



INDUSTRIAL VACUUMS

SV1-430-MBA-A45R-Z22-II3D

SV1-430-MINI-Z22



INSTRUCTION
MANUAL

GEBRAUCHS-UND
WARTUNGSANLEITUNGEN

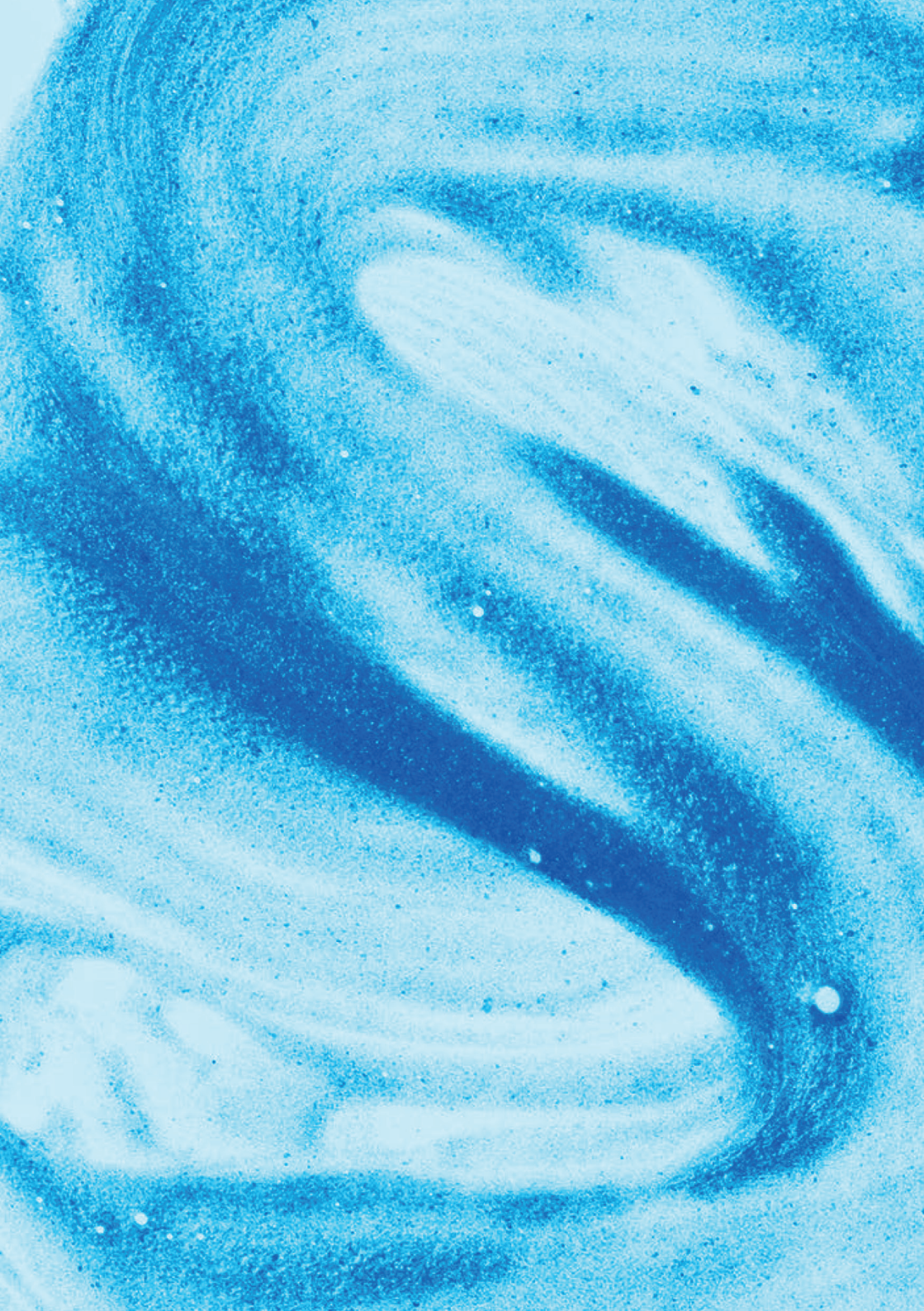
INSTRUCTIEHANDLEIDING

ISTRUZIONI PER L'USO
E LA MANUTENZIONE

INSTRUCTIONS D'UTILISATION
ET D'ENTRETIEN

INSTRUCCIONES DE USO
Y MANTENIMIENTO







ENGLISH

INSTRUCTION MANUAL

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WARNINGS



The appliances described in this manual are suitable for:

