

# SAFETY FIRST – WHY COMPROMISE

*Health and Safety vacuum cleaners for every application*



## Nilfisk ALTO

*Why Compromise*

# XtremeClean



## XtremeClean

– automatic filter cleaning system

Nilfisk-ALTO offers the impressive filter cleaning system called XtremeClean. Extremely efficient and completely automatic. The best filter cleaning system that the market has ever seen. All you have to do is start the vacuum. The filter is immediately cleaned automatically every 15 or 30 seconds while you work. So there is no need to interrupt your work to clean your filter. You concentrate on your task, and XtremeClean will take care of the filter cleaning.

## Push&Clean

– semi-automatic filter cleaning system

The Push&Clean technology allows a fast and simple cleaning of the filter cartridge. When you block the fitting for the air inlet or the hose and push the filter cleaning button, the surrounding air enters into the container, passing through the filter cartridge in the opposite direction. The dirt is blasted off the filter and the suction performance is high again. A comfortable and powerful but gentle way of cleaning the filter.



## Sophistication in engineering

As particle sizes of hazardous dusts are measured in less than 0,1 micron, it goes without saying, that sophisticated technology combined with years of experience and expertise are crucial factors when choosing your health and safety vacuum cleaner.

### Approved for professionals

Hazardous dust demands the highest level of safety to ensure the maximum health protection. Nilfisk-ALTO health and safety vacuum cleaners span all dust classes - L (light), M (medium), H (high), Asbestos and explosive dusts classified as ATEX Type 22. All our solutions meet the new pan-European standards and bear all the necessary statutory approval symbols. The range is designed for the professionals that also demand low noise operation, ergonomics, long-life and reliable performance e.g. maintaining a filter permeability of only 0.005% on health and safety vacuum cleaners approved for use in hospitals.

### A solution for any need

The handling of hazardous dust is a complex matter that continuously calls for new, innovative product development and competent engineering. As a specialist, Nilfisk-ALTO offers state-of-the-art solutions in a full range, dedicated to solve any demanding task of picking up health-endangering dusts.



# Why compromise





These vacuum cleaners permit picking up dusts from dust class L. These include dusts with OEL values  $> 1 \text{ mg/m}^3$ .



These vacuum cleaners permit picking up dusts from dust classes L and M. These include all health-endangering, non-carcinogenic dusts with OEL values  $> 0.1 \text{ mg/m}^3$  and hardwood dusts.



These vacuum cleaners permit picking up dusts from dust classes L, M and H. These include all health-endangering dusts with OEL values, all carcinogenic dusts and dusts contaminated with germs and bacteria.



Asbestos dusts are only permitted to be picked up with vacuum cleaners conforming to dust class H. In Germany they furthermore have to meet the additional requirements for asbestos.



These vacuum cleaners are approved to pick up explosive/flamable dust in ATEX Zone 22 as well as dust from dust classes L, M or H. Furthermore these vacuum cleaners are approved to be used as dust extractors.

## Nilfisk-ALTO complies with the new pan-European standard

The national ordinances to date - the EN 60335-2-69 for Europe and the worldwide IEC 60335-2-69 have been incorporated into the new European standard and streamlined for the sake of

clarity - and in practice it means a split into the above mentioned classes. You will find the relevant classes listed with each health and safety vacuum cleaner in this brochure.

SINCE 1997 EN 60335-2-69, IEC 60335-2-69		HAZARD TYPES	DISPOSAL
Dust classe / Zone	Max. permeability		
L	1%	Removes 99% of: • Dusts with OEL values $> 1 \text{ mg/m}^3$	-
M	0.1%	Removes 99.9% of: • Dusts with OEL values $> 0.1 \text{ mg/m}^3$ • Wood dust	Low dust
H	0,005%	Removes 99.995% of: • Dusts with OEL values • Carcinogenic dusts • Dusts with germs or bacteria	Dust free
Asbestos requirement	as H	• Asbestos dust	
Explosive dusts (ATEX Zone 22)	Type 22 As Dust Class L, M or H, with additional requirements	• Dusts of dust explosion classes St1, St2 and St3 in ATEX Zone 22 (previously zone 11)	Basic machine for ATEX Zone 22 with test M or H



