

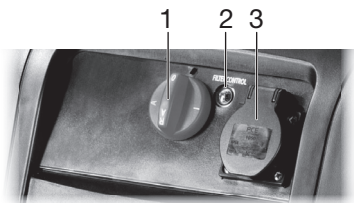
**ASR 25 L SC**  
**ASR 50 L SC**

**ASR 25 M SC**  
**ASR 50 M SC**

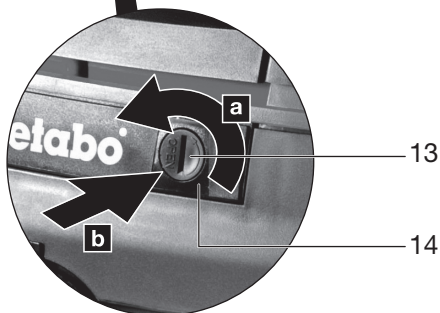
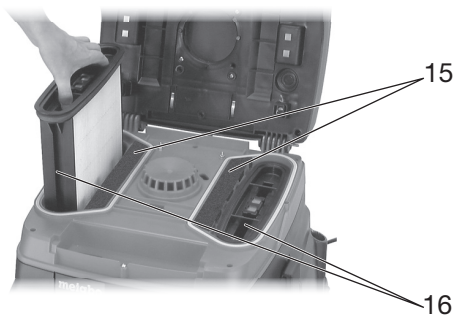
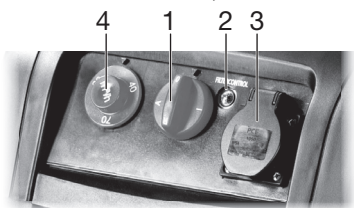


<b>de</b>	Originalbetriebsanleitung 5	<b>fi</b>	Alkuperäinen käyttöopas 75
<b>en</b>	Original instructions 14	<b>no</b>	Originalbruksanvisning 83
<b>fr</b>	Notice d'utilisation originale 22	<b>da</b>	Original brugsanvisning 91
<b>nl</b>	Oorspronkelijke gebruiksaanwijzing 31	<b>pl</b>	Instrukcja oryginalna 99
<b>it</b>	Istruzioni per l'uso originali 40	<b>el</b>	Πρωτότυπες οδηγίες λειτουργίας 108
<b>es</b>	Manual original 49	<b>hu</b>	Eredeti használati utasítás 118
<b>pt</b>	Manual original 58	<b>ru</b>	Оригинальное руководство по эксплуатации 127
<b>sv</b>	Bruksanvisning i original 67		

# ASR 25 L SC, ASR 50 L SC



# ASR 25 M SC, ASR 50 M SC



		<b>ASR 25 L SC</b>	<b>ASR 50 L SC</b>	<b>ASR 25 M SC</b>	<b>ASR 50 M SC</b>
Serial Number *1)	-	02024..	02034..	02070..	02045..
K	-	L	L	M	M
L x B x H	mm	457 x 400 x 535	580 x 470 x 640	457 x 400 x 535	580 x 470 x 640
U	V	220-240	220-240	220-240	220-240
F	Hz	50-60	50-60	50-60	50-60
I	A	6,0	6,0	6,0	6,0
N	-	H05RR-F 3x1,5	H05RR-F 3x1,5	H07RN-F 3x1,5	H07RN-F 3x1,5
P <sub>1</sub>	W	1400	1400	1400	1400
P <sub>U1</sub> /P <sub>U2</sub>	mbar (hPa)	235 / 248	235 / 248	235 / 248	235 / 248
V <sub>I/s1</sub> /V <sub>I/s2</sub>	l/s	42 / 73	42 / 73	42 / 73	42 / 73
D <sub>max1</sub> /D <sub>max2</sub>	m <sup>3</sup> /h	151 / 262	151 / 262	151 / 262	151 / 262
V	l	25	50	25	50
m	kg (lbs)	11,0 (24.3)	16,0 (35.3)	11,0 (24.3)	16,0 (35.3)
L <sub>pA</sub>	dB (A)	72	72	72	72
L <sub>WA</sub>	dB (A)	-	-	-	-