- Vacuuming dust and liquids.
- Professional use (e.g. hotels, schools, hospitals, factories, shops, offices and rental agencies).
- The 'M' Category is suitable for the separation of dry powders (as long as they are not explosive, inflammable and/or carcinogenic) with maximum permeability <math><0.1\%</math> and MAC (Maximum Allowable Concentration) $\geq 0.1\text{mg/m}^3$

Carefully keep this instruction manual.

- An electric appliance is not a toy. Use and store it out of reach of children. Children must be supervised to ensure they do not play with the appliance.
- Keep the packaging components (cardboard box, PSE protections, etc.) out of reach of children.
- This appliance has not been designed to be used by person's (including children) with reduced physical, sensory and mental faculties, or who have not first read this instruction manual.
- This appliance has been designed to operate with alternating current only. Before starting the appliance, check that the mains voltage corresponds to that indicated on the data plate.
- Check that the electric system is fitted with a differential switch (type automatic cut-out)



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- Use an extension cable only if in perfect conditions and make sure that the cross-section is appropriate for the power of the appliance plus the power of the electric tool.
 - Never leave the appliance running unattended.
 - If the discharge air is released back into the working environment, it must have a sufficient Class 'M' air exchange index. In order to observe the required limit values, the flow rate must be maximum 50% of the fresh air flow rate (volume of the environment VR by air exchange index LW). Also comply with the regulations in force.
 - Activate the “self-cleaning filter” function (when fitted) for a maximum time of 60 seconds.
 - Completely unwind the power cable before starting the appliance.
 - Do not aim the suction hose at ears, eyes, hair, persons or animals in general. During transport of the appliance, the motor must be off. Also ensure that the appliance cannot disperse dust into the environment and that it is in a stable position
 - Shut off the machine in the case of high dust emission, fire or smoke. Using the appliance is allowed only after it is checked and repaired by an authorized person.
 - Always pull the plug from the mains power socket immediately after use and before carrying out any cleaning or maintenance on the appliance.

Risk of falling:

Do not climb onto or sit on the cover of the appliance.





- Repairs may only be carried out by specialists who keep the original spare parts supplied by the manufacturer.

Repairing the appliance yourself can be extremely dangerous.

- In compliance with the regulations in force, appliances that are to be discarded must be made unusable by cutting the power cable before disposal.
- The appliance should be decontaminated by vacuum cleaning methods and wiped clean or treated with sealant before being taken out of a hazardous area. All the other appliance parts shall be regarded as contaminated when removed from hazardous area and appropriate action taken to prevent dust dispersal.
- During cleaning and maintenance, it is recommended to always wear personal protection devices (gloves and mask) as required by the national regulations in force.
- Before proceeding with maintenance operations, it is strongly recommended to first decontaminate the appliance by vacuuming clean air for a few minutes and to clean it on the outside.

Never use the appliance:

- When your hands are wet or moist;
- If it has fallen and shows evident damage or malfunctions;
- If the power cable or plug is defective.



**Clean the appliance using water only.
Do not use trichloroethylene, solvents
or abrasive detergents.**



- Maintenance and cleaning must be carried out in a room with adequate ventilation and in such a way as not to endanger the operators or other persons.
- Clean the place where maintenance is carried out in order to prevent that hazardous substances are dispersed into the environment.
- During maintenance, repair and disposal operations, all the contaminated parts of the appliance that cannot be completely cleaned must be eliminated; put them in impermeable bags according to the national regulations in force for disposal of special waste.
- For proper disposal, it is advisable to indicate on the impermeable bag which substances have been vacuumed.
- It is recommended to carry out a technical inspection on the appliance at least once a year to check that the seals are tight and proper functioning of the control mechanisms so that any malfunctions can be detected. Daily check the integrity of the filter system.
- This appliance has been designed to be used by adequately trained persons, specifically on cleaning and maintenance of the appliance, the risks deriving from vacuumed materials and their proper disposal, and replacement of spare parts according to the directives in force in the various countries.
- Do not vacuum flammable, potentially explosive or corrosive substances and incandescent ash. These substances may compromise safety and operation of the appliance.
- Never put the power cable on sharp edges, do not crush it and keep it away from the rotary electric brushes
- Only use the socket outlet (when fitted) on the machine for purposes specified in the instructions.
- In the event of leaks (foam or liquid) immediately turn off the appliance.



