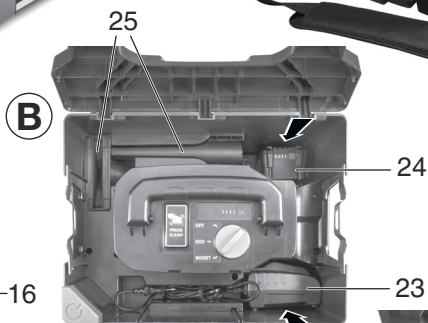
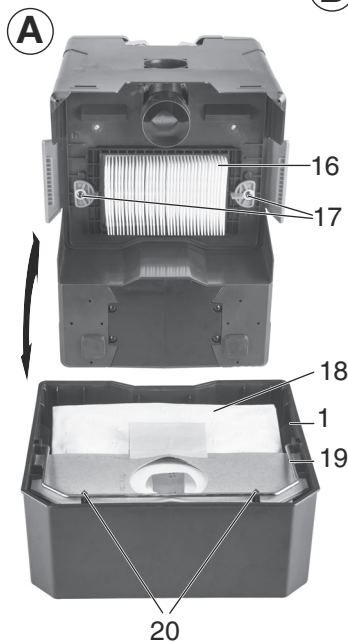
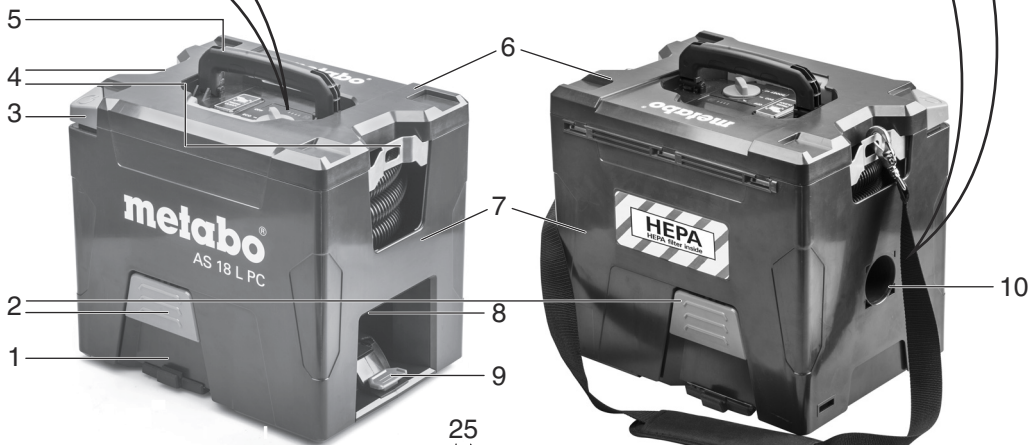
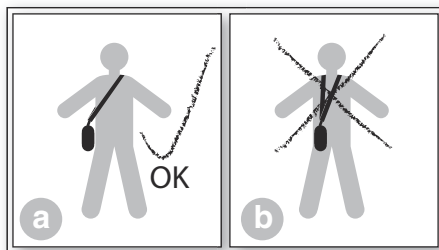
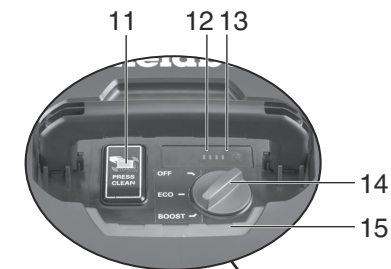


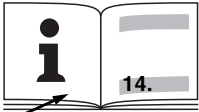
AS 18 L PC



en Operating instructions 4
fr Consignes d'exploitation 10

es Instrucciones de uso 17



		AS 18 L PC Serial Number: 02021...
L x B x H	in (cm)	15.34 x 11.53 x 14.06 (39,0 x 29,3 x 35,7)
U	V DC	18
S _Ø	in (mm)	1.06 (27)
S _L	in (m)	118.13 (3)
p _{U1} / p _{U2}	mbar	110 / 120
	inch H ₂ O	44.2 / 48.2
A	cm ²	3800
V _{l/min1} / V _{l/min1}	l/min	1020 / 2100
	CFM	36 / 74.2
D _{max1} /D _{max2}	m ³ /h	61,2 / 126
V	l	7,5
L _{pA} / K _{pA}	dB (A)	71,8 / 2,4
L _{WA} / K _{WA}	dB (A)	83,8 / 2,4

Metabowerke GmbH,
Postfach 1229
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D-72622 Nuertingen
Germany

Operating instructions

1. Specified Conditions of Use

The vacuum cleaner is suitable for the vacuuming of dust, solid materials (broken glass, nails etc.), with the exception of material that is hotter than 140° F (60 °C).

