



THE CRAFT & CLEANING

STARS

The next century of innovation in vacuuming and sweeping has arrived. starmix always offers the right equipment as a solution to any problem.



It's time for your performance

What awaits you again today? Milling cable ducts by the kilometre?
Sanding back painted wood? A damp cellar? Working with
plasterboard?

It doesn't matter – tackle it.
With the starmix vacuum cleaner you're prepared for everything.
Even for the toughest continuous use.



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ISC BATRix

Finally - The battery vacuum cleaner with wired power

You know the situation - a mountain of work is waiting in front of you, now you have to speed up. But no power socket, no power unit for miles around... No problem for your battery-powered power tool, of course, but what about the suction? Thanks to the ISC BATRix, that's no longer a problem, because we finally have the solution! The battery-powered industrial vacuum cleaner with the power of a mains-powered one. So just switch on, start vacuuming, done!



One vacuum cleaner - lots of benefits

The BATRIX is not only a mobile vacuum cleaner, but also offers a wide range of other advantages. The vacuum cleaner innovation combines durability, safety and comfort in one device and thus optimally supports every craftsman in the field.

The ISC BATRIX is the world's first industrial vacuum cleaner. It is the first cordless vacuum cleaner that can keep up with the power of a corded vacuum cleaner. Fast and safe vacuuming is finally possible without cable clutter and mains connection.



Full power

The world's first cordless vacuum that can match the power of a mains unit

The 3-stage power regulation allows optimal use and extension of battery life.



Smart Auto ON/OFF Solution

With the next world innovation - the Cordless Control - we solve another problem:

Thanks to Coco, battery power tools can now finally be vacuumed with automatic start/stop.



Extremely durable

A newly developed brushless motor and the intelligent motor control system ensure

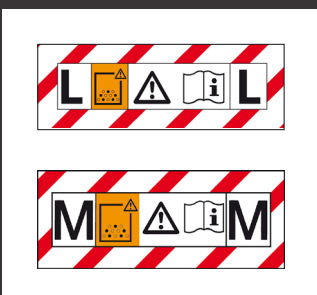
- longer service life
- Higher efficiency
- More power per battery charge



One battery for all

BATRIX runs with all 18V and 36V battery packs of the Cordless Alliance System.

The manufacturer-independent battery system is compatible with over 230 machines and offers maximum flexibility.



Stop dust

A version is available for class L (non-hazardous) and class M (hazardous) dusts. So everyone is optimally protected.

More info about dusts page 10



Clean filters

Electromagnetic pulse filter cleaning cleans the filters during work breaks so work can then continue with full air flow.



Easy organization

Accessories

Depot at the back

Suction hose

Rewinder with foldable hooks

Systainer

optionally expandable with UNIFIX Adapter plate (Art. No. 449432)



High-quality accessories

With electrically conductive suction hose, stainless steel pipes and handle, BG-Bau compliant floor nozzle and adapter for the connection of power tools, the BATRIX is well equipped.



BATRiX

The industrial battery vacuum cleaner!

With battery without compromise

The problem: Whether on the construction site, in the factory or in the private sector - drilling, milling, grinding or sawing often provides very high dust emissions. **The danger:** Without appropriate protective measures, the smallest dust particles generated in the process are inhaled. In the worst case, they can penetrate into the pulmonary alveoli, where they can cause serious damage. **The ideal solution:** Preventing dust formation in good time - by using powerful starmix high-performance power tool vacuums. **Your advantage:** They extract dust particles with intelligent pulse filter cleaning directly at the power tool.

★ Scope of delivery:



Equipment

- 1 x hose EL 35-400 (electrically conductive), ø 35 mm x 5 m, Art.-No. 447193
- 1 x 1 x handle tube ES, Art.-No. 424804
- 2 x suction tube ES (je 50 cm), Art.-No. 424859
- 1 x rotatable connection sleeve
- 1 x floor nozzle 30 (BG Bau), Art.-No. 440941
- 1 x Cordless Control (CoCo) Art.-No. 453644



All information about the new filters on page 87

BUY BATRiX NOW
All information and the exclusive store at www.batrix.de



Innovative vibrationsensor (CoCo) on the suction hose, for coupling the battery power tool and the vacuum cleaner (receiver integrated in the Batrix)

CORDLESS CONTROL

Battery compartment
for 2 x 18V or 1 x 36V battery pack

Main switch:

ON with 3-stage speed controller
AUTO (automatic switch-on)
- ON/OFF via Cordless Control
- 3-stage speed controller
OFF

Filter cleaning:

AUTOmatic
MANual
OFF (vibrator off)

Battery management
with temperature monitoring and chargecontrol display

Vacuum cleaner dust class M with preselector
Hose Ø
15, 27, 32, 35, 42 mm




BATRIX L 36-18V

Wet/dry vacuum cleaner, dust retention capacity $\geq 99\%$ according to dust class „L“





100999

BATRIX M 36-18V

Wet/dry vacuum cleaner, dust retention capacity $\geq 99.9\%$ according to dust class „M“



100777

Article no.	100999		100777	
Scope of delivery				
Accessories	Hose EL 35-400 (electrically conductive), connection sleeve rotatable, 1 x handle ES, 2 x suction tube ES, 1 x floor nozzle 30, 1 x Cordless Control (CoCo) Optional: Battery pack 18V Li-HD 10.0 Ah, art. no. 457031, Quick charger ASC 145 art. no. 448855		Hose EL 35-400 (electrically conductive), connection sleeve rotatable, 1 x handle ES, 2 x suction tube ES, 1 x floor nozzle 30, 1 x Cordless Control (CoCo) Optional: Battery pack 18V Li-HD 10.0 Ah, art. no. 457031, Quick charger ASC 145 art. no. 448855	
Filter bag	1 pc. FBV 25/35 After sales art. no. 411231 (5 pack)		3 pcs. FBPE 25/35 After sales art. no. 425764 (5 pack)	
Equipment				
Main filter	FKP 4800 M ADVANCED (polyester) Dust retention capacity: 99.9% 		FKP 4800 M ADVANCED (polyester) Dust retention capacity: 99.9% 	
Impulse filter cleaning	yes, during work breaks		yes, during work breaks	
starbox holder (Systainer system), not lockable	yes (lockable with „Unifix“, order separately art. 449432)		yes (lockable with „Unifix“, order separately art. 449432)	
Speed controller	yes		yes	
Filter control light	yes		yes	
Carrying handle, hose fixing	yes		yes	
Pre-selection switch volume flow/hose \varnothing	no		yes 15, 27, 32, 35, 42 mm	
Electrical volume flow monitoring with optical + acoustic warning function	no		yes	
Rotary vane: flexible use of fleece filter bags and PE emptying bags	yes		yes	
Closure for intake manifold	yes		yes	
Soft start / after-run	yes		yes	
Water level detection (Auto shut-off)	yes		yes	
Electrostatic discharge	yes		yes	
Accessories storage	yes		yes	
Technical data				
Voltage	Volt	36V (1 x 36V / 2 x 18V)	36V (1 x 36V / 2 x 18V)	
Running time at 2 x 18V 10.0 Ah (approx.) (we recommend the use of 10.0 Ah batteries.)		Boost: 20 min Eco: 34 min Low: 100 min	Boost: 20 min Eco: 34 min Low: 100 min	
Charging time 1 x battery 18V 10.0 Ah		75 min	75 min	
Volume flow (max.) measured at motor head / hose end	l/s	67 / 38	67 / 38	
Vacuum (max.) measured at motor head / hose end	mbar	240 / 213	240 / 213	
Container volume (max.) gross-dust-water	l	25/20/15 plastic	25/20/15 plastic	
Sound pressure level	dB(A)	69	69	
Dimensions	L x W x H	45 x 40 x 57,5 cm	45 x 40 x 57,5 cm	
Filter surface	cm ²	2 x 4.800 = 9.600	2 x 4.800 = 9.600	
Weight	kg	12,5	12,5	