If the power cable is damaged, it must be replaced by the manufacturer or approved technical service centre or in any case by a person with similar qualification so as to prevent any risk.

CAUTION

- This machine shall be stored indoors only.
- Frequently clean the seat where the safety float slides and periodically inspect it to check its integrity.
- Do not use the appliance when the filter system is damaged.
- Dust class 'M' does not apply when vacuuming liquids.

REMEMBER THAT

- In case of potentially hazardous substances come in contact with eyes or skin, rinse with water and consult a specialist center.
- In case of potentially hazardous substances were inhaled or ingested call a physician. Do not induce vomiting to avoid contaminating the lungs; it is recommended to rinse your mouth without swallowing water.
- If, in the case of spontaneous vomiting, is supposed to have entered the lungs of potentially dangerous substances, transport to hospital.

The manufacturer declines all responsibility for improper use or not according to the instructions provided, tampering with and inadequate maintenance of the appliance.



SYMBOLS

DESCRIPTION SYMBOLS INSTRUCTIONS



Read
the instructions
before using the
appliance.



Attention
indicates
a potential
hazardous
situation.



Note
warning for
proper use



**Operator
Manual**
Instructions for
use

KEY TO SYMBOLS



Socket for
electric tools



Connection
for pneumatic
tools



Wet & dry
vacuum
cleaner



“Self-
cleaning
filter”
function



Professional





Blower
connection



Industrial



TECHNICAL SPECIFICATIONS

	SV1 430 MBA A45R Z22	SV1 425 MINI
Power supply voltage	230 V~	110/230 V~
Frequency	50/60	50/60
Power Rating	230V = 1200 W	1.1-1.5kW
Maximum airflow approx	220m ³ /h	220m ³ /h
Drum made of		
Rated drum capacity	45 Litres	45 Litres
MAX suction approx	?	?
Motor type	?	?
Size approx	516 x 545 x 1303 mm	440 x 440 x 987 mm
Packed appliance weight approx	? Kg	? Kg
Appliance weight *	38 Kg	22 Kg
Constant and weighted sound pressure level	72 dB(A)	72 dB(A)

* Weight in accordance with the procedure EPTA 01/2003



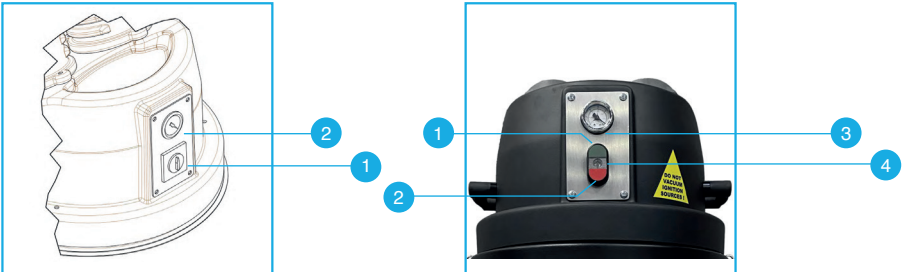
OPERATION

Controls SV1 430 MBA A45R Z22

1. I/O switch:
VACUUM CLEANER START/STOP
2. Vacuum gauge

Controls SV1 425 MINI

1. Start
2. Stop
3. Gauge
4. Voltage indicator



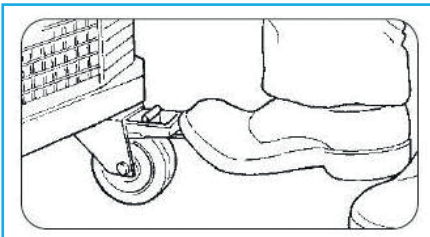
Operation Cycle

Ensure that the power cord is intact and in perfect state.



Before inserting the plug, ensure that the voltage of the power supply line corresponds to that indicated on the vacuum's identification plate.