The vacuum cleaner is suited for the separation of dry, non-flammable dust, wood dust and dangerous dust with workplace limit values > 1 mg/m³.

WARNING - This device is only intended for dry use.

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.

FOR COMMERCIAL USE

This product is designed for commercial use, for example in hotels, schools, hospitals, factories, shops, offices and rental companies.

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 of any kind, thinner or material that is hotter than 140° F (60 °C) are allowed to be vacuumed. This would cause an explosion and fire hazard! You are not allowed to use the device in the vicinity of inflammable gases or substances.

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

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

Especially, the additional various applicable regulations, in particular of OSHA (Occupational Safety and Health Administration), such as article 1926.1153 "Respirable crystalline silica" should be taken into consideration and adhered to.

We expressly note that the end user must check themselves whether our vacuum cleaner fulfills the aforementioned requirements, in particular OSHA article 1926.1153 for their application.

2. General Safety Instructions



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).



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!



WARNING Read all safety warnings and all instructions. Failure to follow the warnings and instructions may result in electric shock, fire and/or serious injury. Save all warnings and instructions for future reference!

1) Work area safety

- a) Keep work area clean and well lit. Cluttered or dark areas invite accidents.
- b) Do not operate vacuum cleaners in explosive atmospheres, such as in the presence of flammable liquids, gases or dust. Vacuum cleaners create sparks which may ignite the dust or fumes.
- c) Keep children and bystanders away while operating a vacuum cleaner. Distractions can cause you to lose control.

2) Electrical safety

3) Personal safety

- a) Stay alert, watch what you are doing and use common sense when operating a vacuum cleaner. Do not use a vacuum cleaner while you are tired or under the influence of drugs, alcohol or medication. A moment of inattention while operating vacuum cleaner may result in serious personal injury.
- b) Use personal protective equipment. Always wear eye protection. Protective equipment such as dust mask, non-skid safety shoes, hard hat, or hearing protection used for appropriate conditions will reduce personal injuries.
- c) Avoid accidental operation. Check that the vacuum cleaner (or any connected power tool) is switched off before lifting it, carrying it or connecting it
- d) Do not overreach. Keep proper footing and balance at all times. This enables better control of the vacuum cleaner in unexpected situations.
- e) Wear appropriate clothing. Do not wear loose clothing or jewelry. Keep hair, clothing and gloves at a safe distance from moving parts. Loose clothing, jewelry or long hair could catch in the suction hose or suction nozzle.

4) Vacuum cleaner use and care

- a) Do not use the vacuum cleaner if the switch does not turn it on and off. Any vacuum cleaner that cannot be controlled with the switch is dangerous and must be repaired.

c) Remove the battery pack from the machine before making any adjustments, changing accessories, or storing vacuum cleaners. Such preventive safety measures reduce the risk of starting the vacuum cleaner accidentally.

d) Store idle vacuum cleaners out of the reach of children and do not allow persons unfamiliar with the vacuum cleaner or these instructions to operate the vacuum cleaner. Vacuum cleaners are dangerous in the hands of untrained users.

e) Maintain vacuum cleaners. Check for misalignment or binding of moving parts, breakage of parts and any other condition that may affect the vacuum cleaner's operation. If damaged, have the vacuum cleaner repaired before use. Many accidents are caused by poorly maintained vacuum cleaners.

e) Use the vacuum cleaner, accessories, etc. in accordance with these instructions. Take into consideration the working conditions and tasks required. Using vacuum cleaners for applications other than those intended can lead to dangerous situations.

5) Service

a) Have your vacuum cleaner serviced by a qualified repair person using only identical replacement parts. This will ensure that the safety of the vacuum cleaner is maintained.

3. Special Safety Instructions

Before using this power tool, completely read and understand the enclosed safety information and the instructions. Keep all enclosed documentation for future reference, and pass on your vacuum cleaner only together with this documentation.