**FOR CRAFTSMEN AND OTHER PROFESSIONALS ON THE MOVE**

*If you are working with M-Class hazardous dust, you will find the perfect Wet&Dry solution here. Choose from 3 different container sizes and other features which enhance your working efficiency like automatic or semi automatic filter cleaning, automatic start/stop and more.*



TECHNICAL DATA	ATTIX 30-2M PC	ATTIX 30-2M XC	ATTIX 50-2M PC	ATTIX 50-2M XC
Air flow rate (l/min.)	3700	3700	3700	3700
Vacuum (mbar/kPa)	250/25	250/25	250/25	250/25
Power P <sub>max</sub> (W)	1500	1500	1500	1500
Power P <sub>IEC</sub> (W)	1200	1200	1200	1200
Working sound level (dB(A))	59	59	59	59
Container volume (l/max)	30	30	47	47
Mains connection (V/~/Hz)	230/1/50-60	230/1/50-60	230/1/50-60	230/1/50-60
Dimensions L x W x H (mm)	450x380x595	450x380x595	450x380x750	450x380x750
Weight (kg)	10	12	11	12
El cable (m)	7.5	7.5	7.5	7.5
STANDARD EQUIPMENT				
Suction hose	302001682 - [Ø36 mm x 5 m AS]	302001682 - [Ø36 mm x 5 m AS]	302001682 - [Ø36 mm x 5 m AS]	302001682 - [Ø36 mm x 5 m AS]
Extension tube	302000529		302000529	
Filter bag	302004000	302004000	302004004	302004004
Flat filter		302002842		302002842
Filter element, PET	302000490		302000490	
Disposal bag		302000804		302000728
Tool adapter	302000535	302000535	302000535	302000535
Curved hand tube	302000528		302000528	
Floor nozzle	302003666		302003666	
<b>ITEM NO.</b>	<b>107400402</b>	<b>107400401</b>	<b>107400403</b>	<b>107400404</b>

Dusts from dust classes L and M may be picked up using these vacuum cleaners. These include all health-endangering, non-carcinogenic dusts with OEL-values > 0.1 mg/m<sup>3</sup> and wood dusts. Application: industry sectors as chemicals, wood, plastics, metal, pharmaceuticals, paper and textiles, for craftsmen including carpenters, joiners and painters.



# Safety Vacuum Cleaners for dust class M



## M-CLASS VACS

- Approved for work with M-Class hazardous dust.
- Industrial specifications, robust construction, and powerful...the definition of ATTIX series vacuums.
- XtremeClean. Automatic filter cleaning system takes care of filter cleaning tasks in just a few seconds without interrupting your work.
- Push&Clean. A filter cleaning system which allows you to clean the filter in seconds... and continue your work.
- Washable PET fleece filter for high efficiency and low maintenance cost.
- SilentPower. High performance that is seen, but not heard.
- AutoOnOff for electric tools.
- EasyDisposal bag – quick and easy change of bag instead of emptying container (763-2M ED).
- SoftStart.
- Tool tray.
- MultiFit accessory system for the ultimate in task flexibility.

TECHNICAL DATA	ATTIX 751-2M	ATTIX 761-2M XC	ATTIX 763-2M ED
Air flow rate (l/min.)	3600	3600	3600
Vacuum (mbar/kPa)	230/23	230/23	230/23
Power P <sub>max</sub> (W)	1500	1500	1500
Power P <sub>IEC</sub> (W)	1200	1200	1200
Working sound level (dB(A))	57	57	57
Container volume (l/max)	70	70	~30
Mains connection (V/~ /Hz)	230/1/50-60	230/1/50-60	230/1/50-60
Dimensions L x W x H (mm)	605x580x970	605x580x970	605x580x1284
Weight (kg)	25	27	25
El cable (m)	7.5	7.5	7.5
STANDARD EQUIPMENT			
Suction hose	15325 - [Ø27 mm x 3.5 m AS]	15325 - [Ø27 mm x 3.5 m AS]	302001682 - [Ø36 mm x 5 m AS]
Extension tube			15546
Filter bag	302001484	302001484	
Filter element, PET	302000490	302000751	302000751
Disposal bag		302001480	302001629
Tool adapter	18195	18195	302000535
Curved hand tube			46691
Floor nozzle			15348
<b>ITEM NO.</b>	<b>302001526</b>	<b>302001535</b>	<b>302001695</b>





### WET&DRY SAFETY VACUUMS

If you are working with H-Class hazardous dust, you will find the perfect Wet&Dry solution here. Choose from different container sizes and other features which enhance your working efficiency like automatic or semiautomatic filter cleaning, automatic start/stop and more.