- Ensure that the power plug is inserted into the socket correctly.
- Make sure the flexible hose is properly inserted and tightened on the special inlet.
- Ensure that the dirt collecting container is in the proper position and locked in place under the vacuum's chamber.
- Secure the vacuum cleaner using the brake on the rotating wheel, as shown in the figure.



Hold the end of the flexible hose with the chosen vacuum accessory.

To start using the vacuum cleaner turn the switch (1) to "I",

To interrupt the vacuuming turn the switch (1) to "0".



Before turning the vacuum cleaner on again, ensure that the pump has been stopped completely.

To move the vacuum cleaner, use the special handles situated on the front part of the machine.

On the vacuum cleaner there is a vacuum gauge (2) which indicates vacuum value inside the vacuum cleaner. The vacuum gauge gives the operator an indication of the state of the filter/filters: a vacuum pressure increase indicates an increase in blockage of the filter/s with a reduction in the vacuuming power as a result.



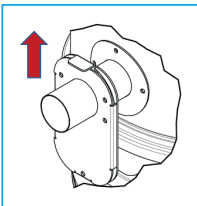
**During operation, prevent the flexible pipe from rolling up or kinking.
Do not use the vacuum cleaner with the filter clogged.**

Filter Cleaning (Only on SV1 430 MBA A45R Z22)

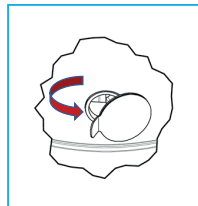
To clean the filter cartridge, the vacuum cleaners belonging to the SV1 family, in the “SV1 430” model, are equipped with the AirPulse cleaning system.

The system works due to the difference in pressure between the internal atmosphere and the external atmosphere leading to the dust becoming detached from the filtering fabric of the cartridge, without needing to switch the vacuum cleaner off.

The system is made up of a disk lid on the filter chamber and a shutter situated on the inlet.

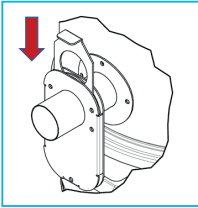


With the vacuum cleaner turned on, lift the shutter (detail no. 7, chap. 1.2) on the inlet



Open the AirPulse valve for a few seconds, and repeat this operation a couple more times. For greater efficiency of the cleaning system, switch both motors on

Lower the shutter (detail no. 7, chap. 1.2) and resume normal use.



The AirPulse cleaning system only works with the vacuum cleaner switched on.

Emptying the container

Depending on the type and quantity of material being vacuumed, it is necessary to check periodically the dirt container to avoid filling it excessively.

Proceed as follows to empty the container:

- Switch the machine off
- As previously mentioned, the vacuum cleaner can be locked using the brake positioned on the rotating wheel
- Unlock the container unhooking the special closing hooks
- Take the container out from below the filter chamber using the special handles



If the container weighs more than 15 kg, seek assistance from someone else.



Waste disposal must take place in compliance with the laws in force in the country in which the vacuum cleaner is used - for Swiss Legislative Decree 152/2006 and subsequent amendments.
In the event of use with class M and H dusts, these must be conveyed to a special plastic bag.

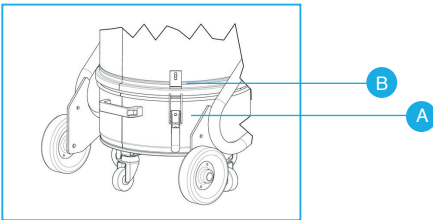




Inserting and locking the bin

Follow the steps below to insert and lock the bin:

- Insert the container under the vacuum, aligning the closing hooks (A) with the corresponding parts (B) located on the filter chamber
- Lift the bin towards the chamber, and lock the closing hooks. If necessary get help from a second person



Upper limb crushing hazard!
Never insert your hands between the dirt container and the vacuum cleaner in the locking phase

Storage - Decommissioning

Remove the filter and clean it, empty the debris collecting container or remove the bag part with the debris and store the vacuum cleaner in a place protected from atmospheric agents with temperatures between 0° and 40°C, covering it with a nylon sheet so as to prevent dust from accumulating.



MAINTENANCE



Special vacuum maintenance must be carried out solely by specialised technicians authorised by MaxVac.

