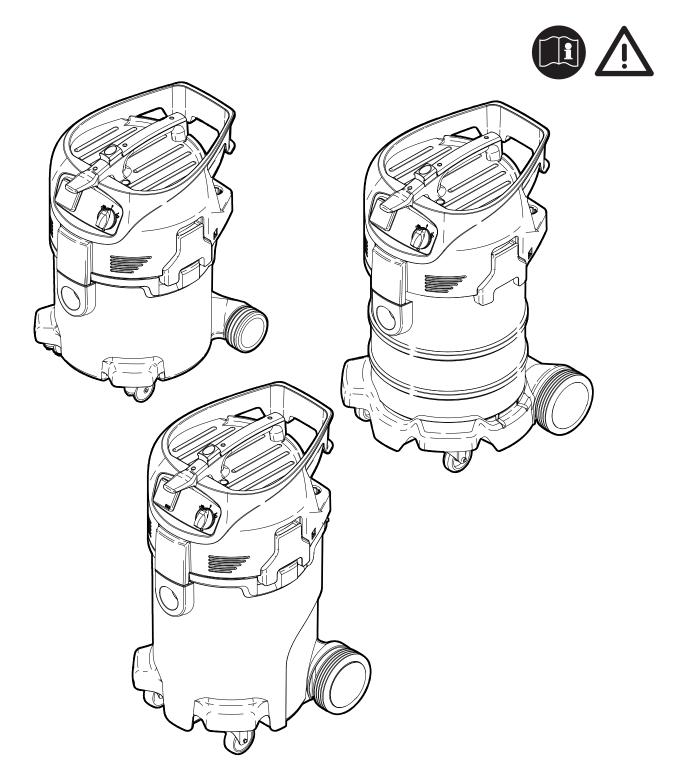
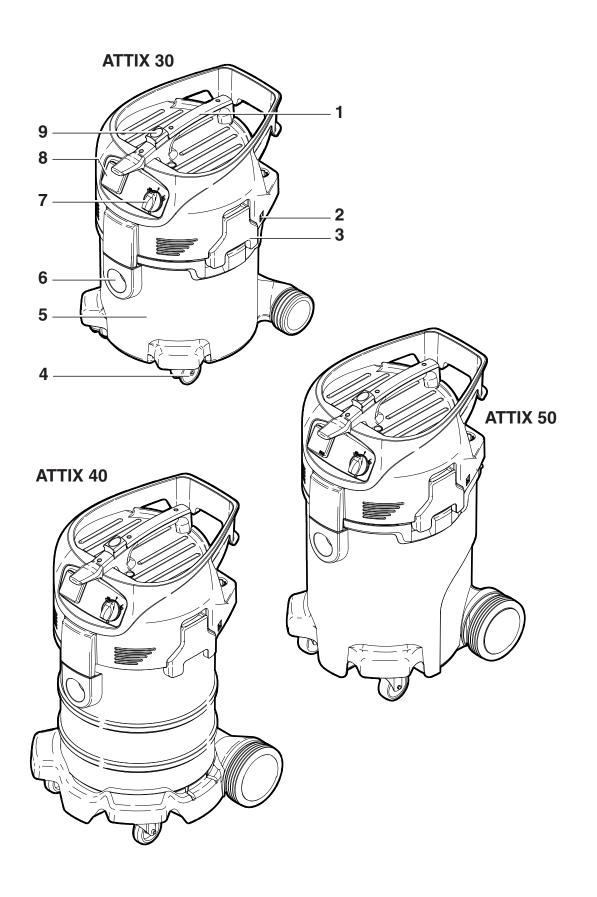
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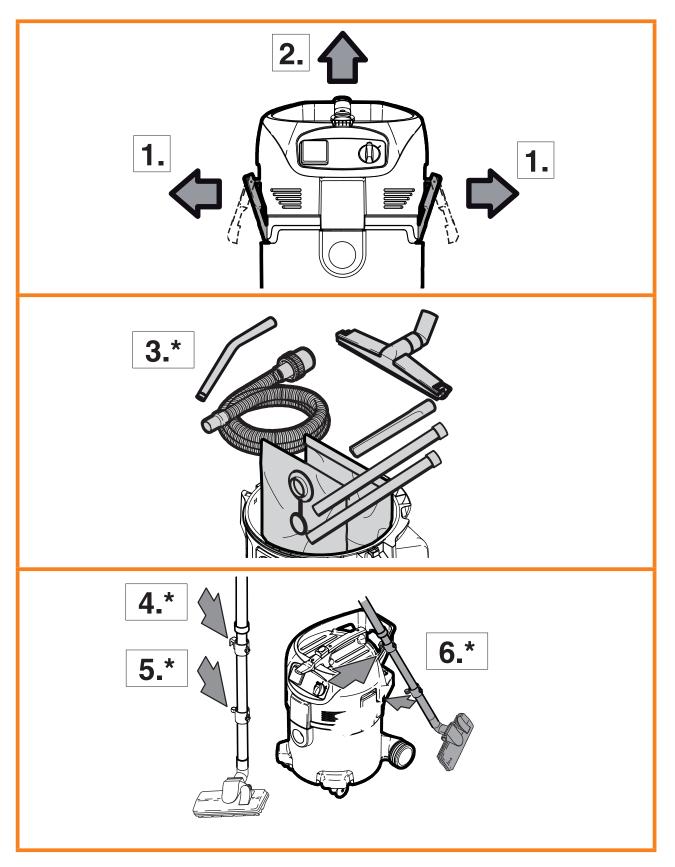
Instructions for use



