



**USE AND MAINTENANCE INSTRUCTIONS FOR
THE SELF-CONTAINED CLEANING MACHINE**

AVB4X



READ THESE INSTRUCTIONS CAREFULLY BEFORE USING THE MACHINE

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Safety Instructions (read carefully)

Every electrical device must be used for its particular function only, respecting the manufacturer's instructions. Failure to adhere to the instructions could result in serious bodily injuries to the operator (shock, electrocution, etc.).

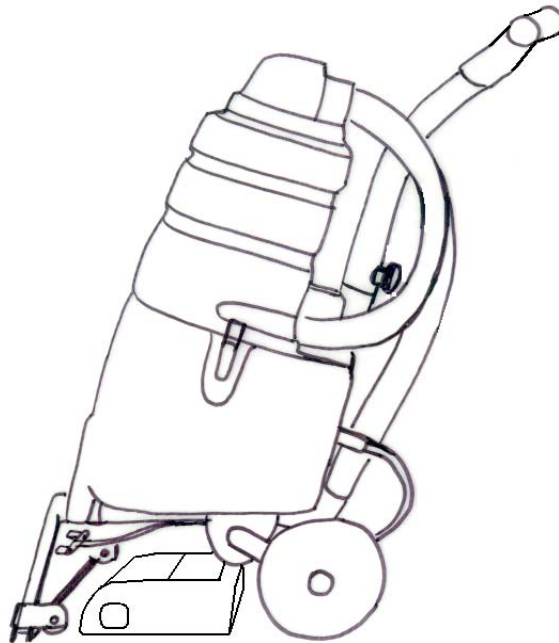
Please, read these instructions carefully and be sure to understand them before using the machine.

- Be sure that the electrical system is well grounded.
- Do not use adapters or multiple sockets.
- If any electrical extension is used, ensure that it is the right gauge of wire.
- Inspect the cable before use. Do not repair the cable, in case of tears replace it with a new one.
- Do not pull the machine by the cable to move the machine.
- Do not pull the plug out of the socket by the cord
- Pull the plug out only when the machine is switched off.
- Do not handle the plug with wet hands.
- Do not spray water near the outlets.
- Do not use the machine to spray or to suck corrosive liquids (acids or bases), explosive or inflammable liquids or dust.
- Do not use the machine in an explosive atmosphere.
- Do not let the machine to be used by children and persons unable to understand the danger connected with using electrical power.
- Do not bring the end of the suction hose or one of the accessories near your face or others. Particularly near ears and eyes, the air suction could seriously damage them.
- If the machine is used as a wet vacuum cleaner, you should empty the water out of the recovery tank when it reaches $\frac{3}{4}$ full. This will prevent your vacuum motor from being damaged.
- If the chemical you are using produces foam, or if you are washing a carpet previously treated with shampoo, you must put some de-foamer into the recovery tank. The foam sucked by the motor can damage it in the time.
- In case of abnormal working (very noisy motor, not running pump, extreme temperature rise, or other suspicious signals) switch off the machine and pull out the plug.
- After using, store the machine, well cleaned, in a dry closed place.

Attention: all the electrical repairs must be performed by qualified personal.

General

Two high-density polyethylene tanks, kept together with elastic hooks, compose the body of the carpet-cleaning machine. The upper tank is meant to contain the dirty water sucked from the carpet, while the lower tank is meant to contain clean water and detergent. The lower tank also contains the vacuum motor, the pump and the control panel. The vacuum head, the spray nozzle and the rotating brush are situated below the lower tank.

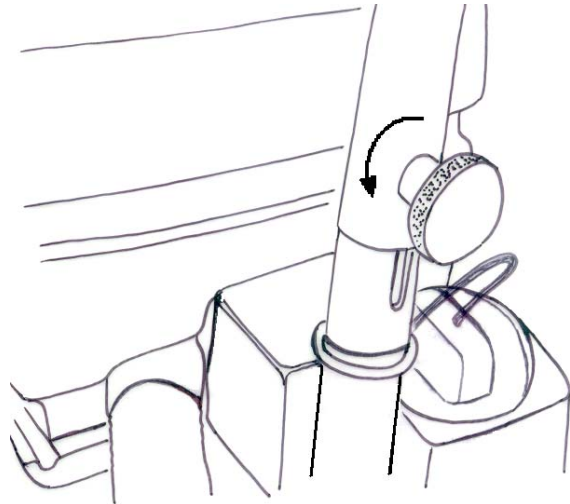
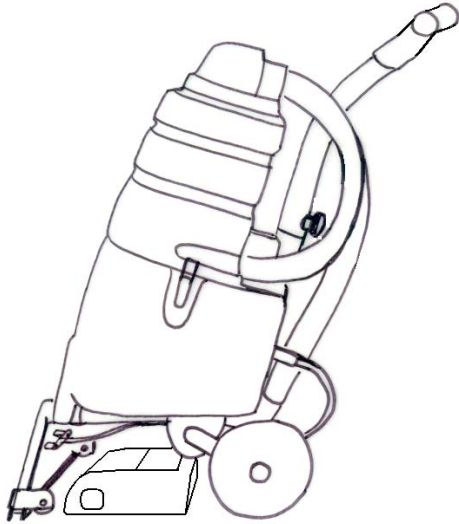