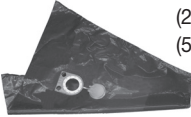


















		EU	UK	UK	AUS	CH	DK
U	(V)	230	230	110	240	230	230
P <sub>1max</sub> :	(W)	1400	1400	1400	1400	1400	1400
P <sub>1max</sub> :	(W)	2280	1590	360	1000	900	1590
Σ	(W)	3680	2990	1760	2400	2300	2990
I <sub>max</sub>	(A)	16	13	16	10	10	13



\*2) 2014/30/EU, 2006/42/EC, 2011/65/EU  
 \*3) EN 60335-1:2012/A11:2014, EN 60335-2-69:2012, EN IEC 63000:2018

ppa. *B.F.*

2021/07/07, Bernd Fleischmann  
 Direktor Produktentstehung & Qualität (Vice President Product Engineering & Quality)  
 \*4) Metabowerke GmbH - Metabo-Allee 1 - 72622 Nuertingen, Germany

17		(25 l) (50 l)	(5x) (5x)	630343000 630359000	28		ø 35 mm 450 mm	631940000
18		(25 l) (50 l)	(5x) (5x)	630275000 630325000	29		ø 35 mm 300 mm	630322000
19				paper 631933000 polyester 631934000	30		ø 35 mm	630244000
20					31		ø 35 mm	630245000
21				344 101 280	32		ø 35 mm 200 mm	630323000
22		ø 35 mm 2,5 m		631752000	33		ø 35 mm 200 mm	630324000
23		ø 35 mm 4,0 m		63137000	34		ø 35 mm 370 mm	630321000
24		ø 35/35 mm		630898000	35		ø 35 mm 270 mm	630328000
25		ø 35 mm 0,4 m		631363000	36		ø 27 mm 3,5 m ø 58 mm	631938000
26		ø 35 mm		630317000	37		ø 27 mm 3,5 m ø 58/35 mm	631939000
27		ø 35 mm 120 mm		630320000	38		ø 35/58 mm	630316000

# Original instructions

## 1. Declaration of Conformity

On our own responsibility, we hereby declare that these dust extractors, identified by type and serial number \*1), meet all relevant requirements of directives \*2) and standards \*3). Technical documents for \*4) - see Page 3.

### For UK only:

**UK** We as manufacturer and authorized person to **CA** compile the technical file, see \*4) on page 3, hereby declare under sole responsibility that these dust extractors, identified by type and serial number \*1) on page 3, fulfill all relevant provisions of following UK Regulations S.I. 2016/1091, S.I. 2008/1597, S.I. 2012/3032 and Designated Standards EN 60335-1:2012/A11:2014, EN 60335-2-69:2012, EN IEC 63000:2018.

## 2. Specified Use

### ASR 25 L SC, ASR 50 L SC:

**L** The vacuum cleaner is suitable for the vacuuming of dust, solid materials (broken glass, nails etc.), liquids of any kind with the exception of highly inflammable, combustible liquids and material that is hotter than 60 °C.

The vacuum cleaner is suited for the separation of dry, non-flammable dust, non-flammable liquids, wood dust and dangerous dust with workplace limit values > 1 mg/m<sup>3</sup>.

### ASR 25 M SC, ASR 50 M SC:

**M** The vacuum cleaner is suitable for extracting harmful dust in dust class M. As per EN 60335-2-69.

The vacuum cleaner is suited for the separation of dry, non-flammable dust, non-flammable liquids, wood dust and dangerous dust with workplace limit values ≥ 0.1 mg/m<sup>3</sup>.

For occupational exposure limits and carcinogenic materials, see the list of occupational exposure limits or contact your local professional and accident prevention associations for information.

The results of the dust test only refer to the extraction or vacuuming of dry dust.

The vacuum cleaner is suitable for use as:

- Industrial vacuum cleaner (IS) for vacuuming deposited dust.
- Dust extractor (ENT) for extracting airborne dusts from material processing machines.

The vacuum cleaner is suitable for the demanding requirements of industrial and commercial applications e.g. in the areas of craft and trade, installation work, construction, industry, workshops, painting and plastering, joinery, woodworking. As per EN 60335-2-69.

The vacuum cleaner is suitable for the vacuuming of dust, solid materials (broken glass, nails etc.), liquids of any kind with the exception of highly

inflammable, combustible liquids and material that is hotter than 60 °C.