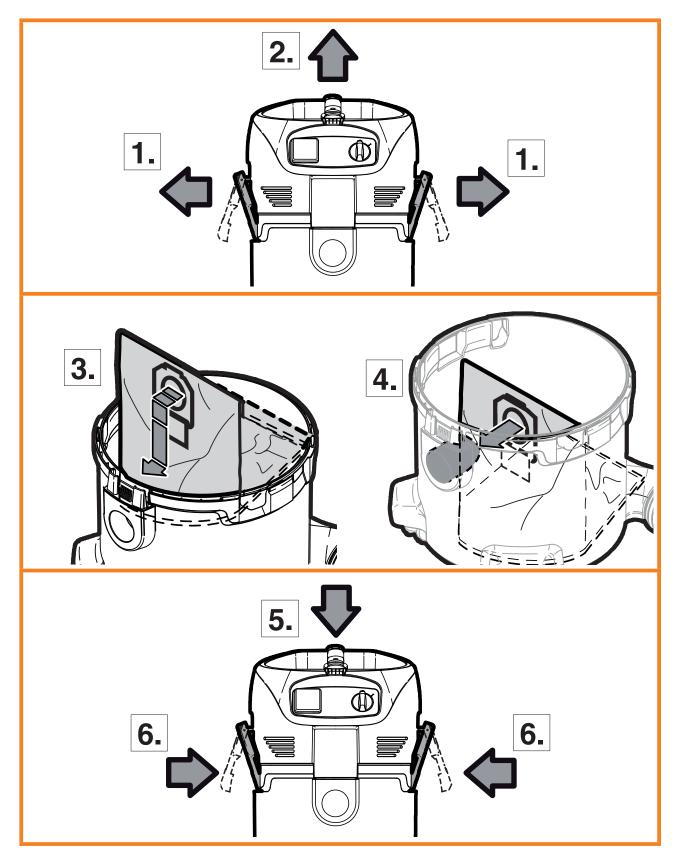






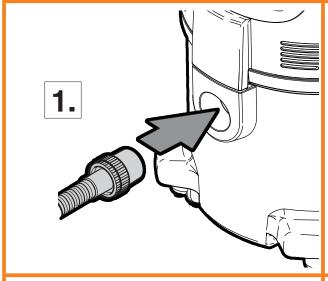


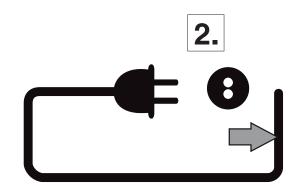




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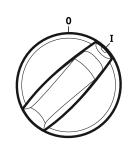