SMART L 18V

The battery vacuum cleaner to go!

Compact, powerful - simply SMART!

Just sawing something off, quickly drilling a hole, or in a hurry something has fallen down that needs to be cleaned up - we know the situations. But now unpack the big vacuum cleaner and first look for a socket or sweep up the dirt laboriously with a broom? No, we have the solution - the SMART 18V! Thanks to powerful CAS battery technology and a handy 4.2 kg empty weight, it is quickly at the place of use and reliably sucks off or up.



NEW
from Q2



SMART L 18V

Portable battery-powered wet/dry vacuum cleaner, Dust retention capacity $\geq 99\%$ acc. to dust class "L"



123455

★ Scope of delivery:



Equipment

- 1 x Flexible hose, Quix system, \varnothing 35 mm x 0.5 - 2.5 m, Art. no. 459677
- 3 x Suction tube (33 cm each), \varnothing 35 mm, Art.-No. 459707
- 1 x Tool sleeve AS 2835, Quix (anti static), art. no. 459875
- 1 x Handle tube basic, Quix
- 1 x Upholstery nozzle
- 1 x crevice nozzle1

QUIX -Accessory System

The new QUIX system enables accessories to be changed quickly, safely and easily. Sleeves and handle tubes are attached, snap into place and can be removed again with a slight twisting motion.

Article no.

Scope of delivery

Accessories

See scope of delivery

Filter bag

Optional: Battery pack 18V Li-HD 10.0 Ah, article no. 457031, Quick charger ASC 145, article no. 448855

1 fleece filter bag FBV 6
in the after-sale fleece filter bag FBV 6 (pack of 5)
Art. No.: 459721

Equipment

Main filter

Pleated filter FPP 3000 (polyester)
Dust retention capacity: $\geq 99\%$
art. no. 459738

Filter cleaning

manual - PressClean

Power levels

2-stage - ECO and BOOST

Extendable hose

0,5 - 2,8 m

Carrying handle & strap, hose fixation

yes

Electrostatic discharge (EL)

no

Accessory holder

yes

Technical data

Voltage

Volt

18V

Running time with 18V 5.2 Ah (approx.)

(we recommend the use of 5.2 Ah batteries)

Boost: approx. 19 min
Eco: approx. 30 min

Charging time 1 x battery 18V 5.2 Ah

104 min

Volume flow (max.)

measured at motor head / hose end

l/s

37

Vacuum (max.)

measured at motor head / hose end

mbar

130

Tank volume (max.)

Gross dust-water

l

6,0 / 4,5 / 2,0
Plastic

Sound pressure level

dB(A)

71

Dimensions

L x W x H

21,2 x 28,8 x 39,3 cm

Filter area

cm²

3000

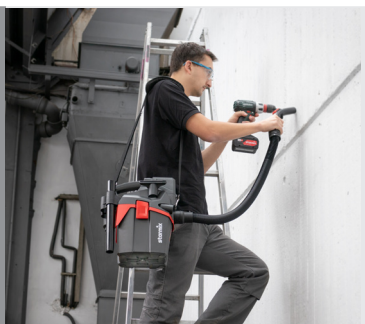
Weight

kg

4,2

Maximum mobility

With the practical carrying strap, the SMART can not only be transported comfortably, but is also easily carried over the shoulder during vacuuming for a maximum action radius.



Versatile use

Thanks to the practical blowing function, blowing out, drying and discharging the exhaust air is also conveniently possible with the SMART in addition to suction.



Cordless Alliance System

One battery

many solutions.

Cordless Alliance System (CAS) is a cross-manufacturer battery pack system of leading power tool brands. The alliance unites innovative power, high performance of the products and the common goal to make professionals independent from the power socket. Together with nine other manufacturers, starmix and haaga are among the founding members. The circle of the CAS is growing steadily, in the meantime it is already 200 machines and 20 brands with one battery pack.



100% compatibility for over 280 machines in the 18 volt class!

Unlimited combinations: Now you can combine machines, battery packs and chargers of different manufacturer with each other without any problems.



100% leading battery pack technology!

CAS uses the world's most powerful battery pack system in the industry - from Metabo. With more than 30 years of battery pack expertise, Metabo is pioneer in the battery pack technology and in the topic of "cordless construction site". The focus is on 18V the most important application range for professional users.



100% user benefits!

CAS stands for a sophisticated battery pack system on which you can now also rely for different standard and special applications. Thanks to the multiple use of existing battery packs you achieve clear cost benefits. CAS also offers highest reliability and high investment security of a guaranteed sustainable battery pack system.

Warning, fine dust!

Better, dust-free work

The problem: whether on a building site, in business premises or homes – drilling, milling, grinding and sawing often create very high dust emissions. The danger: without the relevant protective measures, the smallest of dust particles are breathed in. In the worst cases, these penetrate into the alveoli, where they cause severe damage. The ideal solution: timely avoidance of dust development through use of the highly efficient Starmix high performance electric power tool vacuum cleaners. The advantage: they suck up dust particles directly into the electric tool with intelligent pulse filter cleaning.



Fine dust is highly dangerous!
So always take care of
your health.

★ Take no risks!