TECHNICAL DATA	ATTIX 30-0H PC	ATTIX 30-2H PC	ATTIX 50-0H PC	ATTIX 50-2H PC	ATTIX 50-2H XC
Air flow rate (l/min.)	3700	3700	3700	3700	3700
Vacuum (mbar/kPa)	250/25	250/25	250/25	250/25	250/25
Power P <sub>max</sub> (W)	1500	1500	1500	1500	1500
Power P <sub>IEC</sub> (W)	1200	1200	1200	1200	1200
Working sound level (dB(A))	59	59	59	59	59
Container volume (l/max)	30	30	47	47	47
Mains connection (V/~/Hz)	230/1/50-60	230/1/50-60	230/1/50-60	230/1/50-60	230/1/50-60
Dimensions L x W x H (mm)	450x380x595	450x380x595	450x380x750	450x380x750	450x380x750
Weight (kg)	10	10	11	11	12
El cable (m)	7.5	7.5	7.5	7.5	7.5
<b>STANDARD EQUIPMENT</b>					
Suction hose	46948 - [Ø36 mm x 3 m]	302001682 - [Ø36 mm x 5 m AS]	46948 - [Ø36 mm x 3 m]	302001682 - [Ø36 mm x 5 m AS]	302001682 - [Ø36 mm x 5 m AS]
Extension tube	302000529		302000529		
Safety filter bag	107400233	107400233	107400236	107400236	107400236
Filter element, H-class	302000658	302000658	302000658	302000658	107400449
Curved hand tube	302000528		302000528		
Tool adapter		302000535		302000535	302000535
Floor nozzle	302003666		302003666		
Diagonal nozzle	5067		5067		
<b>ITEM NO.</b>	<b>107400405</b>	<b>107400406</b>	<b>107400407</b>	<b>107400408</b>	<b>107400409</b>

Dusts from dust classes L, M and H including Asbestos may be picked up using these vacuum cleaners. These include all health-endangering dusts with OEL-values, all carcinogenic dusts and dusts contaminated with germs and bacteria. Application: industry and trade sectors as chemicals, plastics, pharmaceuticals, mining, paper and textiles; for craftsmen such as roofers and painters.



# Safety Vacuum Cleaners for dust class H & Asbestos



## H-CLASS VACS

- Approved for work with H-Class hazardous dust.
- Industrial specifications, robust construction, and powerful...the definition of ATTIX series vacuums.
- XtremeClean. Automatic filter cleaning system takes care of filter cleaning tasks in just a few seconds without interrupting your work.
- Push&Clean. A filter cleaning system which allows you to clean the filter in seconds... and continue your work.
- SilentPower. High performance that is seen, but not heard.
- MultiFit accessory system for the ultimate in task flexibility.

TECHNICAL DATA	ATTIX 751-0H	ATTIX 761-2H XC	ATTIX 965-0H/M SD XC
Air flow rate (l/min.)	3100	3600	2 x 3600
Vacuum (mbar/kPa)	230/23	230/23	250/25
Power P <sub>max</sub> (W)	1400	1500	2 x 1500
Power P <sub>IEC</sub> (W)	1100	1200	2 x 1200
Working sound level (dB(A))	57	57	67
Container volume (l/max)	70	70	50
Mains connection (V/~ /Hz)	230/1/50-60	230/1/50-60	230/1/50-60
Dimensions L x W x H (mm)	605x580x970	605x580x970	615x690x990
Weight (kg)	25	27	45
El cable (m)	7.5	7.5	10
<b>STANDARD EQUIPMENT</b>			
Suction hose	46948 - [Ø36 mm x 3 m]	63209 - [Ø36 mm x 4 m AS]	
Safety filter bag	302001486	302001486	302003473
Disposal bag			302001480
Filter element, H-class	302000658	302001137	107400564
Curved hand tube	46691		
Diagonal nozzle	5067		
<b>ITEM NO.</b>	<b>302001519</b>	<b>302002174</b>	<b>302002903</b>