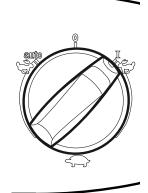




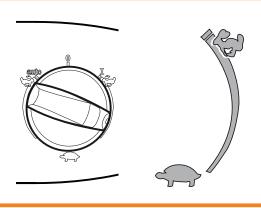
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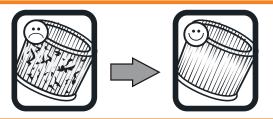
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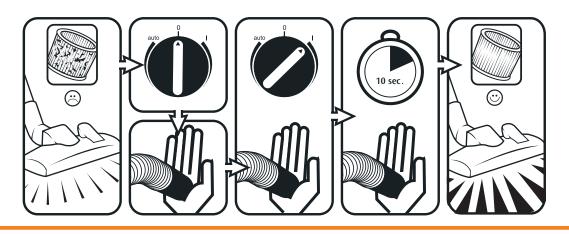




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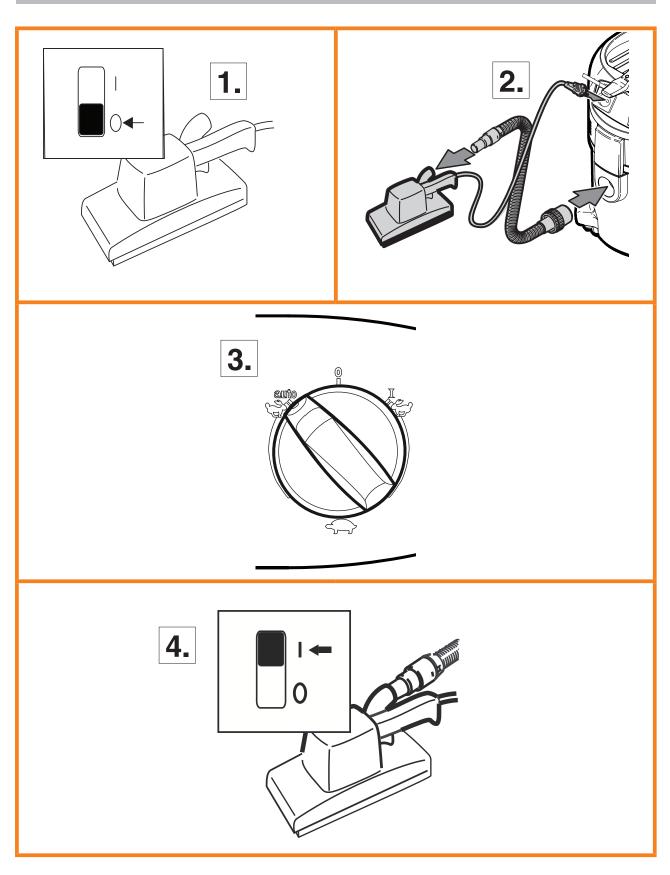