### ASR 25 L SC, ASR 50 L SC, ASR 25 M SC, ASR 50 M SC:

This device is not designed for use by persons (including children) with physical, sensory or mental disabilities, or with insufficient experience and/or knowledge, unless they are supervised by a person responsible for their safety, or have received instructions on how to use the device by this person.

Pay attention to the country-specific regulations, as well as the specifications of the material producer.

This product is designed for industrial use.

Dust containing asbestos must not be vacuumed.

Inflammable dust must not be vacuumed.

No inflammable or explosive solvents, material saturated with solvent, dust that represents an explosion hazard, liquids such as petrol, oil, alcohol, thinner or material that is hotter than 60 °C are allowed to be vacuumed. This would cause an explosion and fire hazard! You are not allowed to use the appliance in the vicinity of inflammable gases or substances.

The user bears sole responsibility for any damage caused by improper use.

Generally accepted accident prevention regulations and the enclosed safety information must be observed.

## 3. General safety instructions



Before using the machine, carefully read through and familiarise yourself with all the enclosed safety information and the Operating Instructions. Keep all enclosed documentation for future reference, and ensure that you only pass on your device together with this documentation.



Before using the appliance, the user must receive information, instructions and training material on using the appliance and the materials for which it is to be used (including details on safe disposal of the extracted material).

#### 4. Special Safety Instructions



For your own protection and for the protection of your vacuum cleaner, pay attention to all parts of the text that are marked with this symbol!

Never allow children to use the machine.

Children should be supervised to ensure that they do not play with the device.

Caution! Only use accessories that are included with the appliance or specified Operating Instructions. The use of other accessories may impair safety.

You must not perform any work other than that described here.

In the event of misuse, improper operation or unprofessional repair work no liability shall be assumed by us for any damage incurred.

When the appliance is not in use, leave the hose on the appliance to prevent dust accidentally escaping. In the case of ASR 25 M SC, ASR 50 M SC seal the suction opening (12) with a sealing plug (11) and join the hose ends to prevent dust from escaping.

Do not operate appliances or accessories under the following conditions:

- If the appliance has recognisable damage (cracks/breaks),
- If the mains connection lead is defective or shows signs of cracking or ageing,
- If there is a suspected non-visible defect (after a fall).

Do not point the nozzle, hose or tube at people or animals.



**WARNING** - If any foam or water egresses, switch off immediately. Empty the container and, if need be, the pleated filter.

Never sit or stand on the appliance.

Always set up the connection lead and hose so there is no danger of tripping.

Do not pull the connection lead over any sharp edges and do not kink or pinch it.

If the connection lead of the appliance is damaged, it must be replaced by a special connection lead. See the chapter on Repairs.

Always connect to a socket with protective contact.

Do not use any damaged extension leads.

Never insert or remove the mains plug with wet hands.

Only pull on the mains plug, not on the lead.


**WARNING** - The plug socket on the appliance must be used only for the purposes defined in the Operating Instructions.

Do not leave the appliance unattended. If there is a long work interruption, disconnect the mains plug.

The vacuum cleaner must not be used or stored outside in wet conditions.

**IMPORTANT** - This machine must only be stored indoors.

Acids, acetone and solvents can corrode the appliance components.

 Prior to any servicing work, clean the appliance. Switch off the appliance after each use and pull out the mains plug.

Steam cleaners and high-pressure cleaners must not be used to clean the vacuum cleaner.

The inside of the cover must always be kept dry.



Mould contamination can result if the appliance is not cleaned for an extended period, especially if used in areas where foodstuffs are processed: Always clean and disinfect the vacuum cleaner immediately after use.


Never open the appliance outdoors during rain or storms.


The appliance must not be operated in areas with an explosion hazard.

Ensure that the vacuum cleaner is steady.

If the extracted air is discharged into the room, ensure there is an adequate air change rate (L) in the room. Observe the regulations that apply in your country.

 **Caution!** This appliance  contains dust that is harmful to health. Discharge and maintenance operations (including disposal of the dust collection containers) must only be carried out by qualified specialists wearing appropriate protective clothing and equipment.