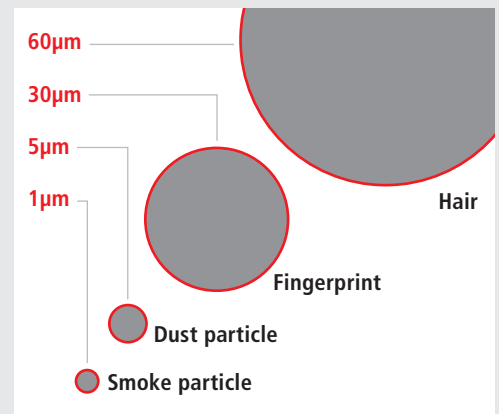
It doesn't matter where you work – dust occurs everywhere. Therefore, it is important to know the dangers that could exist. They range from light to middle through to highly dangerously classified dusts. At high exposure, it often leads to illnesses - in extreme cases, even lung cancer.



★ Do not forget: finer is more fearsome.

The general rule is: the finer the dust, the greater the health risk. Therefore, different particle sizes have different dangers:

- < 10 μm Reduces lung function
- < 2 μm Skin and eye ailments
- < 1 μm Tumors
- < 0.1 μm Heart and lung diseases



★ Dust-free instead of construction freeze!

Since 1st June 2010, new technical rules for dangerous materials have been in force (TRGS 559). The legislators stipulate that machines and equipment are to be operated in such a way that as little dust is released as possible.* In some countries, authorities are already closing down construction sites with no dust extractors in operation.



NO MORE DUST, NOW!

Detailed info here!

★ **The best vacuum cleaner for every task.**

Starmix offers a suitable vacuum cleaner solution for every dust protection class:

- Direct dust vacuuming at the tool
- Intelligent electric and innovative filter systems
- Patented permanent impulse filter cleaning "iPulse" for the toughest challenges
- Use of fleece and PE bags possible.



★ **All dust classes at a glance.**

Dust class L (light)

These dusts have an occupational exposure limit value (AGW) of $> 1 \text{ mg/m}^3$. The filter material of vacuum cleaners of dust class L is tested. The maximum particle penetration grade is less than 1%. There are no special disposal requirements.

Dust class M (middle)

Here, dusts with an AGW of $> 0.1 \text{ mg/m}^3$ are present. These vacuum cleaners are tested as complete units. The maximum particle penetration grade is less than 0.1%. Disposal of the dirt must be carried out low on dust.





Dust class H (high)

This dust class covers dust with every AGW value, all carcinogenic dust and dust which is tainted with pathogens. These vacuum cleaners are also tested as complete devices. The maximum particle penetration grade is less than 0.005%. Disposal of the dirt must be carried out free of dust.

Dust class asbestos

This class corresponds to dust class H. The difference: an additional test for machines and devices that eliminates dust and is intended to collect and separate asbestos (in accordance with TRGS 519).

Dust classes in accordance with IEC/EN 60335-2-69, annex AA (extract)

Dust class	AGW value*	Particle penetration grade (max.)	Disposal
	$> 1 \text{ mg/m}^3$	$< 1\%$ (filter material only)	–
	$\geq 0.1 \text{ mg/m}^3$	$< 0.1\%$ (complete system)	low dust
	all	$< 0.005\%$ (complete system)	free of dust
Additional requirements for asbestos 	asbestos	$< 0.005\%$ (complete system)	free of dust

*AGW = Occupational exposure limit value

★ **Working with Starmix: lots of choice, many advantages.**

As well as the avoidance of dangerous fine dusts, starmix vacuum cleaners offer many other advantages. A few examples:

- awarded with the best certifications (A TNO)
- simple, self-explanatory operation.
- protects the electric power tool from extreme dirt.
- simple work preparation, as hardly any isolation or housing is necessary.



Electric power work area		Features and technical data																		
iPulse	Work without interruption	Pulse filter cleaning during breaks (automatic)	PressClean - filter cleaning during work breaks (manual)	Speed controller	Flow volume display	Antistatically prepared	Antistatic suction hose included	Filter material L / M / H / H asbestos	Break (Y/n)	Max. power consumption/watt	Vacuum (mbar, measured at the motor head)	Volume flow (l/s, measured at the motor head)	Max. container volume/litre	Weight/kg	Action radius (including cable and pipe)	Hose length and diameter	Sound volume dB(A)	Filter surface area cm ²	Page	
●			●	●	●			L	y	1600	280	75	35	15,6	11,0-12,0	5m / 35mm	69	8600	22	
●			●	●	●			L	y	1600	280	75	35	16,8	13,0-14,0	5m / 35mm	69	8600	22	
●			●	●	●			M	y	1600	280	75	35	15,6	13,0	5m / 35mm	69	8600	24	
●			●	●	● ●			M	y	1600	280	75	35	16,8	13,0	5m / 35mm	69	8600	24	
●			●	●	● ●			H	y	1600	280	75	35	16,8	13,0	5m / 35mm	69	8600	24	
●			●	●	● ●			H	y	1200	265	70	35	16,8	13,0	5m / 35mm	69	8600	25	
	●		●		●			M	y	1600	280	75	25	12,2	13,0	5m / 35mm	69	8600	30	
	●		●		●			M	y	1600	280	75	25	12,2	13,0-14,0	5m / 35mm	69	8600	30	
	●		●		●			M	y	1600	280	75	50	18,3	13,0-14,0	5m / 35mm	69	8600	30	
	●			●	●			M	y	1600	280	75	25	12,2	13,0	5m / 35mm	69	8600	31	
	●		●		● ●			L	y	-	240	67	25	12,5	∞	4m / 35mm	69	8600	7	
	●		●	●	● ●			M	y	-	240	67	25	12,5	∞	4m / 35mm	69	8600	7	
			●		●			M	y	1400	259	69	20	8,5	11,2-12,2	3,2m / 35mm	72	3600	38	
			●		●			M	y	1400	259	69	32	8,6	11,2-12,2	3,2m / 35mm	72	3600	38	
			●					M	y	1400	259	69	45	12,8	11,2-12,2	3,2m / 35mm	72	3600	38	
	●		●	●	●			M	y	1400	259	69	20	9,3	11,2-12,2	3,2m / 35mm	72	3600	36	
	●		●	●	●			M	y	1400	259	69	32	9,6	11,2-12,2	3,2m / 35mm	72	3600	36	
	●		●	●				M	y	1400	259	69	35	11,1	11,2-12,2	3,2m / 35mm	72	7200	37	
	●		●	●	●			M	y	1400	259	69	45	13,3	11,2-12,2	3,2m / 35mm	72	7200	37	
	●		●	●	●			M	y	1400	259	69	55	20,3	11,2-12,2	3,2m / 35mm	72	7200	37	
		●						M	n	1200	210	71	22	6,6	8,5-9,5	2,5m / 35mm	72	3600	41	
		●						M	n	1400	255	71	30	7,5	8,5-9,5	2,5m / 35mm	72	3600	41	
								M	-	-	130	37	6	4,2	∞	0,5-2,5m / 35mm	71	4800	8	
	●							L	n	-	120	35	7,5	6,2	∞	3m / 32mm		3800	42	

Important tools always with you!