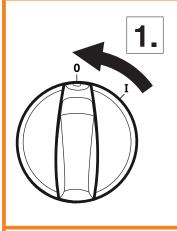


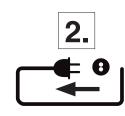


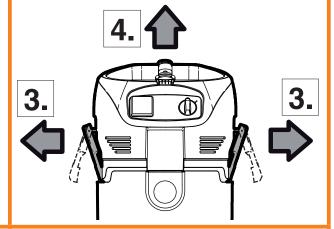


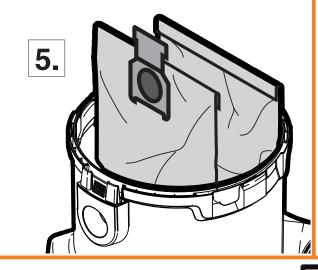


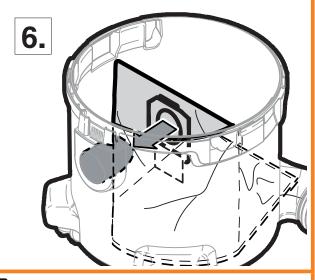
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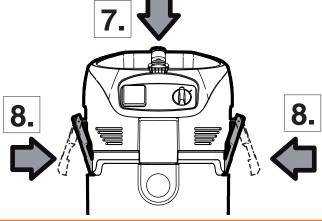








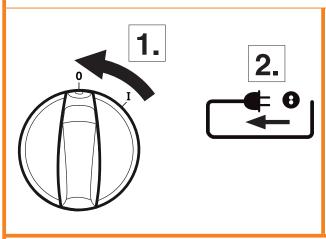


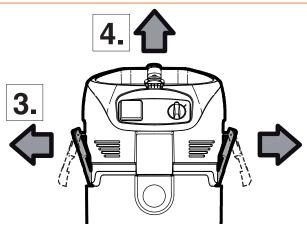




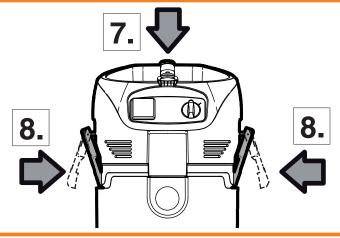


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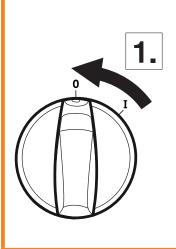


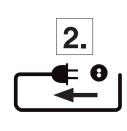


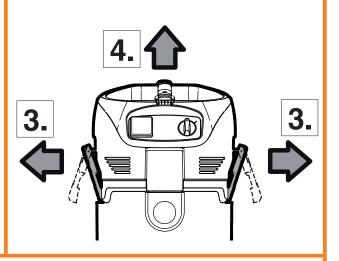


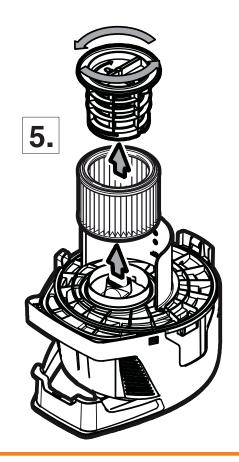


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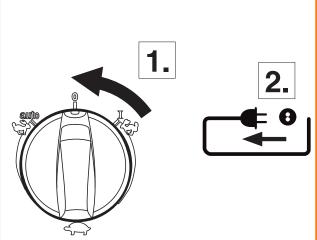