 **Warning - general danger!**

 **Caution!** Do not use the appliance until you have read the Operating Instructions.

**WARNING** - Operating personnel must receive adequate instruction in the use of this vacuum cleaner and in the materials for which it is used.

**Special safety instructions for ASR 25 M SC, ASR 50 M SC:**

Warning sign for machines with dust class M:



During discharge and maintenance operations, note the following:

Clean the appliance before opening it. Wear a dust mask. Avoid covering third parties with dust. Provide local filtered forced ventilation. Then clean the maintenance area.

Do not operate the appliance without the complete filtration system. (Filter cassettes and PE filter bags or alternatively fleece filter bags).

According to tests carried out as per EN 60335 section 1 and 69, the appliance also meets electrical safety requirements relating to the extraction of a water-air mixture.

**Special safety instructions for ASR 25 L SC, ASR 50 L SC:**

Warning sign for machines with dust class L:



While the appliance is suitable for extracting substances that pose a slight threat to health, it is not

appropriate for reducing wood dust in inhaled air.

Dust from material such as paint containing lead, some wood species, minerals and metal may be harmful. Contact with or inhalation of the dust may cause allergic reactions and/or respiratory diseases to the operator or bystanders.

Certain kinds of dust are classified as carcinogenic, such as oak and beech dust, especially in conjunction with additives for wood conditioning (chromate, wood preservative).

## 5. Overview

See page 3.

- 1 Rotary switch On/Off/Automatic/SelfClean (SC)
- 2 Volume flow control display
- 3 Plug socket for power tool
- 4 Rotary switch for selecting the extraction hose diameter \*
- 5 PE filter bag \*
- 6 Fleece filter bag \*
- 7 Cable holder
- 8 Upper part
- 9 Snap lock
- 10 Bottom part
- 11 Suction opening
- 12 Sealing plug (for ASR 25 M SC, ASR 50 M SC only) \*
- 13 Locking knob
- 14 Locking bar (for opening the hood to change filter cassettes)
- 15 Motor protection filter
- 16 Filter cassette (according to IFA C)

\* depending on equipment/not included in scope of delivery

## 6. Initial Operation

**⚠ Before plugging in the device, check that the rated mains voltage and mains frequency, as specified on the rating label, match your power supply.**

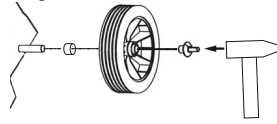
### 6.1 Securing the sealing plug (for ASR 50 M SC only)

Fit the chain of the sealing plug (12) in the bore of the suction opening (11).

### 6.2 Fitting wheels (if necessary)

Insert the axles of the guide rollers in the holes in the container until they engage.

Fit the large wheels as shown:

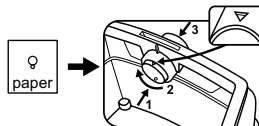


### 6.3 Inserting a Fleece Filter Bag

We recommend using paper and fleece filter bags for:

- Applications, where small amounts of fine dust are created (e.g. spot-grinding and grinding of paint and lacquer coatings, extraction of drilling applications with small diameters < 10 mm of short duration, etc.).
- Use of machines, such as: routers, planers, small grinding machines, etc.

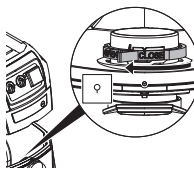
Switch off the appliance, remove the mains plug and open the snap locks (9). Remove the upper part (8) from the container (10).



ASR 50 M SC: On the inside of the suction opening, push the red rotary slide with its "triangle" marking

upwards. (To twist the slide, push it slightly towards the suction hose, and pull it back after twisting).

Holding the new fleece filter bag by the flange, slide the bottom part over the suction connection, and the top part over the latch pin. Replace the upper part of the appliance on the container, close the snap locks.



ASR 25 M SC: Turn the red rotary switch (on the inside of the suction opening) until the stop: the text "CLOSE" shows upwards to the marking ▲.

Hold the fleece filter bag on the flange and, with its opening, guide it first over the latch at the bottom part of the suction opening, then fit up to the stop on the suction opening. Replace the upper part of the device on the container, close the snap locks.

### 6.4 Inserting PE filter bag (for ASR 50 M SC only)

PE filter bags (5) are suitable for both wet and dry vacuuming.