IMPORTANT SAFETY INSTRUCTIONS

When using an electrical appliance, basic precautions should always be followed, including the following:

READ ALL INSTRUCTIONS BEFORE USING THIS VACUUM CLEANER

WARNING - To reduce the risk of fire, electric shock, or injury:

a) Do not leave appliance when battery pack is in appliance. Remove the battery pack from the machine before making any adjustments, changing tools, maintaining or cleaning.

b) Do not use outdoors or on wet surfaces.

c) Do not allow to be used as a toy. Close attention is necessary when used by or near children.

d) Use only as described in this manual. Use only manufacturer's recommended attachments.

e) Do not use faulty or deformed battery packs! If appliance is not working as it should, has been dropped, damaged, left outdoors, or dropped into water, return it to a service center.

f) Do not open battery packs! Do not touch or short circuit battery pack contacts!

h) Do not handle battery packs with wet hands.

i) Do not put any object into openings. Do not use with any opening blocked; keep free of dust, lint, hair, and anything that may reduce air flow.

j) Keep hair, loose clothing, fingers, and all parts of body away from openings and moving parts.

k) Turn off all controls before removing battery pack.

l) Use extra care when cleaning on stairs.

m) Do not use to pick up flammable or combustible liquids, such as gasoline, or use in areas where they may be present.

n) Do not pick up anything that is burning or smoking, such as cigarettes, matches, or hot ashes.

o) Do not use without dust bag and/or filters in place.

SAVE THESE INSTRUCTIONS

Additional Safety Instructions

When not in use, remove the battery pack and position it in the housing.

WARNING - Do not expose to rain. Store indoors.

Never allow children to use the machine.

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

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.

Before fitting the battery pack, make sure that the machine is switched off.

Do not operate appliances or accessories under the following conditions:

- If the appliance has recognisable damage (cracks/breaks),
- If battery pack is defective,

- If there is a suspected non-visible defect (after a fall).

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

If the machine is defective, remove the battery pack from the machine.

 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 hose so there is no danger of tripping.

Never insert or remove the battery packs with wet hands.

Do not leave the appliance unattended. If there is a long work interruption, remove the battery pack.

The vacuum cleaner should 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.

The tool must be loaded with max. 220 lbs (100kg).

 Prior to any servicing work, clean the appliance. Switch off the appliance after each use and remove the battery pack.

 Protect battery packs from water and moisture!

 Do not expose battery packs to fire!

A slightly acidic, flammable fluid may leak from defective Li-ion battery packs!

 If battery fluid leaks out and comes into contact with your skin, rinse immediately with plenty of water. If battery fluid leaks out and comes into contact with your eyes, wash them with clean water and seek medical attention immediately!

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.

Mold 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.

Do not use the device in low (<4°F/-20°C) or very high (>104°F/40°C) temperatures.

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

Ensure that the vacuum cleaner is steady.

Prior to switching on the vacuum cleaner, the suction hose must be removed from the housing to avoid overheating.

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 staff must be provided with appropriate instruction on how to use this vacuum cleaner.

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.

Additional Warnings:

 **WARNING** Some dust created by power sanding, sawing, grinding, drilling, and other construction activities contains chemicals known to cause cancer, birth defects or other reproductive harm. Some examples of these chemicals are:

- Lead from lead-based paints,
- Crystalline silica from bricks and cement and other masonry products, and
- Arsenic and chromium from chemically treated lumber.

Your risk from these exposures varies, depending on how often you do this type of work. To reduce your exposure to these chemicals: work in a well ventilated area, and work with approved safety equipment, such as those dust masks that are specially designed to filter out microscopic particles.

Observe the applicable regulations in your country for the filter cartridges.

Transport of li-ion battery packs:

The shipping of Li-ion battery pack is subject to laws related to the carriage of hazardous goods (UN 3480 and UN 3481). Inform yourself of the currently valid specifications when shipping li-ion battery packs. If necessary, consult your freight forwarder. Certified packaging is available from Metabo.

Only send the battery pack if the housing is intact and no fluid is leaking. Remove the battery pack from the machine for shipping. Prevent the contacts from short-circuiting (e.g. by protecting them with adhesive tape).

SYMBOLS ON THE TOOL:

V.....volts

==.....direct current

4. Overview

See page 3.

- 1 Dust container
- 2 Snap locks
- 3 Corner switch On/Off
- 4 Eyelet to attach a carry strap
- 5 Handle
- 6 Cover
- 7 Upper part
- 8 Battery pack *
- 9 Battery pack release button
- 10 Suction opening
- 11 Button for filter cleaning "PressClean" (PC)
- 12 Capacity and signal indicator (battery pack)
- 13 Capacity indicator button
- 14 Rotary switch BOOST/ ECO/ OFF
- 15 Unlocking mechanism cove
- 16 Fluted filter
- 17 Twist-lock fluted filter
- 18 Fleece filter bag
- 19 Carry handle dust container
- 20 Latches
- 21 Connecting sleeve
- 22 Suction hose
- 23 Battery charger*
- 24 Spare battery pack *
- 25 Suction nozzles*

* depending on equipment/not included in scope of delivery

5. Initial Operation



Prior to use, check that you are using a battery pack suitable for the device.