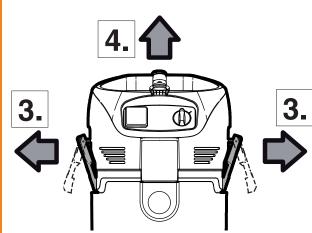


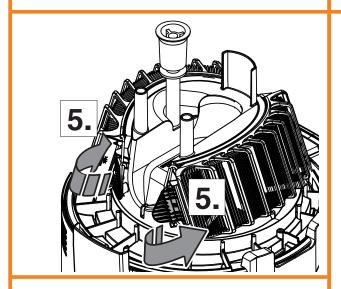


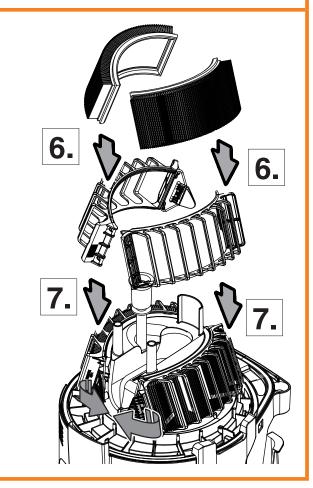


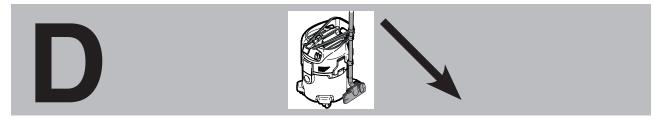
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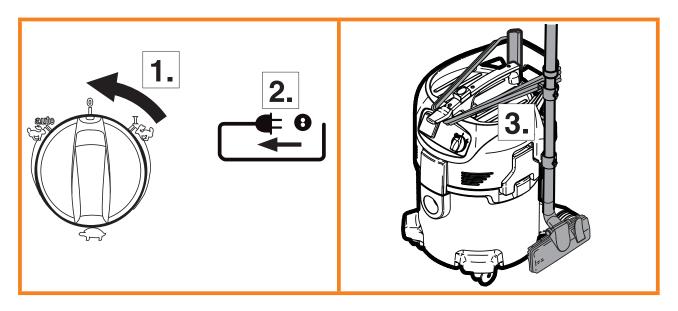














1 IMPORTANT SAFETY INSTRUCTIONS

1.1 Symbols used to mark instructions

DANGER

 \triangle

Danger that leads directly to serious or irreversible injuries, or even death.

WARNING

 \triangle

Danger that can lead to serious injuries or even death.

CAUTION

 $\overline{\mathbb{A}}$

Danger that can lead to minor injuries and damage.

Before starting up your machine for the first time, this instruction manual must be read through carefully. Save the instructions for later use.

1.2 Instructions for use



Besides the operating instructions and the binding accident prevention regulations valid in the country of use, observe recognised regulations for safety and proper use.

1.3 Purpose and intended use

This machine is designed for industrial use, such as e.g. plants, construction sites and workshops. This machine is also intended for commercial use, for example in hotels, schools, hospitals, factories, shops, offices and rental businesses. Accidents due to misuse can only be prevented by those using the machine. The appliance is suitable for picking up dry, non-flammable dust and liquids

Any other use is considered as improper use. The manufacturer accepts no liability for any damage resulting from such use. The risk for such use is borne solely by the user. Proper use also includes proper operation, servicing and repairs as specified by the manufacturer.

READ AND FOLLOW ALL SAFETY INSTRUCTIONS.



For Dust Class L machines (with type designation -0L, 2L, LC) following applies: The appliance is suitable for picking up dry, non-flammable dust, hazardous dusts with OEL¹¹) value > 1mg/m³. Dust Class L (IEC 60335-2-69). The dusts which belong to this

class have OEL¹¹ values > 1mg/m³3. For machines intended for the Dust Class L, the filter material is tested. The maximum degree of permeability is 1% and there is no special requirement for disposal. Observe national regulations before use. For dust extractors, ensure adquate air change rate L, when the exhaust air is returned to the room.

1.4 Important warnings 🗘

WARNING

 To reduce the risk of fire, electric shock, or injury, please read and follow all safety instructions and caution markings before use. This vacuum cleaner is designed to be safe when used for cleaning functions as specified. Should damage occur to electrical or mechanical parts, the cleaner and / or accessory should be repaired by a competent service station or the manufacturer before use in order to avoid further damage to the machine or physical injury to the user.