Preparation for Work

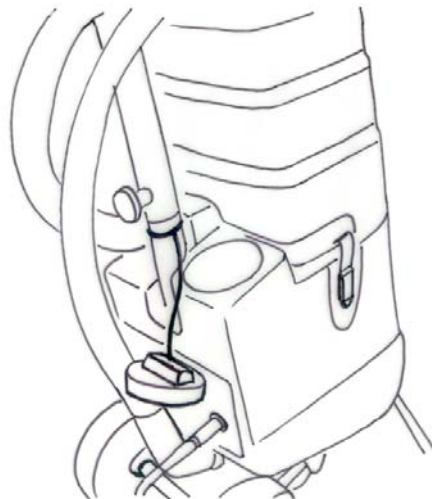
The carpet cleaning machine AVB4X is designed to clean both large areas of carpet and hard floor. It is also possible to clean upholstery, inside of cars or hard-to-reach areas, by using additional accessories, which must be connected to the machine with connecting hoses (see paragraph Use with Accessories).

The following steps explain the necessary operations to prepare the machine for use:

1. Put the machine in the normal working position and regulate the height of the handle.



2. Fill in the lower tank (solution tank) with cold or warm water, through the filling hole, add a de-foaming detergent.



While filling the lower tank, pay attention to avoid overfilling the tank and to prevent water from spilling. Always keep in mind the dangers connected of spilling water on electrical components.

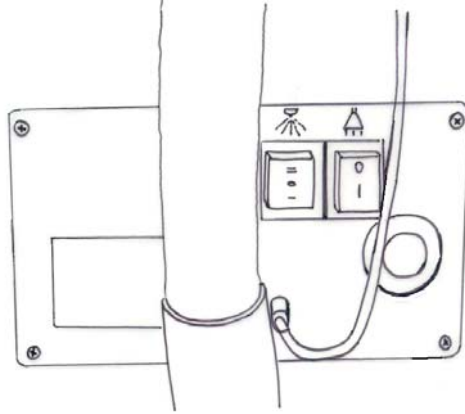
3. Close the filling hose with the cap.

4. Insert the plug of the cable into a wall socket (see [Safety Regulations](#)).

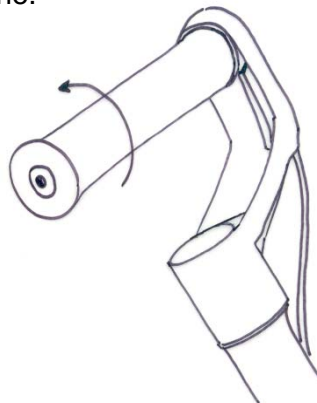
Use as a Self-contained Machine

In this mode the machine washes and dries with the spray nozzle and the vacuum head, which is situated below the body of the machine.

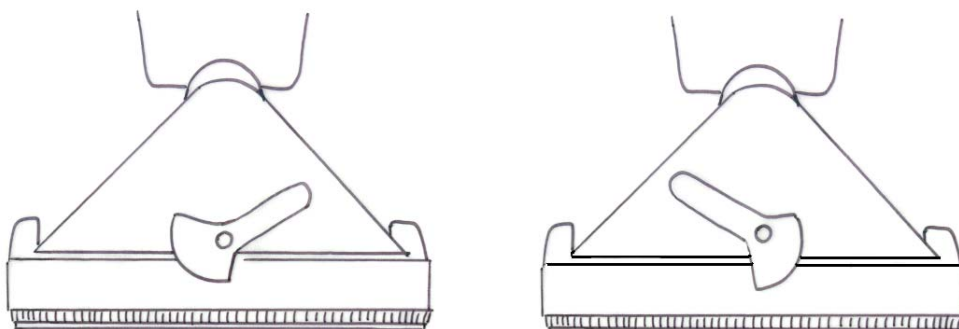
To switch on the machine you must act on the switches on the control panel:



1. Set to position "I" the switch of the vacuum motor.
2. Set to position "I" the pump switch. In this way the solution pump works only while you rotate the hand grip of the machine.



3. To clean carpets, rotate the lever on the vacuum head towards the right side. To clean hard floors, rotate it towards the left side.