## Asbestos

Asbestos is a group of naturally occurring inorganic crystalline silicates which are found in the form of fibres. When subjected to mechanical loads these fibres can split, producing ever thinner fibres, which can consequently be deposited in the lungs.

Asbestos is not used any more, but a lot of materials and buildings that contain asbestos have to be renovated. By breaking, beating, drilling, sawing, grinding or milling, the asbestos fibres are released. This dust has to be contained directly at the source! Vacuuming asbestos requires the use of an approved H-class safety vacuum cleaner. Further on in Germany, asbestos dusts may only be picked up with cleaners of dust class H, which meet the additional national requirements for asbestos.

# Safety Vacuum Cleaners for dust class Type 22



## FOR ATEX ZONE 22 EXPLOSIVE DUSTS

If you are working in an ATEX Zone 22 explosive dust environment, you will find the perfect Wet&Dry solution here. Choose from different container sizes and performance levels, all with features that will enhance your working efficiency and minimize your operating costs.



TECHNICAL DATA	ATTIX 40-0M PC TYPE 22	ATTIX 791-2M/B1	ATTIX 995-0H/M SD XC TYPE 22
Air flow rate (l/min.)	3200	3800	2 x 3200
Vacuum (mbar/kPa)	230/23	250/25	230/23
Power P <sub>max</sub> (W)	1400	1500	2x1400
Power P <sub>IEC</sub> (W)	1100	1200	2x1100
Working sound level (dB(A))	60	59	67
Container volume (l/max)	37	70	50
Mains connection (V~/Hz)	230/1/50-60	230/1/50-60	230/1/50-60
Dimensions L x W x H (mm)	450x440x750	605x580x970	615x690x990
Weight (kg)	13	25	45
El cable (m)	7.5	7.5	10
STANDARD EQUIPMENT			
Suction hose, electrically conductive	44193 - [Ø36 mm x 4 m]	48132 - [Ø27 mm x 3.5 m]	
Curved handtube	44188		
Filter bag	302004004	302001484	
Safety filter bag			302003473
Filter element	302000490	302000490	107400564
Tool adapter		18195	
Disposal bag			302001480
Diagonal nozzle, rubber	302000227		
<b>ITEM NO.</b>	<b>107400410</b>	<b>302001537</b>	<b>302002904</b>

## TYPE 22 VACS

- Approved for work in ATEX Zone 22 environments with explosive dust.
- Industrial performance, robust construction, and loaded with useful features to maximize your efficiency and minimize your costs.
- Brushless, long life motors for top performance and durability.
- High capacity containers for big jobs.
- A full range of Type 22 accessories are available to tailor your machine to your application.
- Approved for use as dust extractors.



Dusts from dust classes L, M or H as well as explosive/flammable dusts in ATEX Zone 22 may be picked up with these vacuum cleaners. Application: industry and trade sectors as chemicals, wood, plastics, metal, food, pharmaceuticals, paper and textile; for craftsmen such as carpenters, bakers and floor layers.





# Features and Benefits



## FlowSensor

According to the regulations for the operation of a safety vacuum, the air flow in the hose must always be at least 20 m/s so that the dust can be transported to the container entirely. This function must be controlled and an acoustical or visual warning signal must appear when it falls under the minimum requirement.

The Nilfisk-ALTO patented "FlowSensor" technique electronically measures the air flow directly with the use of two thermal gates. In such a way, the air flow can be exactly determined in all operating conditions - the use of suction hoses with different diameters and/or power supply waving is also not a problem.

The air flow can also be measured accurately when the full suction power is not necessary, for example, to prevent that a sander is sucked to the surface because the suction power can be continuously adjusted to fit the individual uses.