- **EN**
 - Children shall be supervised to make sure that they do not play with the appliance.
 - Cleaning and user maintenance shall not be made by children without supervision.
 - This appliance is not intended for use by persons (including children) with reduced physical, sensory or mental capabilities, or lack of experience and knowledge.
 - Outdoor use of the appliance shall be limited to occasional use.
 - This machine shall only be stored indoors.
 - Do not leave the machine when it is plugged in. Unplug from the socket when not in use and before maintenance.
 - Do not use with damaged cord or plug. To unplug grasp the plug, not the cord. Do not handle plug or cleaner with wet hands. Turn off all controls before unplugging.
 - Do not pull or carry by cord, use cord as a handle, close a door on cord, or pull cord around sharp edges or corners. Do not run cleaner over cord. Keep cord away from heated surfaces.
 - Keep hair, loose clothing, fingers and all parts of the body away from openings and moving parts. Do not put any objects into openings or use with opening blocked. Keep openings free of dust, lint, hair, and anything else that could reduce the flow of air.
 - Do not use in outside areas at low temperature.
 - Do not use to pick up flammable or combustible liquids such as gasoline, or use in areas where they may be present.
 - Do not pick up anything that is burning or smoking, such as cigarettes, matches or hot ashes.
 - Use extra care when cleaning on stairs.
 - Do not use unless filters are fitted.
 - If the cleaner is not working properly or has been dropped, damaged, left outdoors, or dropped into water, return it to a service center or dealer.
 - Operators shall be adequately instructed on the use of these machines.
 - The machine may not be used as a water pump. The machine is intended for vacuuming air and water mixture.
 - Connect the machine to a properly earthed mains supply. The socket outlet and the extension cable must have an operative protective conductor.
 - · Provide for good ventilation at the working place.
 - · Do not use the machine as a ladder or step ladder. The machine



- can tip over and become damaged. Danger of injury.
- Only use the socket outlet on the machine for purposes specified in the Instructions.
- If foam or liquid escapes from the machine, switch off immediately.

1.5 Double-insulated appliances*)

CAUTION

- Use only as described in this manual and only with the manufacturer's recommended attachments.
- BEFORE YOU PLUG IN YOUR CLEANER, check the rating plate at the cleaner to see if the rated voltage agrees within 10% of the voltage available.
- This appliance is provided with double insulation. Use only identical replacement parts. See instructions for servicing double insulated appliances.
- Clean the water level limiting device regularly and examine it for signs of damage.

In a double-insulated appliance, two systems of insulation are provided instead of grounding. No grounding means is provided on a double-insulated appliance, nor should a mean for grounding be added to the appliance. Servicing a double-insulated appliance requires extreme care and knowledge of the system, and should be done only by qualified service personnel. Replacement parts for a double-insulated appliance must be identical to the parts they replace. A double insulated appliance is marked with the words "DOUBLE INSULATION" or "DOUBLE INSULATED." The symbol (square within a square) may also be used on the product.

The machine is equipped with a specially designed cord which if damaged, must be replaced by a cord of the same type. This is available at authorised service centres and dealers and must be installed by trained personnel.

Only applicable to UK.

Please read these essential instructions

These instructions have been prepared with safety and efficiency paramount.

The machine operator must be trained by a suitably qualified instructor and must understand these instructions for use, and be made aware of any relevant regulations and legislation in force at the time of use.

CAUTION

DOUBLE-INSULATED MACHINES - IMPORTANT:

This 240 volt 50 Hz. machine is fitted with a 13 amp. 3 pin moulded plug. The plug is fitted with a 13 amp. detachable fuse. The correct replacement for the fuse is identified by marking or colour coding. Only fuses that are ASTA approved to BS 1362 should be fitted. Never use the plug without the fuse cover fitted. Replacement fuse covers are available at any electrical retail outlet.

If the available socket outlet is not suitable for the plug supplied, the plug must be cut off and an appropriate plug fitted. The plug thus cut off MUST BE DESTROYED for safety reasons before being disposed of.