This section describes the checks and routine maintenance operations required to ensure proper vacuum operation.

Maximum reliability and minimum maintenance costs are the result of a planned maintenance and inspection schedule carefully followed throughout the entire lifespan of the vacuum.

Observe the set maintenance intervals and schedule the interventions according to specific requirements in relation with the vacuum production cycle.

Always use perfectly working tools specifically intended for the operation to be carried out; the use of inadequate or inefficient tools can cause severe damages.

Any other intervention required to remove faults or malfunctions must be expressly authorised by the manufacturer.

In these cases, always communicate the vacuum identification data - see para. 1.4 of this manual.

For significant repairs, refer to the authorised dealer, whose specialised personnel has the technological expertise in the original factory build and is always available for prompt interventions.

For user maintenance operations, the vacuum must be disassembled, cleaned and maintained, where possible, in such a way as to prevent hazards to the maintenance personnel and to third parties.

Suitable precautionary measures include decontamination before dismantling, measures for filtered forced ventilation of the room where the appliance is disassembled, cleaning of the maintenance area and suitable personal protection equipment.



At least once every three months (or more frequently, according to the operating cycle and the conditions of use), the manufacturer or a qualified technician must check the filters, ensuring that they are not damaged; and ensuring proper operation of the control devices.

Should maintenance operations or repairs be carried out, all contaminated objects must be adequately cleaned, placed in waterproof bags and disposed of in compliance with the regulations in force.



All the operations described above must be carried out with the plug disconnected from the socket.

Before starting any maintenance or cleaning operation, wear suitable PPE (protective clothing, goggles and/or gloves, etc.) according to the work to be done.

Place a sign on the vacuum with the message:

“MACHINE UNDER MAINTENANCE DO NOT START”



Before returning to use, the whole system must be checked according to the starting procedures.

Run a few trial operating cycles after every maintenance operation to ensure proper machine operation.

Failure to observe these precautions can cause serious injury to personnel.

Maintenance operations must be carried out by trained technicians specialised in the following sectors:

- Mechanical maintenance
- Electrical maintenance



It is the Chief Safety Officer's duty to ensure the professionalism and skills of these technicians.

Before starting any maintenance operation, the Chief Safety Officer must:

- Keep unauthorised personnel out of the work area.
- Ensure that the necessary tools are in good conditions and readily available to the maintenance technician.
- Ensure the maintenance technician is equipped with the personal protection equipment required for the specific operation (gloves, goggles, shoes, mask, etc.)
- Make sure the maintenance technician has carefully read the instructions contained in this manual and has perfectly acquired knowledge on the operation of the vacuum and its components.

Before starting any maintenance operation, the Maintenance technician must:

Disconnect all power supplies and put the vacuum cleaner in a safe lock.



If absolutely necessary operating with the power turned on, pursuant to Swiss Legislative Decree 81/08, the maintenance technician must maintain a safe distance, prepare reachable emergency stop buttons and never place hands in the discharge container.

At the end of the procedure and before returning to use, the maintenance technician must check that guards are functioning correctly and the protection devices are intact.

Operations on the motors or on other electrical components must only be carried out by the specially trained electrical maintenance technician authorised by the Chief Safety Officer.



After any maintenance work, the Chief Safety Officer is required to check the safety conditions of the vacuum cleaner and of its safety devices.



Before every work shift

- Check that the power cord and the plug are not damaged: replace them immediately if there are any signs of wear, using a cord of the same type (information c/o MaxVac). This operation is the sole responsibility of an electrician.
- Check the integrity of the safety symbols (pictograms) applied to the vacuum cleaner.
- Check for proper efficiency of the filter/filters
- Check the integrity of the flexible hose and of the accessories to be used.



The flexible hose, if perforated, reduces the vacuuming power and releases dust into the surrounding environment.

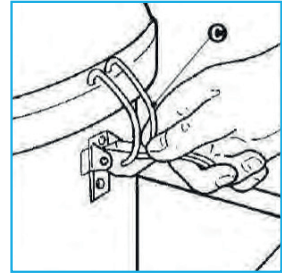
FILTER CARTRIDGE REPLACEMENT



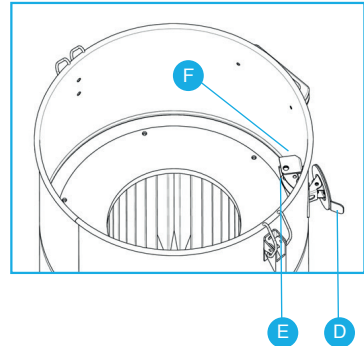
Wear appropriate PPE (dust mask, latex gloves, goggles, etc.).