Adapter plate UNIFIX

As a professional, you don't like wasting time. So, looking for your tools is really not your thing. But you are clever and can easily attach any standard work tool box onto your starmix vacuum cleaner using the UNIFIX adapter plate. From then on, your work tool is always where you need it to be.



No transport problems anymore.
UPGRADE NOW!

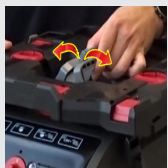
★ All common boxes are mountable! (**Systainer & Sortimo Bosch (L-BOXX)**)

		UNIFIX	
Article no.		449432	
Technical data			
Dimensions	L x W x H	cm	45 x 39 x 7,5
Weight		kg	1,2



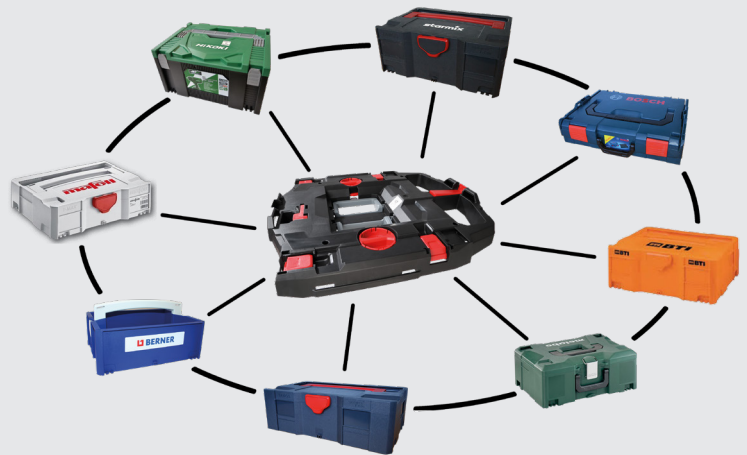
One for all

With the UNIFIX adapter plate, a large number of tool boxes from various manufacturers can be mounted and transported on the vacuum cleaner. UNIFIX fits universally on all starmix **iPulse**, **ISP** and **ISC Compact** series.



Tool-free mounting

For mounting the adapter plate UNIFIX on the head of the vacuum cleaner no tools are required.



Hose winding

Easy and secure attachment. The hose is wrapped around the suction head and pressed three times in the two-sided brackets. Simple and efficient.




Cable hook

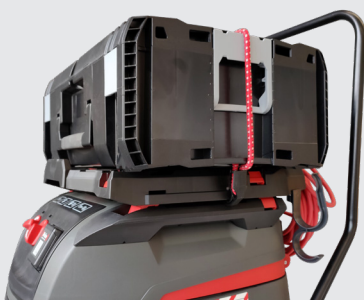
The integrated cable hook with plug fixation on the adapter plate ensures a tidy cable during transport and storage.



YOUR BENEFITS AT A GLANCE:

- ✓ For all common tool boxes of the systems "Systainer" (T-Loc / Classic / Midi) and "Sortimo/Bosch (L-BOXX)"
- ✓ Compatibel with all starmix vacuum cleaners of the ' series iPulse, ISP und ISC
- ✓ Tool-free mounting
- ✓ Hose winding
- ✓ Integrated cable hook
- ✓ Top quality "Made in Germany" 

UNIFIX



Wire ropes

Recesses for tensioning cables: to attach boxes, which don't match the System Systainer or Sortimo, or other objects.



Adapter plate

Also perfectly equipped for stationary work in the workshop. With UNIFIX, the tools you need will always be within reach.

"iPulse" Reloaded: for your greatest challenges

The electric power tool is in your hands. A long day is ahead of you. Tough work, long hours. You can't afford any interruptions, you must finish. You know that dust is awaiting you. A lot of dust. Dangerous dust. But that doesn't bother you. Your "iPulse" will protect you. And the air is always clean. Your tools last longer. Your customer is satisfied and you leave a clean, dust-free site behind you.



iPulse
intelligent pulse filter cleaning

iPulse RELOADED

Warning, fine dust!
Take care of your health.
page 10/11

"iPulse" series

For the most fine, and problematic dust!

The innovative power tool vacuum for extreme use with very high dust emission. For vacuuming directly next to electric power tools during drilling, milling, grinding and sawing work. Innovative filter technic for materials such as concrete, plaster, stone and cement, through to wood, metal, paint and lacquer and on to the handling of health-endangering, asbestos-containing fine dust. "iPulse" technology with intelligent pulse filter cleaning provides permanently free filters without performance deficits and suction power interruption.

CRAFT

Your colleagues are delighted:

Frank A. (carpenter)
about the iPulse:

"With the iPulse I was able to vacuum the machines in our carpentry shop in seconds. This saves me a lot of time and I can also save time cleaning the filters thanks to the intelligent filter cleaning system. Really great!"



Klaus H. (assembly operation)
about the iPulse:

"Amazing what the iPulse contributes in terms of performance. In addition, other useful details make the daily work routine easier. I think the big wheels and the handle are great, the vacuum is easy to lift up the stairs."



„iPulse“ series

Hightech, Highpower, High-end

The patented filter cleaning technology gives the iPulse its unique performance. The demand-driven, permanent filter cleaning works without power interruption and enables uninterrupted vacuuming. This saves time and costs, and improves productivity by eliminating the need for involuntary work breaks.



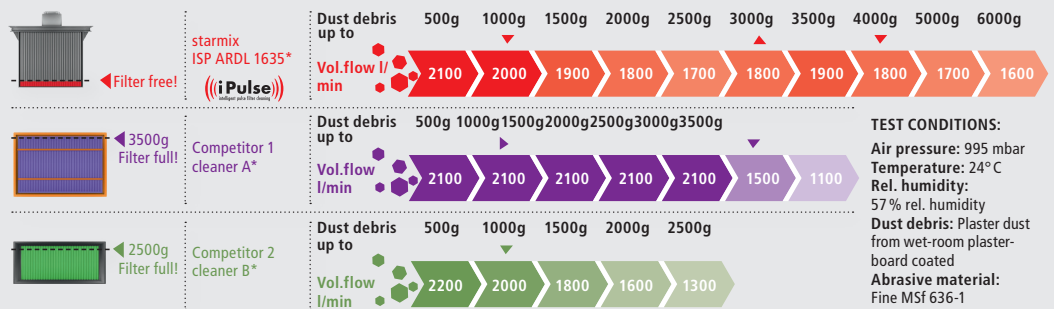
Away with dust:
filter cleaning without
power interruptions for
continuous work!