Machines built for other voltages and frequencies are not normally supplied with a fitted plug. If it is necessary to fit a plug, the wires in this power supply cord are coloured in accordance with the following code:

Blue-neutral brown-live

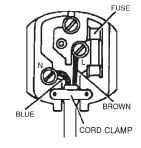
TO CONNECT THE NEW PLUG:

If using a three-pin plug, do not make any connection to the terminal in the plug which is marked with the letter 'E' or by the safety earth symbol or coloured green or green & yellow.

green or green & yellow.
The blue wire must be connected to the terminal in the plug which is marked with the letter 'N' or is coloured black or blue.

The brown wire which must be connected to the terminal in the plug which is marked with the letter 'L' or is coloured red or brown.

If the plug to be fitted does not conform to the above notation then consult a qualified electrician.



1.6 Electrical connection

WARNING

- The upper section of the machine contains live components. Contact with live components leads to serious or even fatal injuries.
 Never spray water on to the upper section of the machine.
- The vacuum cleaner must not be used if the electrical cable or plug show any sign of damage. Regularly inspect the cable and the plug for damage. If this becomes damaged, it should be repaired only by Nilfisk or an authorised Nilfisk Service Dealer, in order to avoid a hazard.
- Do not handle the electrical cable or plug with wet hands.
- Do not unplug by pulling on cable. To unplug, grasp the plug, not the cable. The plug must always be removed from the socket outlet before starting any service or repair work of the machine or the cable.
- In no circumstances should the power supply cord be wrapped around fingers or any part of the operators person.
- It is recommended that the machine should be connected via a residual current circuit breaker.
- Arrange the electrical parts (sockets, plugs and couplings) and lay down the extension lead so that the protection class is maintained.
- Connectors and couplings of power supply cords and extension leads must be watertight.

Extension lead

- As an extension lead, only use the version specified by the manufacturer or one of a higher quality.
- When using an extension lead, check the minimum cross-sections of the cable:

Cable lenth	Cross s	ection
	< 16 A	< 25 A
up to 20 m	1.5 mm ²	2.5 mm ²
20 to 50 m	2.5 mm ²	4.0 mm ²



1.7 Hazardous materials

WARNING

Vacuuming up hazardous materials can lead to serious or even fatal injuries.

The following materials must not be picked up by the machine:

- hot materials (burning cigarettes, hot ash, etc.)
- flammable, explosive, aggressive liquids (e.g. petrol, solvents, acids, alkalis, etc.)
- flammable, explosive dust (e.g. magnesium or aluminium dust, etc.)

For standard machines (without type designation -0L, 2L, LC) following further applies: The following materials must not be picked up by the machine:

Hazardous dust.

1.8 Maintenance

Remove the plug from the socket before performing maintenance. Before using the machine make sure that the frequency and voltage shown on the rating plate correspond with the mains voltage.

The machine is designed for continuous heavy work. Depending on the number of running hours – the dust filter should be renewed. Keep the machine clean with a dry cloth, and a small amount of spray polish.

During maintenance and cleaning, handle the machine in such a manner that there is no danger for maintenance staff or other persons.

In the maintenance area

- Use filtered compulsory ventilation
- Wear protective clothing
- Clean the maintenance area so that no harmful substances get into the surroundings.

For Dust Class L machines (with type designation -0L, 2L, LC) following applies:

During maintenance and cleaning, handle the machine in such a manner that there is no danger for maintenance staff or other persons.

In the maintenance area

- Use filtered compulsory ventilation
- Wear protective clothing
- Clean the maintenance area so that no harmful substances get into the surroundings.

During maintenance and repair work all contaminated parts that could not be cleaned satisfactorily must be:

- Packed in well sealed bags
- Disposed of in a manner that complies with valid regulations for such waste removal.

1.9 Regular servicing and inspection

Regular servicing and inspection of your machine must be carried out by suitably qualified personnel in accordance with relevant legislation and regulations. In particular, electrical tests for earth continuity, insulation resistance, and condition of the flexible cord should be checked frequently.

In the event of any defect, the machine MUST be withdrawn from service, completely checked and repaired by an authorized service technician.