5.1 Use a fleece filter bag (18) (see fig. A, page 2)

Switch off the device, remove the mains plug and open the snap locks (2). Remove the upper part (7) of the device from the dust container (1).

We recommend using 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: cordless grinders, cordless mitre saws, cordless jigsaws, etc.

When using a fleece filter bag the filter cleaning is non-functional.

Insert a fleece filter bag (18) in the dust container (1) as shown in fig. A, page 2. Fold the carry handle of the dust container (19) in direction of latches (20)

and engage. Replace the upper part (7) and close the snap locks (2).

5.2 Battery pack

Charge the battery pack (8) before use.

Recharge the battery pack if performance diminishes.

The ideal storage temperature is between 10°C and 30°C.

Capacity and signal indicator (12):

- Press the button (13); the LEDs indicate the charge level.
- The battery pack is almost flat and must be recharged if one LED is flashing.

5.3 Removing and inserting the battery pack

Remove: Press the battery pack release button (9) and remove the battery pack (8) .

To insert: Slide the battery pack (8) in until it engages.

5.4 Carrying strap

If required, hook the Metabo carry strap into **both** eyelets (4) left and right of the device. Set the carry strap to the desired length.

Carrying:



Carry only without connected suction hose (22) .



Carry the device only when switched off.



The tool must be carried only with the Metabo carry strap.

The machine must NOT be carried with the carrying strap around your neck.

6. The device

6.1 Switching on/off



Prior to switching on the vacuum cleaner, the suction hose must be removed from the housing to avoid overheating.

Prior to switching on the device set the respective suction power via the rotary switch (14):

"BOOST": high suction power

- working with a drill vacuum cleaner adapter (DDE 14, 6.30829), recommended for profiled surface such as e.g. carpets.

"ECO": medium suction power

- recommended for smooth surfaces, cordless tools with low dust generation (cordless grinders, cordless mitre saws, cordless jigsaws, etc.).

"OFF": Off (transport lock)

- deactivates the corner switch (3)

Use the corner switch (3) to turn the machine On/ Off.

The suction power can also be changed with the machine in operation.

6.2 PressClean

To clean the pleated filter (16) using a strong air flow: Put the rotary switch (14) in BOOST position, cover connecting sleeve (21) or suction opening (10) with the hand and press the button (11) several times (at least 3 times).

7. Use

7.1 Dry Vacuuming

WARNING - This device is only intended for dry use.

Vacuum only with dry pleated filter (16), device and accessories. If the cartridge is damp, dust may stick and form a crust.

The device must not be switched on without pleated filter in place (16).

7.2 Transport

Remove suction hose (22) from the suction opening (10) and store in housing according to fig. C on page 2. In start position 1 Insert hose end and wind the hose in the housing around the vacuum cleaner in clockwise direction.

The upper part (7) must be securely sealed to the dust container (1) - check that the snap locks (2) are closed.

Put rotary switch (14) in "OFF" position (transport lock).

Store spare battery pack (24) according to figure B on page 2. Push open downwards along the ridges (direction of arrow).

Store charger (23) according to figure B on page 2. Push into the charger storage along the ridges (direction of arrow).

8. Cleaning

8.1 General Cleaning Instructions

Clean the dust container (1) and accessories with water. Wipe the upper part (7) with a damp cloth.

Caution! This device 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

- Put rotary switch (14) in "OFF" position
- Remove battery pack (8).
- Open the snap locks (2). Remove the upper part (7) of the device from the dust container (1).
- Tip out the container.

Disposing of the Fleece Filter Bag

- Put rotary switch (14) in "OFF" position
- Remove battery pack (8).
- Open the snap locks (2). Remove the upper part (7) of the device from the container (1).
- Fold down the carry handle of the dust container (unlock).
- Carefully remove the fleece filter bag (18) and close the fleece filter bag using the drawstrings.

- Dispose of the vacuumed material in accordance with legal regulations.

Clean the pleated filter via PressClean

- Clean the pleated filter according to chapter 6.2

Clean the pleated filter manually

- Remove the pleated filter according to chapter 9.2
- Occasionally tap the pleated filter to remove (16) any dust that has gathered on it. If the filter is very dirty, you can clean it with water (max. 3x, then insert new pleated filter) and a soft brush. Allow to filter to dry properly afterwards.