★ "iPulse" – the first vacuum cleaner in its class with differential pressure measurement



Intelligent electronics measure the suction before and after the filter (DDM). As soon as a suction value set at the factory is fallen below, the impulse filter cleaning switches on automatically and cleans both filter cassettes for 3.5 seconds, one after the other, with electromagnetic shocks. Even problematic dust such as plaster cannot stand the forces at work - over 300 times the force of gravity (300 g).

Fill level/volume flow comparison with plasterboard



Continue when all the others have given up!

Smartfix

The 4-point tool that can be used without tools for attaching all transport toolboxes of the "systainer" system. 2 rails expand the storage area of the suction head and offer velcro straps, e. g. for attaching the suction tube.



Speed control/ selection switch

2-level speed control for M-, H- and H-asbestos vacuums is integrated into the selection switch with which the tube diameter is adjusted.



iPulse RELOADED



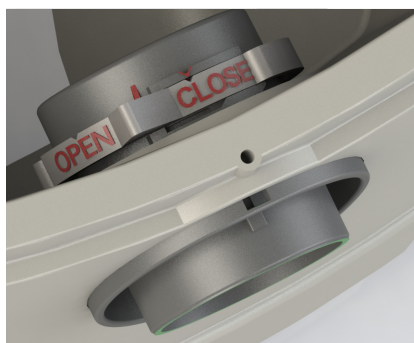
NEW FEATURES AT A GLANCE:

- ✓ Adapter plate UNIFIX for mounting tool boxes of the systems "Systainer" and "Sortimo/Bosch (L-BOXX)"
- ✓ "Smartfix" – the systainer attachment
- ✓ Powerful high-performance motor
- ✓ Speed controller integrated in the selection switch (also for M-/H- and H-asbestos)
- ✓ Push handle FB 35
- ✓ Top quality "Made in Germany" 
- ✓ Improved handling of the rotary slide
- ✓ New, elastic fastening
- ✓ Newly developed accessory fixation

Safe dust disposal

The conversion from a fleece filter bag to PE bags requires different air conditions in the container. The **starmix rotary vane** allows the use of both bags (depending on the application) by moving the slider.

OPEN = PE emptying bag
CLOSE = Fleece filter bag



„iPulse“ series

Exciting technology for real stars

The iPulse series is equipped with a range of innovative, practical solutions that significantly increase customer satisfaction and provide even more fun and comfort at work.



Great new features for even more effective working!

★ Technical highlights and features



Improved filter concept

The iPulse has **two special polyester filter cassettes of the next generation** that require even less cleaning thanks to a new design. The easy and clean access to the filter cassettes allows an uncomplicated and quick filter change - no contact with dirt or dust!



Main switch

On-demand, automatic pulse filter cleaning.
No suction loss – always free filter:

0 = OFF

IR = ON / automatic filter cleaning only with added filters

AR = Automatic start-up with on-demand filter cleaning

A = Automatic start-up without vibration



High-performance motor

High-speed motor with 15-20 % higher volumetric flow and vacuum than previous motors.



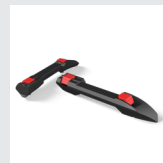
Container

Extremely robust, double-walled container for construction sites. Impact-resistant construction. Simple and quick to empty due to smooth interior walls. Very stable with large wheels and castors. Flush and stable fasteners.



Multifunctional elements (Basic variations)

4 brackets for pulling on securing straps e. g. for transporting boxes on the vacuum cleaner. Also velcros for safe storage of the hose can be fixed with this multifunctional elements.



Smartfix rail set

Smartfix allows all 'Systainer' boxes to be securely attached to the vacuum cleaner. Threading lashing straps through the grip recesses allows various accessories to be stored in the storage space on the vacuum cleaner. In addition, Smartfix serves as a handle for carrying the appliance and for fastening the hose. The hose can be securely fastened to the rail for transportation with the help of hook-and-loop straps. Models in the iPulse 'Basic' range can be upgraded (see Smartfix rail set).

Accessory storage

Optionally installed and expanded on the appliance. With 4 mounts for secure attachment of accessories. Place to stow the nozzle when not in use and 2 additional mounts on the top section.



Hose winding and fixation

Secure storage of the hose by using the velcros.





ADVANTAGES AT A GLANCE:

- ✓ For hard, continuous use on the construction site
- ✓ Approved for dust classes L/M/H/H asbestos
- ✓ DDM: constant monitoring of the filter layers
- ✓ Cleaning with 300-times gravitational strength
- ✓ Strong suction performance without interruption
- ✓ Extra robust

Seal
Elastic TPE, good handling. Injected directly at the suction inlet. For dust-free transport of the vacuum cleaner.



Push handle
For easy transport of the device. Even full and heavy containers can be moved easily. Powder-coated: no electric charge. (standard or optional)



iPulse RELOADED

"iPulse" series

Electric power tool vacuum cleaner (wet/dry)

For vacuuming directly next to power tools during drilling, milling, grinding and sawing work in the workshop or on the construction site. The specialist for the toughest continuous use on the most difficult of fine and problematic dust.



extreme dust emission



All information about the new filters on page 87

iPulse L-1635 Basic

For the most difficult fine and problematic dusts Dust retention capacity ≥ 99% % acc. to dust class "L".



iPulse L-1635 Top

For the most difficult fine and problematic dusts, with push handle, dust retention capacity ≥ 99% % acc. to dust class "L"



★ Scope of delivery:

Basic

- 1 velcro
- Accessory set BASIC:*



Equipment

- 1 × Suction hose, ø 35 mm × 3,2 m, art. no. 447193
- 1 × Tube handle, plastic with supplm. air slide, art. no. 424804
- 2 × Suction tube, plastic (each 50 cm), art. no. 424859
- 1 × Crevice nozzle (22 cm long), art. no. 417011
- 1 × Rubber nozzle (23 cm long), art. no. 425696
- 1 × Floor nozzle 30 (BG Bau), art. no. 440941