At least once a year, a Nilfisk technician or an instructed person must perform a technical inspection including filters, air tightness and control mechanisms.

For details of after sales service contact your dealer or Nilfisk service representative responsible for your country. See reverse of this document.



2.0 Warranty

Our general conditions of business are applicable with regard to the guarantee.

Unauthorised modifications to the appliance, the use of incorrect brushes in addition to using the appliance in a way other than for the intended purpose exempt the manufacturer from any liability for the resulting damage.

As specified in European Directive 2012/19/EU on old electrical and electronic appliances, used electrical goods must be collected separately and recycled ecologically. Contact your local authorities or your nearest dealer for further information.

Quick reference guide Operating elements

- 1. Handle with receptacle for electrical lead
- 2. Fixing point for suction pipe holder
- 3. Retaining clamp
- 4. Castor
- Dirt tank
- 6. Inlet fitting
- 7. Applicance switch
- 8. Appliance socket *)
- 9. Operating knob for filter cleaning *)

Pages 2 – 12 feature a pictorial quick reference guide, which is designed to help you when starting up, operating and storing the appliance.

Meaning of the symbols

The instructions for actions are subdivided into 7 sections, which are represented by symbols.

	<u> </u>
А	Before starting
В	Control / Operation
В	Connecting electrical appliances
С	Replacement of filter bag
С	Replacement of disposal bag
С	Replacement of filter element
D	After finishing work

An asterisk (*) indicates a model variant or special accessories.

Check whether your appliance is equipped with the control elements or special accessories depicted. If not, please proceed to the next action.

Techniques

If used correctly, additional accessories, suction nozzles and suction hoses can enhance the cleaning action and reduce the cleaning effort. Effective cleaning is achieved if you follow just a few guidelines in combination with your own practical experience in special fields.

Here are some basic tips.

Picking up dry substances

Before picking up dry substances, always ensure that a filter bag is inserted in the tank (see section "Accessories" for order number). Disposal of the picked up material is then simple and hygienic.

After picking up liquids, the filter element is wet. A damp filter element clogs more quickly when dry substances are picked up. For this reason the filter element should be washed and dried or replaced by a dry element before dry substances are picked up.

Picking up liquids

Before liquids are picked up, always remove the filter bag/disposal bag.

The use of a separate filter element or filter screen is recommended. Does not apply to XC machines.

Transport

Before transporting the dirt tank, close all the locks. Do not tilt the appliance if there is liquid in the dirt tank. Do not use a crane hook to lift the appliance. Handle the appliance with care during transport.

Specifications

			ATTIX 30 / 40 / 50	40 / 50						50-21 PC EC
		EU	CH / DK	GB	GB	SN	FR	AU/NZ	ZA	EU
Voltage	^		220-240		110-120	120		220-240		220-240
Mains frequency	Hz		20	50 / 60		09		50		20/60
Fuse	А	16	10	13	16	15	16	10	13	16
Power consumption _{IEC}	W		1200		1000	0		1200		1100
Connected load for appliance socket	W	2400	1100	1750	750	800	2400	1100	1750	2400
Total connected load	W	3600	2300	2950	1750	1800	3600	2300	2950	3500
Maximum flow rate	m³/h (litres/ min)		222 (3700)		192 (3200)	; (c		222 (3700)		261 (4350)
Maximum underpressure (water lift)	hPa (in)		250 (7,38)		230 (6,79)	((250 (7,38)		230 (6,79)
Sound pressure level L _{PA} (IEC 60335-2-69)	dB(A)					67 ± 2				
Vibration ISO 5349 a _h	m/s²					≤ 2,5				
Working sound level	dB(A)					59 ± 2				
Protection class						_				
Protection grade (moist, dust)						IP X4				
Weight	Kg (lb)				10-14 (22-30)	0)				11 (24)

Specifications and details are subject to change without prior notice.



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