We recommend the use of PE-disposal bags for:

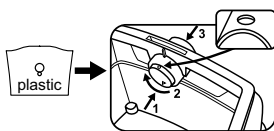
- Applications, where larger amounts of dust are created (e.g. removal of plaster surfaces, spot-grinding and grinding of screeds, etc.).



- Use of machines, such as e.g.: renovation milling machines, renovation grinders, drywall grinders, wall grinders etc.

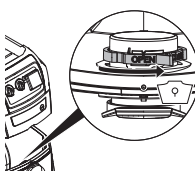
When using a PE disposal bag, the filter cleaning must be switched on (function AR / IR) for corresponding materials (see recommendation).

Switch off the appliance, remove the mains plug and open the snap locks (9). Remove the upper part (8) from the container (10).



**ASR 50 M SC:** On the inside of the suction opening, push the red rotary slide with its "circle" marking upwards.

(To twist the slide, push it slightly towards the suction hose, and pull it back after twisting).



**ASR 25 M SC:** Turn the red rotary switch (on the inside of the suction opening) to the stop: the text "OPEN" shows upwards to the marking ▲.

Hold the PE filter bag (5) on the flange and, with its opening, guide it first over the latch at the bottom part of the suction opening, then fit up to the stop on the suction opening.

Spread out the PE filter bag (5) evenly across the container floor. Arrange the edges of the PE filter bag around the container rim so that the bag is firmly clamped on all sides by the upper part (8), once replaced.

## 7. The Appliance

### 7.1 Switching On/Off, Automatic, vibrator

Select operating mode at switch (1):

0= Vacuum cleaner off

I= Vacuum cleaner on (manual operation)

A=Automatic On/Off switch:

The vacuum cleaner is switched on or off by means of a power tool connected to the mains socket (3).

R A= Automatic On/Off switch and

Automatic vibrator switch

- If the switch (1) is turned to position R A, the electromagnetic vibrator switches on. Dust is then shaken off the filter. The vibrator switches off automatically after approx. 10 s.


- In switch position R A, the vacuum cleaner is switched on or off by means of a power tool connected to the mains socket (3).


- In switch position R A, the electronic system checks the air flow during work. If the flow is too low due to a contaminated filter, the "Filter control" lamp lights up (2). During the next work break of the connected power tool, the electronics system switches the vibrator off for approx. 10 s.


**ASR 25 M SC, ASR 50 M SC:**

- If an average air flow rate of 20 m/s in the hose system with a diameter of 35 mm is undershot, the volume flow control display (2) flashes to indicate that the fleece filter bag has to be changed or the vibrator has to be actuated.

### 7.2 Power socket (3)

 The power socket (3) is designed for connection to a power tool only.

 The total maximum permissible current consumption (of vacuum cleaner and connected unit) must not exceed the value  $I_{max}$  (see table, page 2).

 **Caution!** Ensure that the power tool is switched off when plugging it in. Regardless of the switch position, the plug socket is always live when the mains plug is plugged in.

If the switch is (1) in the "0" position, you can use the plug socket as an extension lead (e.g. for a light fitting).

If the switch (1) is in the "RA" position, the vacuum cleaner is switched on or off by means of a power tool connected to the mains socket (3).

### 7.3 Volume flow control display

The volume flow control display lights up when the container is full and/or if the suction hose is blocked. (2). In the case of ASR 25 M SC, ASR 50 M SC, an acoustic signal is also issued.

### 7.4 Rotary switch for setting the suction hose diameter (ASR 25 M SC, ASR 50 M SC only)

Adjust the rotary switch (4) to the hose diameter of the suction hose fitted.

The volume flow is being monitored if switch (1) is at the "RA", „A“ or "I" position.

If the volume flow falls below a set value, the filter cassettes are automatically vibrated in the work breaks in position RA. If the value remains too low, the volume flow control display lights up and, in switch position "RA" an acoustic signal is also sounded to indicate that the container must be emptied, or that the fleece filter bag (6) or the PE filter bag (5) must be replaced.

dia. 35 mm => 70 m<sup>3</sup>/h

dia. 27 mm => 41 m<sup>3</sup>/h

dia. 19 mm => 20 m<sup>3</sup>/h

**Note:** If the suction hose diameter is 19 mm or less, and if the flow conditions in the suction hose are unfavourable, the volume flow control display (2) may occasionally light up and the acoustic signal may sound, even though the fleece filter bag does not yet need to be emptied. In this case, lay out the hose straight and clean it.