Top

- Smartfix
- 2 pcs. velcro
- Push handle
- Accessory set EWS:*



Ausstattung

- 1 × Suction hose with red supplementary air ring, ø 35 mm × 5 m, art. no. 447193
- 1 × Tube handle, stainless steel, supplm. air slide, art. no. 421445
- 2 × Suction tubes, stainless steel (each 50 cm), art. no. 424842
- 1 × Crevice nozzle (22 cm long), art. no. 417011
- 1 × Connecting sleeve, stepped, art. no. 425719
- 1 × Dust nozzle 37 with hard floor insert, art. no. 414706

Article no.	018539		018621	
Included in the scope of delivery				
Accessory set	*BASIC, only individual parts can be ordered		*EWS, art. no. 072401	
Filter bag	1 unit FBV 25-35 After-sales art. no. 411231 (5 pcs.)		1 unit FBV 25-35 After-sales art. no. 411231 (5 pcs.)	
Equipment				
Main filter	FKP 4800 M ADVANCED (polyester) Dust retention capacity: 99.9 % art. no. 459257		FKP 4800 M ADVANCED (polyester) Dust retention capacity: 99.9 % art. no. 459257	
Impulse filter cleaning	yes – iPulse		yes – iPulse	
Smartfix for toolboxes	no, multifunctional element		yes	
Multi-function element	yes, 4x		no	
Speed controller	yes, stepless		yes, stepless	
Appliance socket	yes		yes	
Filter control light	yes		yes	
Push handle	no, optional FB 35, art. no. 445137		yes	
Carring handle with cable hook / hose fixing - plug fixation	yes/yes (1 velcro)		yes/yes (2 pcs. velcro)	
Pre-selection switch volume flow / hose ø	no		no	
Electric volume flow monitoring with optical + acoustic warning function	no		no	
Rotary vane for flexible use of fleece filter bags and PE emptying bags	yes		yes	
Fastening for intake manifold	yes		yes	
Soft start / after-run	yes		yes	
Water level detection	yes		yes	
Antistatic equiped	yes		yes	
Accessory storage	no, optional (Art. no. 445113)		yes	
Technical data				
Power consumption (max.)	Watt	1600	1600	
Volume flow (max.) measured at the motor head	l/s	75	75	
Volume flow (max.) measured at the end of the hose	l/s	45	45	
Vacuum (max.) measured at the motor head	mbar	280	280	
Vacuum (max.) measured at the end of the hose	mbar	245	245	
Container volume (max.) gros-dust-water / container material	l	35/25/22 plastic	35/25/22 plastic	
Sound pressure level	dB(A)	69	69	
Dimensions	L × B × H (*inkl. FB)	53 × 40 × 56 cm	66 × 40 × 92 cm	
Weight	kg	15.6	16.8	
Power cabel length	m	8 (rubber, H05RR-F), red	8 (rubber, H05RR-F), red	
Maximum reach	m	11.0 – 12.0	13.0 – 14.0	

Get your starbox

The boxes are equipped with various accessories.
More information at starmix.de/en/accessories



Fleece filter bag
 FBV 25/35
 5 pcs.

= starbox II FBV 25/35
 art. no. 444451

..... **OR**



PE emptying bag
 FBPE 25/35
 5 pcs.

= starbox II FBPE 25/35
 art. no. 444475

..... **OR**



Filter cassettes
 FKP 4800 M Advanced
 2 pcs.

= starbox II
FKP 4800 M Advanced
 art. no. 444468

★ OPTIONALES ACCESSORIES:

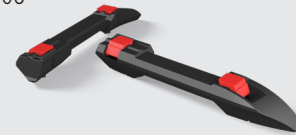
Adapter plate UNIFIX

art. no. 449432
 (see page 14-15)



Rail set (Smartfix)

art. no. 445106



left and right, with fastening material
 (2 × velcro, 4 × spax screws)

Accessory storage

art. no. 445113



Push handle FB 35

art. no. 445137



Nano filter

art. no. 445106
 (see page 70)



The smooth, nano-coated surface and the larger distance between folds enable a higher volume flow over a longer period of time and in turn better filter cleaning.

Especially suited to fine dusts containing fibre.





"iPulse" series

Safety vacuum cleaners M, H and H-asbestos

The specialists for the toughest use with hazardous dusts.



iPulse RELOADED

iPulse M-1635 Safe

Dust retention capacity at least 99.9 % according to dust class „M“

Article no. 018935



iPulse M-1635 Safe Plus

Dust retention capacity at least 99.9 % according to dust class „M“

Article no. 018638



iPulse H-1635 Safe Plus

Dust retention capacity at least 99,995 % according to dust class „H“

Article no. 018614



Included in the scope of delivery		018935		018638		018614	
Accessory set		* See scope of delivery "Safe"		* See scope of delivery "Safe Plus"		* See scope of delivery "Safe Plus"	
Filter bag		3 units special PE emptying bag after-sales art. no. 425764 (5 pcs.)		3 units special PE emptying bag after-sales art. no. 425764 (5 pcs.)		3 units special PE emptying bag after-sales art. no. 425764 (5 pcs.)	
Equipment							
Main filter		FKP 4800 M ADVANCED (polyester) Dust retention capacity: 99.9 % art. no. 459257		FKP 4800 M ADVANCED (polyester) Dust retention capacity: 99.9 % art. no. 459257		FKP 3800 HEPA H14 ADVANCED (Polyester) Dust retention capacity: 99.995 % art. no. 459264	
Impulse filter cleaning		yes – iPulse		yes – iPulse		yes – iPulse	
Smartfix for toolboxes		no, multifunctional element		yes		yes	
Multi-function element		yes, 4x		no		no	
Speed controller		yes, 2-level		yes, 2-level		yes, 2-level	
Appliance socket		yes		yes		yes	
Filter control light		yes		yes		yes	
Push handle		no, optional FB 35, art. no. 445137		yes		yes	
Carring handle with cable hook / hose fixing - plug fixation		yes/yes (1 velcro)		yes/yes (2 pcs. velcro)		yes/yes (2 pcs. velcro)	
Pre-selection switch volume flow / hose ø		yes / 21, 27, 35		yes / 21, 27, 35		yes / 21, 27, 35	
Electric volume flow monitoring with optical + acoustic warning function		yes		yes		yes	
Rotary vane for flexible use of fleece filter bags and PE emptying bags		yes		yes		yes	
Fastening for intake manifold		yes		yes		yes	
Soft start / after-run		yes		yes		yes	
Water level detection		yes		yes		yes	
Antistatic equiped		yes		yes		yes	
Accessory storage		yes		yes		yes	
Technical data							
Power consumption (max.)	Watt	1600		1600		1600	
Volume flow (max.) measured at the end of the hose	l/s	75		75		75	
Volume flow (max.) measured at the end of the hose	l/s	45		45		45	
Vacuum (max.) measured at the motor head	mbar	280		280		280	
Vacuum (max.) measured at the end of the hose	mbar	245		245		245	
Container volume (max.) gros-dust-water / container material	l	35/25/22 plastic		35/25/22 plastic		35/25/22 plastic	
Sound pressure level	dB(A)	69		69		69	
Dimensions	L × B × H (*incl. FB)	53 × 40 × 56 cm		66 × 40 × 92* cm		66 × 40 × 92* cm	
Weight	kg	15.6		16.8		16.8	
Power cabel length	m	8 (rubber, H07RN-F), red		8 (rubber, H07RN-F), red		8 (rubber, H07RN-F), red	
Maximum reach	m	13.0		13.0		13.0	