### Advantages:

- higher work safety with steady air speed
- longer life and less maintenance through electronic components
- easier handling with continuous suction power regulation
- reduced noise and lower energy consumption when the maximum power is not necessary
- reliable technology even with power supply waving and/or hoses with different diameters.

## System EC

The "EC System"- used for all ATEX Zone 22 vacuums- is a single-phase (230V) drive system developed by Nilfisk-ALTO with an electronically commutated direct current motor. It is further developed in that the motor is electronically controlled and the carbon brushes are therefore not necessary.

### Advantages:

- collectorless motor - carbon brushes unnecessary
- easier start
- operation without wear and tear
- no sparks
- life of the motor is approximately 10 times higher than universal collector motors
- series free of ignitable sources therefore suitable for use in Series Type 22 machines
- maximum entire efficiency around 12% higher than for conventional universal collector motors
- with overload protection for the motor and the electronics

### Result:

With the single-phase EC system drive, a real alternative to 3-phase vacuums can be realized in the form of a much smaller and less expensive machine.



## AntiStatic

The enormous speed of the dust particles and the resulting friction cause high charges to occur in the hose continuously. These high charges discharge themselves by giving off sparks. These discharges can cause electrical shocks or even, these sparks can ignite the explosive material.

The AntiStatic-system of the Nilfisk-ALTO vacuum cleaners means that the inlet fitting of the vacuum cleaner is connected to earth. This means that working with a conductive suction hose the static charges are discharged immediately. Electric shocks, sparks and also dirt due to electrostatic charges are prevented. Tested, unmistakable attachments ( $R \leq 1M\Omega$ ) are required for vacuums from Series Type 22.

### Advantages:

- no dangerous sparks in the suction hose
- no unpleasant electrical shocks
- grounded suction hose prevents the accumulation of dirt

## Professional Quality - Quality for professionals

The use of high-grade materials, robust construction and comfortable operation are all trademarks of the Nilfisk-ALTO vacs. The Nilfisk-ALTO Vacuums set new standards for design and ergonomic. The operating elements turned to the user, a round switch that also can be used wearing gloves, the ergonomic grip and the slim shape offer an easy use and a high mobility. The tool deposit, the accessory- and cable holders plus the silent operation in combination with the superior suction power makes a pleasure out of work.

An additional contribution to comfort and work protection is the low noise emission of the high performance turbine.

### Advantages:

- longer life
- sturdiness
- high performance
- low noise emission
- ergonomically machine concept
- professional design



### MultiFit

Thanks to the universal Nilfisk-ALTO connection system “MultiFit” and the extensive range of accessories, the user can find a suitable attachment for each job. MultiFit is conceived so that all suction hoses, regardless if the diameter is 27, 32, 36, 38 or 50 mm can be connected to the vacuum without further expenditure. When used as directed, the FlowSensor technology guarantees the exact control of the air speed in the suction hose and therefore keeps the system safe.

### Advantages:

- higher flexibility
- a solution to every application
- adaptation of the hose diameter to the type of dust

## FilterSafe

The filter bag lock, which is used in all Safety Vacuums, gives additional safety. The filter bag is closed tight before disposal so that no dust can escape. The single lock makes it possible to dispose the filled filter bag without danger.

According to the EN 60335-2-69, vacuums which vacuum dusts from the Dust Classes M or H must have a low dust or dust free disposal system- i.e. little or no dust may be released into the surroundings atmosphere when the filter bag is changed. The safety filter bags from the Nilfisk-ALTO FilterSafe fulfil these requirements.

### Advantages:

- fast filter bag change
- no dust escaping
- closed system for disposal

## Auto OnOff

Vacuums equipped with the Nilfisk-ALTO automatic on/off are especially suitable for operation with electric or pneumatic tools (special accessory ‘Airbox’ needed). By connecting the tool directly to the vacuum, the dust is vacuumed directly from source. The vacuum switches automatically on and off with the tool.

AutoOnOff is combined with follow up controls for the complete emptying of the suction hose and continuous suction power regulation, which adapts the suction power to the job.