9. Maintenance

9.1 General instructions



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



Clean the device (see chapter 8.).

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 device 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.

9.2 Replacing the pleated filter (16)

- Clean the pleated filter again before replacement ("PressClean" see chapter 7.2)
- Put rotary switch (14) in "OFF" position
- Remove battery pack (8).
- Open the snap locks (2). Remove the upper part (7) of the device from the dust container (1).
- Turn the twist lock (17) at the bottom of the upper part (see fig. A, page 2) in such a way that the pleated filter (16) can be removed.
- Seal the removed pleated filter (16) immediately in a dust-tight plastic bag and dispose of it in accordance with regulations.
- Insert new pleated filter (16), close twist lock (17). Ensure proper and secure position.

9.3 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 device is air-tight.

10. Troubleshooting

Reduction in suction power:

See the instructions in the chapter on 8. Cleaning.

- Is the pleated filter (16) dirty? - clean.
- Fleece filter bag (18) full? - replace.
- Is the dust container (1) full? - empty.
- Nozzle, tubes or hose blocked? - clean.
- Is the battery pack (8) weak? - Charge/replace battery pack (8)

Device will not start:

- Is the battery pack (8) empty? - Charge/replace battery pack (8).
- Is the rotary switch (14) in "OFF" position? - Put rotary switch (14) to "ECO" or "BOOST". See chapter 6.1.

Particles are discharged at the outlet:

- Is the pleated filter defective? - Check the pleated filter and replace if required (see chapter 9.2).

The machine has shut down by itself:

Causes and remedies:

- **Battery pack almost flat:** (the electronics prevent the battery pack from discharging totally and avoid damage). If one LED is flashing, the battery pack (12) is almost flat. If necessary, press the button (13) and check the LEDs (12) to see the charge level. If the battery pack is almost flat, it must be recharged.
- Battery pack is not inserted properly: Check and correct.
- Long continuous overloading of the machine will activate the **temperature cut-out**.

Leave the machine or battery pack to cool.

Note: if the suction hose is not removed from the housing prior to switching on the device, this will lead to overheating of the device.

Note: if the battery pack feels very warm, the pack will cool more quickly in an "AIR COOLED" charger.

 **Do not interfere with the device. Contact an authorized workshop or Metabo's after-sales service department (see chapter 12. on Repairs).**

11. Accessories

Only use original Metabo battery packs and Metabo accessories.

Use only accessories that fulfil the requirements and specifications listed in these operating instructions.

If you need any accessories, check with your dealer.

- A Chargers: ASC 30-36 V, ASC 15, ASC 30, etc.
- B Battery packs with different capacities.
Purchase only battery packs with the voltage matching your device: 5.2 Ah (6.25592); 4.0 Ah (6.25591); 3.0 Ah (6.25594); etc.
- C Suction hose (6.30171)
- D Nozzles: suction nozzle (6.30320); crevice nozzle (6.30323)
- E Flat pleated filter (HEPA) (6.30175)
- F Fleece filter bag (6.30173)

G Dolly (6.30174)

See www.metabo.com or the catalogue for a complete range of accessories.

12. Repairs

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

Use only original Metabo spare parts.

Contact your local Metabo representative if you have Metabo power tools requiring repairs. See www.metabo.com for addresses.

You can download a list of spare parts from www.metabo.com.

13. Environmental Protection

Do not allow battery packs to come into contact with water!

Protect the environment, and do not dispose of power tools and battery packs with household waste. Observe national regulations on separated collection and recycling of disused machines, packaging and accessories.

Discharge the battery pack in the power tool before disposal. Prevent the contacts from short-circuiting (e.g. by protecting them with adhesive tape).

14. Technical Specifications

Explanatory notes on the specifications on page 2.

Changes due to technological progress reserved.

LxBxH	= External dimensions
U	= Mains voltage
S $\varnothing$	= Suction hose diameter
S _L	= Suction hose length
p _{U1}	= max. vacuum (at the hose)
p _{U2}	= max. vacuum (at the blower)
A	= Filter area
V _{l/min1}	= Air flow rate (at the hose)
V _{l/min2}	= Air flow rate (at the blower)
V	= max. container volume

Typical A-effective perceived sound levels:

L _{pA}	= Sound pressure level
L _{WA}	= Acoustic power level
K _{pa} , K _{WA}	= Uncertainty

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

 **Wear ear protectors!**

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