Warning, fine dust!
Take care of your health.
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iPulse H-1235 Asbest Safe Plus

Dust retention capacity at least 99,995 % according to dust class „H asbestos“

018645



*See scope of delivery "Safe Plus"

3 unit special PE emptying bag (asbestos) after-sales art. no. 425757 (5 pcs.)

FKP 3800 HEPA H14 ADVANCED Polyester) Dust retention capacity: 99.995 % art. no. 459264



yes – iPulse

yes

no

yes, 2-level

yes

yes

yes

yes/yes (2 pcs. velcro)

yes / 21, 27, 35

yes

yes

yes

yes

yes

yes

yes

1200

70

40

265

230

35/25/22

plastic

69

66 × 40 × 92* cm

16.8

8 (rubber, H07RN-F), red

13.0



All information about the new filters on page 87

★ **Scope of delivery:**

Safe Plus

- Smartfix
- 2 pcs. velcro
- Push handle

Safe

- 1 velcro
- **Accessory set EW:***



Equipment

- 1 × Suction hose AS with red supplementary air ring, ø 35 mm × 5 m, art. no. 447162
- 2 × suction tube ES 35-50, stainless steel, ø 35 mm × 50 cm Item no. 424842
- 1 × handle tube stainless steel, stepped, art. no. 421445
- 1 × floor nozzle 30, art. no. 440941
- 1 × connection sleeve, stepped, art. no. 425719
- 1 × crevice nozzle (22cm), art. no. 417011



Equipment

- 1 × Suction hose with red supplementary air ring, ø 35 mm × 5 m, Art.-Nr. 447193
- 2 × suction pipe, plastic, ø 35 mm × 50 cm Item no. 424859
- 1 × handle tube stainless steel, stepped, art. no. 421445
- 1 × floor nozzle 30, art. no. 440941
- 1 × connection sleeve, stepped, art. no. 425719
- 1 × crevice nozzle (22cm), art. no. 417011

★ **Advantages antistatic suction hose:**

- ★ Permanently electrostatically conductive – no static charge (see iPulse Safe Plus vacuum cleaners)
- ★ Non-marking – no stripes on the floor on objects
- ★ Very flexible and resistant to abrasion
- ★ Patented construction and manufacturing processes
- ★ 360° rotatable connection sleeve for tube and bayonet – no twisting

Other accessories from page 83



ISC "Compact": It just makes hard days easier.

On the construction site your full commitment is needed and in the workshop. Great flexibility is demanded. So you need a partner that can follow you everywhere. A powerful professional, mobile and easy to handle. You can't afford any errors, or any dust in the air!



Warning, fine dust!
Take care of your health.
📄 page 10 / 11

ISC "Compact" series

Compact profile for hard dust usage

The powerful classic, designed for use on construction sites with high dust emission:

For vacuuming directly next to power tools. With the ISC, high performance is combined with high flexibility, ergonomics and compact dimensions for optimal usable volume. This makes the ISC the most-sold Starmix vacuum cleaner.

Your colleagues are delighted:

Marc D. (master of electrician) about the ISC:

"The vac is daily required for really hard work. Dust-free working with core drill bit, slit miller etc. is guaranteed at all times – absolutely awesome! The ISC is a powerful and simultaneously compact vacuum cleaner. It's just the right device for my daily workday!"



Timo M. (floor layer) about the ISC:

"The vacuum cleaner is a really clean business for the construction site. With its unlimited suction power, even the most dusty jobs are no longer a problem for me. I don't have to worry about my health anymore – thanks to the ISC Compact. I'm totally convinced by the ISC!"



ISC "Compact" series

Compact dimensions, strong performance

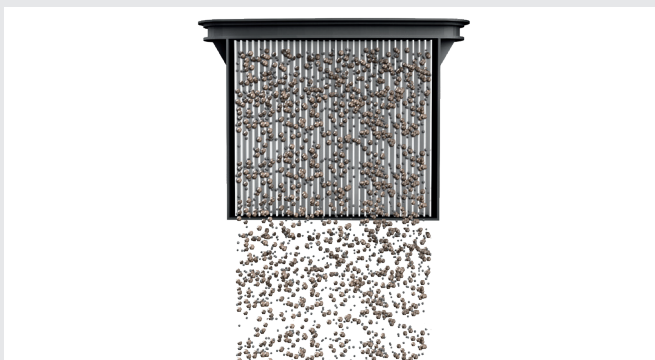
The ISC "Compact" combines high performance and proven quality with clear lines in the housing design and improved ergonomics. The compact shape makes it easier to handle and improves the mobility of the vacuum cleaner.



Away with dust:
filter cleaning during workbreaks
ensures great performance!



★ High efficiency thanks to intelligent technology



Pulse filter cleaning

The automatic pulse filter cleaning cleans the filter during work breaks so well, that you can then continue to vacuum with an unchanged, high airflow.

Thanks to the new ADVANCED class M and HEPA filters, the filters now need to be cleaned 1/3 less often and thus provide full suction power even longer.

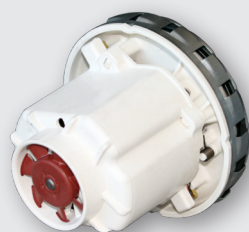


Simple and safe handling

- Compact, rectangular construction: requires little room, light to carry, easy to store.
- Low centre of gravity: very stable and manoeuvrable.
- Robust wheels and castors: very easy and safe to move - even over "hill and dale".
- Bayonet connector: pull-tight connector between pipe and container.
- High filling volume: filters attached parallel to the motor axle require no additional space in the container.

High-performance motor

High-speed motor with 15-20% higher volumetric flow and vacuum than previous motors.