# Accessories for health & safety vacuums

**Nilfisk-ALTO OFFERS MORE DEDICATED SOLUTIONS...**

*In order to accommodate specific customer needs Nilfisk-ALTO has developed a full range of accessories and accessory sets. You will find more accessories and more sets in the main Nilfisk-ALTO catalogue.*

## Accessories



### AIRBOX

Converts a vacuum with Automatic OnOff (-2M models) and allows you to control the machine with pneumatic hand tools. Simply connect the air hoses to the AIRBOX, plug the AIRBOX into the electric socket of the vacuum cleaner and switch the vacuum cleaner to Auto-mode.

ATTIX 30/40/50 (230 V)  
ATTIX 7/9 (230 V)

**107400079**  
**302001192**

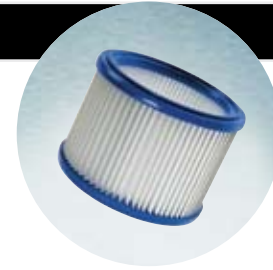


### Cooling Air Filter

Filtering the cooling air means less wear on the motor, and a longer life. When working in very dusty areas Nilfisk-ALTO recommends to use the cooling air filter.

ATTIX 30/40/50  
ATTIX 7  
ATTIX 9

**302003721**  
**302000491**  
**107400041**



### Washable PET Filters

All of the Nilfisk-ALTO M-class machines have washable PET Filter elements for reduced operating costs. H-class machines are provided with individual certified Glassfiber-Paper filter elements with guaranteed 99,995% filtration.

## Accessory sets



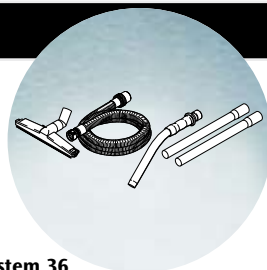
### Workshop-Set, System 36

Robust accessory set with stainless steel tubes and a long hose.

*Including:*

4 m suction hose, universal	25537
Curved hand tube, stainless steel	46691
2 suction tubes, stainless steel	15546
Professional floor nozzle, 360mm	60356
Crevice nozzle, plastic	6084
Diagonal tube nozzle, rubber	5067

**302000927**



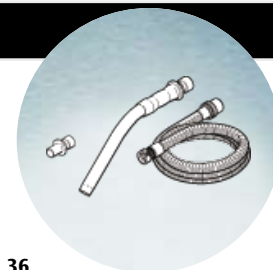
### Industrial floor set, System 36

The wide nozzle of this accessory set is perfect for cleaning large areas.

*Including:*

4 m suction hose, oil-resistant	61779
Curved hand tube, stainless steel	46691
2 Suction tubes, stainless steel	15546
Large capacity floor nozzle with rubber lips	15349

**63214**



### Hose set, System 36

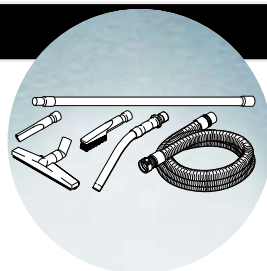
Small set as addition to the accessories you already have.

*Including:*

4 m suction hose	25537
Curved hand tube, stainless steel	46691
Adapter	29457

**63210**

## Accessories for Type 22



### The ATEX directive

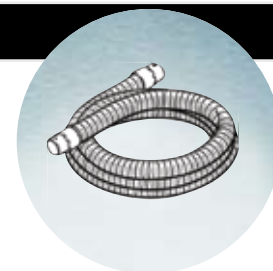
Our Type 22 safety vacuum systems have been tested in accordance with the appropriate standards for ATEX Zone 22. ONLY Type 22 accessories must be used to ensure continued conformity to the standards.

### B1-Set, System 36

A complete accessory kit.

