENA 8
Dimension (cm.)	37 X 30 X 50h	37 X 30 X 50h
Voltage	220 - 240 Volts	220 - 240 Volts
Frequency	50 - 60 Hz	55 - 60 Hz
Feeding cable	7,5 m	7,5 m
Boiler material	stainless steel	stainless steel
Boiler autonomy	unlimited	unlimited
Boiler volume	2,0 l	2,4 l
Boiler recharge system	automatic	automatic + manual
Resistance absorption	1800 W	3000 W
Steam pressure	6 Pa	8 Pa
Steam preparation time	9 min.	6 min.
Hose length	2,2 m	3 m
Turbine engine power	1200 W	1200 W
Sound level	Lpa 87,0 dBA - LWa 88,0 dBA	Lpa 87,00 dBA - LWa 88,0 dBA
Tank collection capacity	Max 5,5 l	Max 5,5 l

SAFETY

Device stopping the circuit at tank and boiler level

Thermostat

Pressure switch

Engine fuse

Internal safety valve

External safety valve (safety plug)

Safety plug which cannot be unscrewed

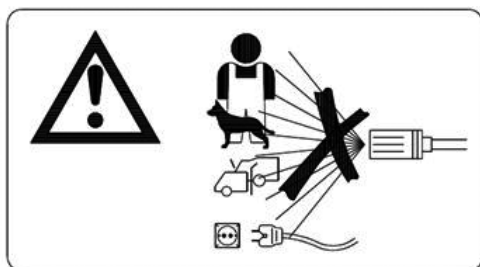
Low voltage electrical controls

Equipment complying with the Low Voltage directive 2006/95/EC

Product standards EN 60335-1, EN 60335-2-2, EN 60335-2-54

Degree of protection IPX4

WARNING: DANGER OF BURNS.



WARRANTY AND TECHNICAL SERVICE

For any malfunction, please contact your dealer or the Technical Service.

Never repair your device on your own. The regulations at the basis of its manufacture might break and consequently the warranty might forfeit.

The warranty forfeits also when any intervention is carried out by non-authorized staff.

WARRANTY COUPON

DATE OF SALE:

MODEL:

SERIAL NUMBER:

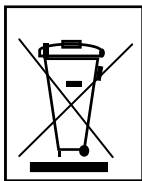
DEALER STAMP:



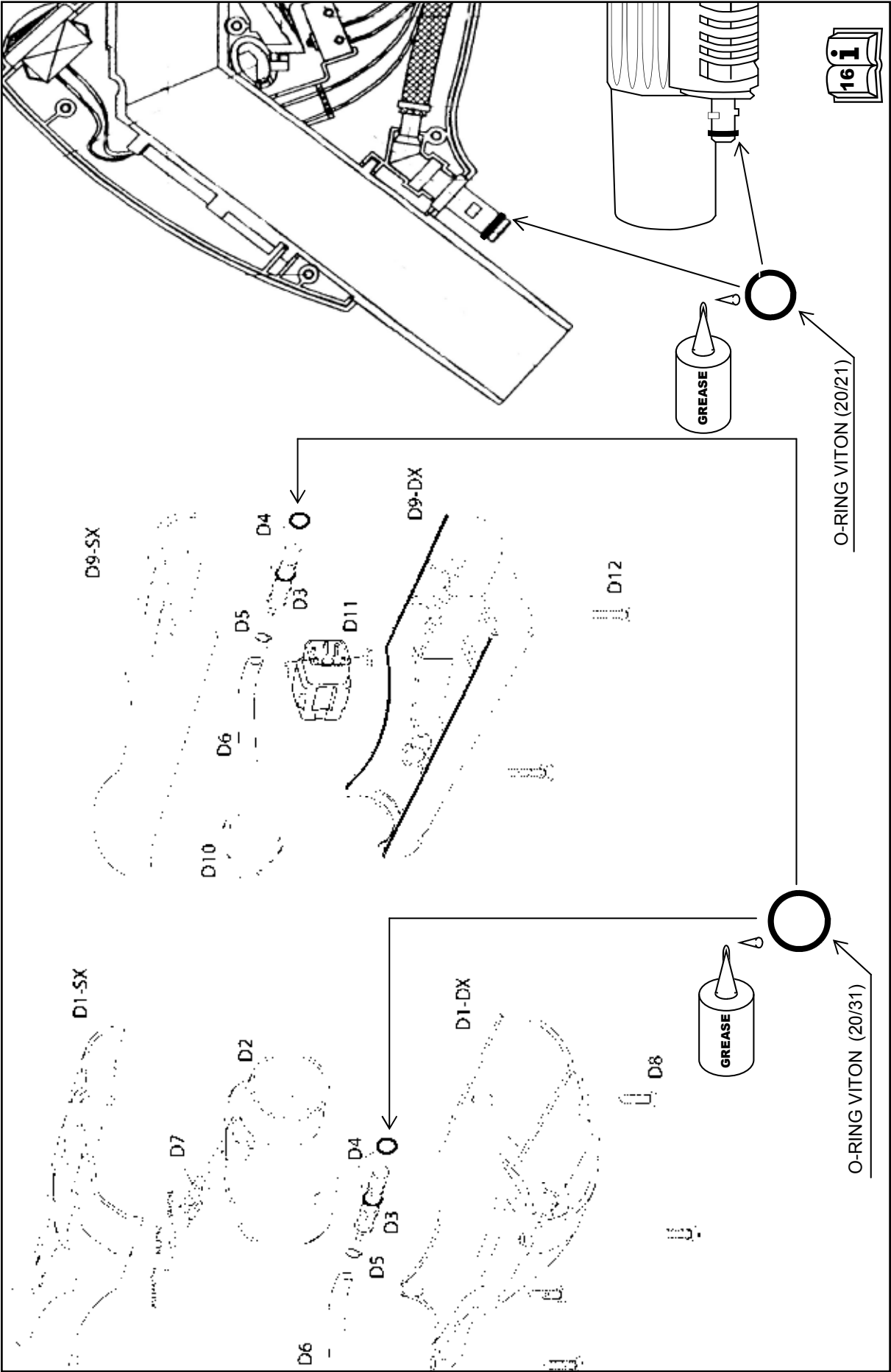
CONDITIONS

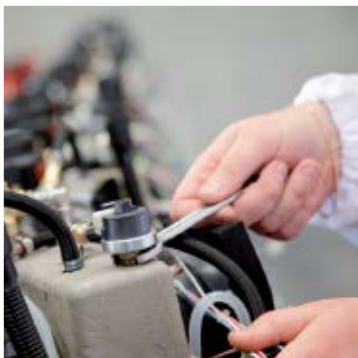
The device sold is guaranteed according to the Law for possible manufacture failures. During this period, the faulty components are replaced free, if the failure is not caused by collisions, falls, fires, short circuits or by an improper use. The non-working device or the faulty parts are to be sent carriage free to our Company or to the authorised Technical Service. We send the repaired components back carriage paid to the purchaser address.

INFORMATION FOR THE USERS ON THE DISPOSAL OF OUTDATED ELECTRIC AND ELECTRONIC DEVICES (FOR PRIVATE FAMILY UNIT)



This symbol on the products and/or on the documents means that the electric and electronic products used are not to be disposed of with generic household waste. For a correct treatment, reutilization and recycling take these products to the collecting points, where they are accepted free. Alternatively, in some Countries the products could be given back to the local dealer when purchasing another equivalent product. A correct disposal of this product will allow saving precious resources and avoid possible negative effects on the human health and on the environment. For further details, contact the local authority or the nearest collecting point. In case of wrong disposal, penalties may be applied according to the Local Law. For the Companies of the European Union: if you wish to dispose of electric and electronic devices, contact the dealer or the supplier for further details. Information about disposal in Countries not belonging to the European Union. This symbol is valid only in the European Union. If the device should be disposed of, contact the local authority or the dealer and ask for information about a correct disposal.





The entire range is exclusively made in Italy, in full respect of EC directives, with Italian components, to ensure maximum reliability, efficiency and durability.

Genuine Made in Italy.

**ADVANCED
SOLUTIONS**

MAXIMA
ADVANCED SOLUTIONS

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