**Note:** If you need to turn the rotary switch to a lower value because of a machine generating dust (e.g. small diameter of suction canal in the machine generating dust, compared to large suction hose diameter) (4), there is no guarantee that dust will be conveyed adequately in the suction hose. The suction hose must be removed from the machine generating dust after every operating sequence, so it can be vacuumed clear.


## 8. Use

### 8.1 Dry Vacuuming

Vacuum using a dry filter, dry appliance and dry accessories only. If the cartridge is damp, dust may stick and form a crust.

Always use filter cassettes when using fleece filter bags (6) or PE filter bags (5) (16).

### 8.2 Wet vacuuming

 Never operate the machine without inserting a filter cassette first (16). The machine may be destroyed and water may also escape.

Vacuum without a paper filter (6) bag. You can use either fleece filter bags (6) or PE filter bags (5). The filter cartridges (16) are suitable for wet vacuuming.

Before carrying out any wet vacuuming, remove the dry vacuumed material. This process will prevent severe soiling and encrustation.

The integrated water sensor switches off the motor when the container is full. Empty the appliance. If the appliance is not switched off, the restart protection device remains effective. The appliance is not operable again until it has been switched off and switched back on again.

After switching off, some water may run back out of the hose.

Before emptying, first of all take the suction hose out of the liquid.

If you are then going to dry vacuum, insert a dry filter. If there is frequent switching between dry and wet vacuuming, we recommend the use of a second (replacement) filter. Allow the filter, container and accessories to dry: otherwise dust may adhere to damp components.

### 8.3 Special instructions for ASR 25 M SC, ASR 50 SC

#### Use as industrial vacuum cleaner (IS):

Turn switch (1) to the "I" position.

Adjust the rotary switch (4) to the hose diameter of the suction hose fitted.

If the volume flow falls below the set value, the volume flow control display lights up to indicate that the container must be emptied, or that the fleece filter bag (6) or the PE filter bag (5) must be replaced.

#### Use as a dust extractor (ENT):

The dust extractor must not be connected to more than one dust source.

Turn switch (1) to the "RA" position.

Adjust the rotary switch (4) to the hose diameter of the suction hose fitted. For more detailed information, see section 7.4.

Connect the power tool (deactivated) to the plug socket (3). See section 7.2.

### 8.4 Transport

In the case of the ASR 25 L SC / ASR 50 L SC, leave the hose on the appliance to prevent dust accidentally escaping.

In the case of ASR 25 M SC, ASR 50 M SC, seal the suction opening (11) with a sealing plug (12) and join the hose ends to prevent dust from escaping.

Wrap the suction hose about the vacuum cleaner.

Place the accessories in a suitable plastic bag and seal the bag.

Suspend the mains connection lead on the cable holder (7).

The upper part (8) must be securely sealed to the container (10) - check that the snap locks (9) are closed.


## 9. Cleaning

### 9.1 General Cleaning Instructions

Clean the container and accessories with water. Wipe the upper part (8) with a damp cloth.

Caution! This appliance contains dust that is harmful to health. Discharge and maintenance operations (including disposal of the dust collection containers) must only be carried out by qualified specialists wearing appropriate protective clothing and equipment.

#### Emptying the Container

 Only permitted for dusts with occupational exposure limits > 1 mg/m<sup>3</sup>.

- Unplug mains cable.
- ASR 25 M SC, ASR 50 M SC: remove suction hose, seal suction opening (11) with sealing plug (12).
- Open the snap locks (9). Remove the upper part (7) from the container (9).

#### Dispose of the fleece filter bag.

- Unplug mains cable.
- Pull on mask.
- ASR 25 M SC, ASR 50 M SC: remove suction hose, seal suction opening (11) with sealing plug (12).
- Open the snap locks (9). Remove the upper part (8) from the container (10).
- Carefully pull back and remove the fleece filter bag (6) from the suction opening (11). Seal the flange of the fleece filter bag by folding over the cover.
- Dispose of the vacuumed material in accordance with legal regulations.