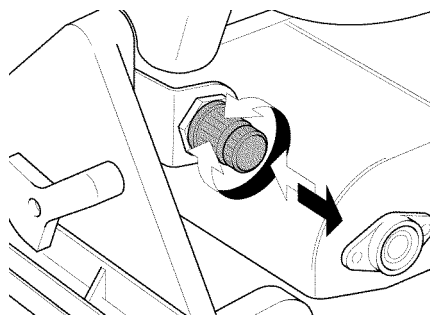


4. To activate the rotating brush switch the power to "on", the switch is located near the vacuum head.

IMPORTANT: Before each use, it is necessary to regulate the pressure of the rotating brush. Pull the dedicated knob and rotate, in order to regulate the pressure of brush on the hard floor or carpet surface. If the brush is too aggressive on the carpet or hard floor surface, the motor may be overloaded and the thermal protection will intervene, to avoid damage to the brush motor.

In this case, it is necessary to raise the brush.

The repeated intervene of the thermal protection may result in damage to the brush motor, which cannot be covered by warranty. Therefore, it is important to adjust the pressure before each use.



Attention: Do not use the machine as a vacuum cleaner!

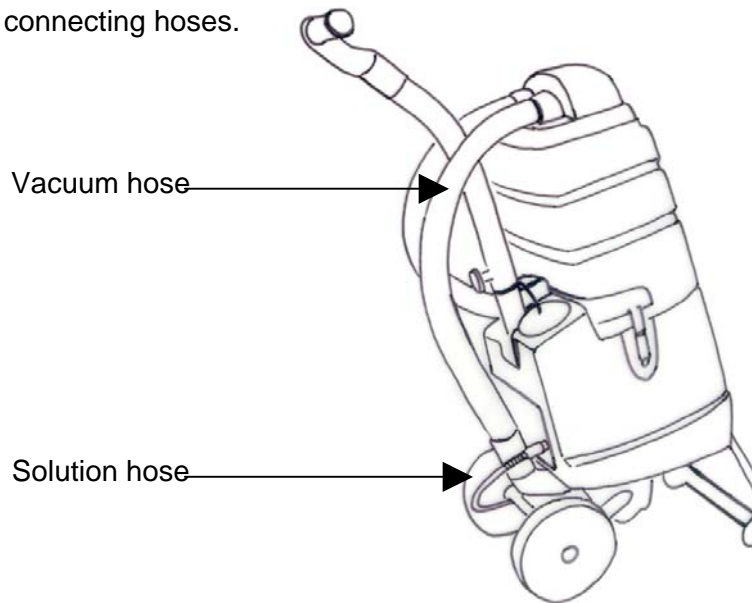
Do not let the pump function without water! Check the level of water in the lower tank, while using the machine. As soon as it becomes empty you must switch the machine off, empty the upper tank (which then will be full) and fill the lower tank before turning the pump on again.

Use with Accessories

In this mode the machine works as a classical extractor, for which you clean a surface by using accessories, which are external to the machine body.

After filling the tanks with solution and inserting the plug in the wall outlet (see the Paragraph Preparation for work), you need to perform the following operations:

1. Connect the machine to the wand or to the hand-tool using the solution and the vacuum hoses. To connect the hoses to the machine, remove the vacuum hose, which connects the upper tank to the vacuum head, and the solution hose, which connects the pump to the spraying nozzle, situated under the machine. By doing so, the AVB4X becomes a classical carpet extractor. At this point it is possible to connect the accessories to the machine, through the special connecting hoses.



2. Switch the vacuum motor on by setting the switch position to "I", and the pump by setting the switch position to "II". In this configuration, the solution pump is always working and it is not necessary to keep the control lever pressed.
3. To spray water you need to press the lever situated on the handle of the accessory.

Maintenance

In order to ensure your machine has a long life, follow these helpful hints:

1. After every use, before storing the machine, remove all the water from the solution and the recovery tank. Put some liters of clean (chemical free) water into the solution tank and use the pump only, pressing the lever of the solution valve. This operation is useful to clean the internal parts of the pump, couplings and nozzles, removing the detergent residues.
2. After every use, store the machine in a cool and dry place with the cover open, to avoid humidity inside the recovery tank. Condensation on the internal parts of the vacuum motor can damage it. The damage provoked by humidity that condensates on the motor (like the damage caused by the foam sucked by the motor) is not covered by warranty.
3. Periodically clean (at least every 2 months) the water filter, removing it from the machine and rinsing it under water.
4. Periodically check the condition of the carbon brushes, the vacuum motor and the brush motor. This check should be done after 500 working hours. Worn carbon brushed may result in damage to the vacuum motor or pump, which are not covered by warranty. Checking the carbon brushes should be done by technical personnel ONLY.