Proceed as follows to replace the filter:

- Switch the vacuum cleaner off
- Disconnect the vacuum cleaner from the electricity supply
- Unlock the closing hooks on both sides.



- Remove the head
- Remove the HEPA Filter (if provided)
- With the help of a second person, hold the AirPulse cleaning system disk lid open, take the disk lid (D) fastening screws out, then, remove the fastening screws and the spring (E) at the junction of the AirPulse system and the chamber (F) support.



- Unscrew the fastening bolts of the filter cartridge and pull it out from inside the filter chamber.



Remove the filter, put it in a plastic bag, seal it and dispose of it according to the legislation in force regarding the type of material extracted

To reassemble the filter, operate in reverse order:

- Insert the new filter to the filter chamber
- Tighten the cartridge fastening screws
- With the help of a second person, apply the junction (E) spring and screws for the AirPulse cleaning system to the filter chamber (F) support and tighten the special nut, then apply the disk lid (D) fastening screws to the cleaning system junction and tighten the appropriate nut.
- Ensure that the AirPulse cleaning system moves correctly once reassembled
- Position the HEPA Filter (if provided)
- position the head on the filter chamber or on the HEPA Filter (if provided)
lock the closing hooks connect the electricity supply switch the vacuum cleaner on and immediately evaluate whether it is working normally

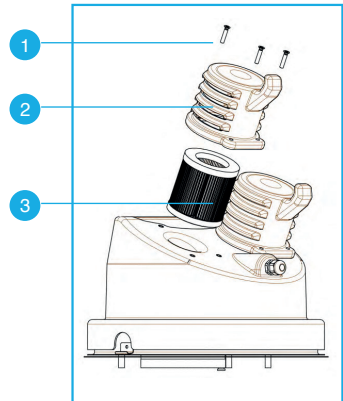
Motor protection filter cartridges replacement

1. Fastening screws
2. Filter cover
3. Filter cartridge

Proceed as follows to replace the cartridges:

- Switch the vacuum off
- Disconnect the vacuum cleaner from the power supply line
- Remove the fastening screws from the cover

Once the cartridges have been replaced, position the covers again and tighten the fastening screws



Remove the filter, put it in a plastic bag, seal it and dispose of it according to the applicable legislation on the type of material collected.



TROUBLESHOOTING

Problems	Causes	Solutions
The appliance will not start	No power Defective power cord, switches or motor.	Check that the power socket is working Contact your technical service centre (see attached list).
Reduced Efficiency	Drum too full Filter cartridge is dirty or caked. Clogged tube or accessories.	Empty Drum Thoroughly clean or change the filter, Check the hose or accessories.
The RPM rate of the motor is noticeably higher.	Drum too full. Filter cartridge is dirty or caked. Clogged tube or accessories.	Check the drum. Thoroughly clean or change the filter, Check the hose or accessories.
Dust is coming out of the exhaust grating.	Filters are dirty.	Replace the filter.



Do not dispose of electrical appliances with household waste!

In compliance with European Directive 2012/19/EU on waste electrical and electronic equipment (WEEE) and its implementation in accordance with national law, electric tools that have reached the end of their lifecycle must be collected separately and returned to an environmentally compatible recycling facility.

"EC DECLARATION OF CONFORMITY"

The manufacturer declares that the products described in these instructions

SV1 430 MBA A45R Z22 / SV1 430 MINI

Comply with the essential requisites of European Directives:

2014/35 / EU 2014/30 EU 2011/65 / EU

and is in accordance with standards

This declaration was drawn up in October 2016.

EN 60335-1: 2012 + A11: 2014

EN 60335-2-69:2012

EN 62233: 2008

EN 55014-1: 2006 + A1: 2009 + A2: 2011


EN 55014-2: 2015

EN 61000-3-2: 2014

EN 61000-3-3: 2014



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