#### Disposing of the PE Filter Bag

- Insert mains plug.
- Switch on the vacuum cleaner and vibrate the filters: turn the switch (1) to the "RA" position.
- Switch off the vacuum cleaner: turn the switch (1) to the "0" position.
- Pull on mask.
- ASR 25 M SC, ASR 50 M SC: remove suction hose, seal suction opening (11) with sealing plug (12).
- Open the snap locks (9). Remove the upper part (8) from the container (10). Before setting down the upper part, turn switch (1) to the "I" position so that any falling dust is vacuumed.


- Carefully pull back the PE filter bag (5) from the suction opening (11). Seal the flange of the PE filter bag by folding over the cover.
- Dispose of the vacuumed material in accordance with legal regulations.


## 9.2 Special cleaning instructions for ASR 25 M SC, ASR 50 M SC

In the case of class M machines, the outside of the machine should be cleaned (vacuumed and wiped down), or treated with sealants before being removed from the hazardous area. All machine parts must be considered to be contaminated when removed from the hazardous area: suitable measures must be taken to prevent any dispersal of the dust. When carrying out maintenance or repairs, it is essential to dispose of any contaminated objects that cannot be adequately cleaned. These objects must be disposed of using impermeable bags and in accordance with the applicable regulations for removing such waste.

## 10. Maintenance

### 10.1 General Instructions

 Before performing any maintenance, always switch off the machine and remove the mains plug.

 Clean the appliance (see section 9.).

For maintenance by the user, the vacuum cleaner must be taken apart, cleaned and maintained, to the extent possible, without endangering maintenance staff or other people.

### Preventive Measures

Appropriate preventive measures include: cleaning the appliance before disassembly; providing local filtered forced ventilation where the vacuum cleaner is disassembled; cleaning of the maintenance area and providing suitable personal protective clothing and equipment.

### 10.2 Reduction in suction power

If the suction power decreases, carry out the following steps:

1. Clean the filter cassettes by activating the electromagnetic vibrator (set switch (1) to the "RA" position).
2. Empty the container or replace the fleece filter bag (6) or PE filter bag (5).
3. Replace the filter cassettes (16), or rinse them under running water, dry them and then replace.

### 10.3 Renew the filter cartridges (16)

Shake the filter cassettes (16) once again before replacing the filters by switching on the electromagnetic vibrator (set switch (1) to the "RA" position).

Use a coin or a similar object to turn the locking knob (13) on the locking bar (14) counter-clockwise through 90° and push the bar (14) to the rear. Swing up the hood and pull up the filter cartridges (16) to remove them. Seal the removed filter cassettes immediately in a dust-tight plastic bag and dispose

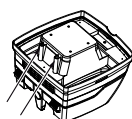
of them in accordance with regulations. Insert new filter cartridges, ensuring they are correctly and securely in place.

### 10.4 Motor protection filter

Regularly check the motor protection filter. If the motor protection filter (15) is contaminated, this indicates that the filter cassettes (16) may be defective:

- Replace the filter cartridges (16)
- Replace the motor protection filter (15), or rinse it under running water, dry it and then replace.

### 10.5 Water sensor



**IMPORTANT** - Clean the water sensor regularly and check it for signs of damage.

### 10.6 Technical inspection

At least once a year, the manufacturer or a suitably qualified and trained person must carry out a dust test, e.g. to check for damage to the filter, verify that the appliance is air-tight and that the control unit is functioning correctly.

For maintenance by the user, the vacuum cleaner must be taken apart, cleaned and maintained, to the extent possible, without endangering maintenance staff or other people.

### Preventive Measures

Appropriate preventive measures include: cleaning the appliance before disassembly; providing local filtered forced ventilation where the vacuum cleaner is disassembled; cleaning of the maintenance area and providing suitable personal protective clothing and equipment.

When carrying out maintenance or repairs, it is essential to dispose of any contaminated objects that cannot be adequately cleaned. These objects must be disposed of using impermeable bags and in accordance with the applicable regulations for removing such waste.

## 11. Troubleshooting

If the volume flow control display (2) lights up or if an acoustic signal is sounded (ASR 25 M SC, ASR 50 M SC only), this indicates that the fleece filter bag must be emptied.

### Reduction in suction power:

See the instructions in the section on Cleaning.