B1 for Type 22 vacuum cleaners.  
Include 4 m suction hose Ø36 mm, curved hand tube, extension tube, large capacity floor nozzle, crevice nozzle, brush nozzle

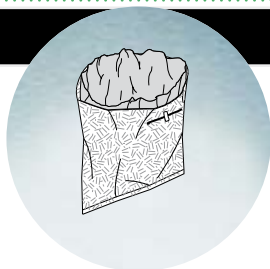
**48907**



### B1-Hose

Swallows lots of dust and debris. Electrically conductive 50 mm suction hose

Ø27 x 3.5 m	<b>48132</b>
Ø32 x 5 m	<b>48131</b>
Ø36 x 4 m	<b>44193</b>
Ø50 x 4 m	<b>43245</b>



#### Disposal bag

The easy, pleasant and clean way to dispose your dust. Instead of standing in a dust cloud while emptying the container, simply close the disposal bag before you dispose.

ATTIX 30/40  
ATTIX 50  
ATTIX 7 & 9 (SD version)

**302000804**  
**302000728**  
**302001480**



#### Exhaust Air Collector

Get rid of the vacuumed air by using the exhaust air collector. Ideal for absolute healthy and clean rooms. Can also be used with your vacuum hose to blow dirt out of hard-to-reach places.

ATTIX 30/40  
ATTIX 50  
ATTIX 7 & 9 (SD version)

**302003717**  
**302000522**  
**302002621**



#### Accessory net

For transportation of even more tools an accessory net is available and can be mounted on the vac. Content is visible through the durable mesh.

ATTIX 30/40/50/7

**302000524**



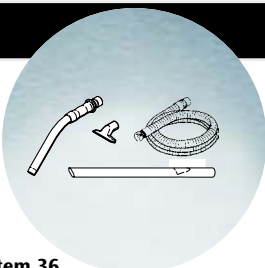
#### Industrial set, System 38

Accessory set for plenty of dust and debris.

**302002881**

#### Including:

4 m suction hose	302002796
Stainless steel extension tubes	302002888
Curved hand tube,	302002889
Industrial floor nozzle, 400 mm	302002798
Crevice nozzle, special plastic	302002890



#### Heating boiler set, System 36

A set for special applications to get the dust out of deep slits.

**60430**

#### Including:

Hand tube, stainless steel	46691
Universal nozzle, aluminum	5145
Crevice nozzle, long metal	17836
3 m suction hose	46948



#### Industrial set, System 50

Accessory set for plenty of dust and debris.

**63216**

#### Including:

Anodised aluminum extension tube	15335
Industrial floor nozzle, aluminum	15343
Replacement rubber lips	15346
Crevice nozzle, special plastic	7102
Coarse dirt nozzle, aluminum	41100
4 m suction hose	15358

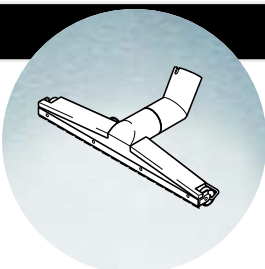


#### Large rolling nozzle

Attached to the frame of the ATTIX 7 or 9, you simply roll the machine along to clean the floor.

ATTIX 7  
ATTIX 9

**302001481**  
**302002886**



#### B1-Floor nozzle

Wide tool – perfect for cleaning large areas.

Industrial roller nozzle,  
50 mm dia., 500 mm

**42834**

Large capacity floor nozzle,  
36 mm dia., 450 mm

**302000369**

*Find more accessories and more sets in the main Nilfisk-ALTO catalogue.*

# Health & Safety Vacuum Cleaners Taking advantage

- Health & Safety vacuum cleaners for all dust classes
- Reliable and durable
- Economical use
- Qualified safety
- EC Longlife drive



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[www.nilfisk-alto.com](http://www.nilfisk-alto.com)

The Nilfisk-ALTO brand is owned by Nilfisk-Advance A/S, one of the leading professional cleaning equipment companies in the world, with a turnover of Euro 789 million and 4,900 employees. Our headquarters is in Denmark and we have sales companies in all main European countries, North America and Asia. Our manufacturing facilities are in Hungary, China, Italy, the USA, Singapore, Denmark and Germany.

We supply quality high pressure washers, vacuum cleaners and floor care equipment to agriculture, automotive and industrial companies, cleaning contractors and private consumers.

With the Nilfisk-ALTO brand we focus on innovation and growth. We believe in developing and maintaining long lasting relationships with our customers, suppliers and employees.

**Nilfisk**  
**ALTO**  
*Why Compromise*