- Filter cassettes (16) soiled? Clean the cassettes.
- Fleece filter bag (6) full? Replace the filter bag.
- PE filter bag (5) full? Replace the filter bag.
- Container (10) full? Empty the container.
- Motor protection filter (15) clogged? - See section 10..
- Nozzle, tubes or hose blocked? Clean.

### Appliance will not start:

- Is the plug in the plug socket?
- No power from mains?
- Mains lead OK?


- Appliance hood correctly closed?
- Has the water sensor cut off? - Empty the container; then switch on and off again.
- Switch (1) in "RA / A" position? - Set to "I" position. See section 7.1.
- The vacuum cleaner is not switched on or off by means of a power tool, even though switch (1) is set to the "RA / A" position. - Connect the power tool to the plug socket (3).

#### Dust in the container when fleece filter bag is fitted:

- The position of the rotary slide is incorrect. See section 6.3.

#### PE filter bag is sucked against the filter cassettes (16):

- The position of the rotary slide is incorrect. See section 6.4.

 **Do not interfere with the appliance. Contact an authorized workshop or Metabo's after-sales service department (see section on 13. Repairs).**

## 12. Accessories

Use only genuine Metabo accessories.

If you need any accessories, check with your dealer.

See page 4.

- 17 Fleece filter bags M  
5 bags = 1 set
- 18 PE filter bags M  
5 bags = 1 set
- 19 Filter cartridge M cellulose material  
2 pieces = 1 set
- 20 Filter cartridge M polyester material  
2 cartridges = 1 set
- 21 Motor protection filter (1 filter) You must order 2 items.
- 22 Cable clips (10 clips)
- 23 Suction hose
- 24 Connection piece bayonet
- 25 Suction tubes (2 items)
- 26 Intermediate piece
- 27 Suction nozzle
- 28 Floor nozzle (metal fitting)
- 29 Universal nozzle
- 30 Universal brush
- 31 Upholstery brush
- 32 Crevice nozzle
- 33 Rubber nozzle
- 34 Floor nozzle set (with floor piece and wet vacuuming piece)
- 35 Multi-purpose nozzle
- 36 Suction hose
- 37 Suction hose (antistatic)
- 38 Reduction piece  $\varnothing$  35/58 mm

## 13. Repairs

Repairs to appliances must be carried out by qualified electricians only!

Use only original Metabo spare parts.

If you have Metabo electrical tools that require repairs, please contact your Metabo service centre. For addresses see [www.metabo.com](http://www.metabo.com).

You can download spare parts lists from [www.metabo.com](http://www.metabo.com).

## 14. Environmental Protection

Metabo's packaging can be 100% recycled.

Worn-out devices and accessories contain large amounts of valuable raw materials and plastics, which can also be recycled.

These instructions are printed on chlorine-free bleached paper.



For EU countries only: Never dispose of appliances in your household waste! In accordance with European Guideline 2012/19/EU on used electronic and electric equipment and its implementation in national legal systems, used power tools must be collected separately and returned for environmentally compatible recycling.

## 15. Technical specifications

Explanatory notes on the specifications on page 2.

Changes due to technological progress reserved.

K	= Dust class As per EN 60335-2-69.
A	= Outer dimensions
U	= Mains voltage
F	= Mains frequency
A	= Current consumption
N	= Mains connection lead
P <sub>1</sub>	= Nominal power input
p <sub>U1</sub>	= Max. vacuum (at hose)
p <sub>U2</sub>	= Max. vacuum (at blower)
V <sub>l/s1</sub>	= Max. volume flow (at hose)
V <sub>l/s2</sub>	= Max. volume flow (at blower)
D <sub>max1</sub>	= Max. flow rate (at hose)
D <sub>max2</sub>	= Max. flow rate (at blower)
V	= Max. container volume
m	= Weight (without mains cable)

A-effective perceived sound levels (IEC 60335-2-69):

L<sub>pA</sub> = Sound pressure level

L<sub>WA</sub> = Acoustic power level

During operation the noise level can exceed 80 dB(A).



#### Wear ear protectors!

Measured values determined in conformity with EN 60704.

~ Alternating current

The technical specifications quoted are subject to tolerances (in compliance with the relevant valid standards).