Container that has been proven effective at construction sites

Light but extremely stable double-walled construction (25 l). Smooth interior walls for easy emptying of dust, dirt and liquids. With a new container closure for a dust-free transport.



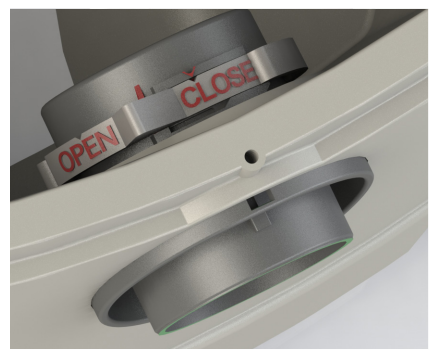
ADVANTAGES AT A GLANCE:

- ✓ Pulse filter cleaning during work breaks
- ✓ Innovative filter technology
- ✓ Top quality "Made in Germany" 
- ✓ Powerful high-performance motor



CRAFT

Safe dust disposal
 The conversion from a fleece filter bag to PE bags requires different air conditions in the container. The new **starmix rotary vane*** provides an optimal dust-filling capacity.
 OPEN = PE emptying bag
 CLOSE = Fleece filter bag



*only 25l containers



ISC "Compact" series

Electric power tool vacuum cleaner (wet/dry)

The compact version for dust application. For vacuuming directly next to power tools during drilling, milling, grinding and sawing work in the workshop or on the construction site.

high dust emission

**ISC L-1625**

The powerful compact version for application with dust in the class "L"

Article no. 018744

**ISC L-1625 Top**

With accessories for cleaning work

Article no. 018577

**ISC L-1650 Top**

The large version with 50l container and push handle

Article no. 018584



Article no.		018744	018577	018584
Included in the scope of delivery				
Accessory set		*EW, art. no. 044705	*EWS, art. no. 072401	*EWS, art. no. 072401
Filter bag		1 unit FBV 25-35 after-sales art. no. 411231 (5 pcs.)	1 unit FBV 25-35 after-sales art. no. 411231 (5 pcs.)	1 unit FBV 45-55 after-sales art. no. 435039 (5 pcs.)
Equipment				
Main filter		FKP 4800 M ADVANCED (polyester) Dust retention capacity: 99.9% art. no. 459257 NEW	FKP 4800 M ADVANCED (polyester) Dust retention capacity: 99.9% art. no. 459257 NEW	FKP 4800 M ADVANCED (polyester) Dust retention capacity: 99.9% art. no. 459257 NEW
Pulse filter cleaning		yes – during work breaks	yes – during work breaks	yes – during work breaks
Appliance socket		yes	yes	yes
Speed controller		yes, stepless	yes, stepless	yes, stepless
Filter control light		yes	yes	yes
Carrying handle with cable hook/ hose fixing - plug fixation		yes/yes, 1 velcro	yes/yes, 1 velcro	yes/yes, 1 velcro
Pre-selection switch volume flow/ hose ø		no	no	no
Signal tone if volume flow is too low		no	no	no
Rotary slider for use of the PE emptying bag		yes	yes	no
Fastener for intake socket		yes	yes	no
Soft start/after-run		yes	yes	yes
Water level detection		yes	yes	yes
Antistatic equipment		yes	yes	yes
Push handle		no	no	yes
Accessory storage		yes	yes	no
Technical data				
Power consumption (max.)	Watt	1600	1600	1600
Volume flow (max.) measured at the motor head	l/s	75	75	75
Volume flow (max.) measured at the end of the hose	l/s	45	45	45
Vacuum (max.) measured at the motor head	mbar	280	280	280
Vacuum (max.) measured at the end of the hose	mbar	245	245	245
Container volume (max.) gross-dust-water	l	25/20/15 plastic	25/20/15 plastic	50/45/40 plastic
Sound pressure level	dB(A)	69	69	69
Dimensions	L x B x H	43 x 39 x 49 cm	45 x 39 x 49 cm	59,5 x 46,5 x 96 cm
Weight	kg	12.2	12.2	18.3
Power cable length	m	8 (rubber, H05RR-F), red	8 (rubber, H05RR-F), red	8 (rubber, H05RR-F), red
Maximum reach	m	13.0	13.0 – 14.0	13.0 – 14.0

ISC "Compact" series

Special vacuum cleaner class M

The specialist for dangerous fine dusts and organic dusts.



All information about the new filters on page 87

Warning, fine dust!
Take care of your health.
page 8/9

ISC M-1625 Safe

Dust retention capacity at least 99.99% according to dust class "M"

Article no.	018591	
Included in the scope of delivery		
Accessory set	* See scope of delivery "Safe"	
Filter bag	3 units special PE emptying bag after-sales art. no. 425764 (5 pcs.)	
Equipment		
Main filter	FKP 4800 M ADVANCED (polyester) Dust retention capacity: 99.9% art. no. 459257	
Pulse filter cleaning	yes – during work breaks	
Appliance socket	yes	
Speed controller	no	
Filter control light	yes	
Carrying handle with cable hook/ hose fixing - plug fixation	yes/yes, 1 velcro	
Pre-selection switch volume flow/ hose ø	yes / 21, 27, 35	
Signal tone if volume flow is too low	yes	
Rotary slider for use of the PE emptying bag	yes	
Fastener for intake socket	yes	
Soft start/after-run	yes	
Water level detection	yes	
Antistatic equipment	yes	
Push handle	no	
Accessory storage	ja	
Technical data		
Power consumption (max.)	Watt	1600
Volume flow (max.) measured at the motor head	l/s	75
Volume flow (max.) measured at the end of the hose	l/s	45
Vacuum (max.) measured at the motor head	mbar	280
Vacuum (max.) measured at the end of the hose	mbar	245
Container volume (max.) gross-dust-water	l	25/20/15 plastic
Sound pressure level	dB(A)	69
Dimensions	L x B x H	45 x 39 x 49 cm
Weight	kg	12.2
Power cable length	m	8 (rubber, H07RN-F), red
Maximum reach	m	13.0

★ Scope of delivery:

Accessory set EW*
(see page 83)



Safe

- 1 velcro



Equipment

- 1 x Suction hose with red air slide, ø 35 mm x 5 m, Art. no. 447193
- 1 x connecting sleeve, stepped, Art. no. 425719
- 1 x floor nozzle 30, part no. 440941
- 2 x suction tube, plastic (50 cm each) Item no. 424859
- 1 x handle tube, stainless steel Item no. 421445
- 1 x crevice nozzle (22cm), art. no. 417011

Top

- 1 velcro
- Accessory set EWS:*



Equipment

- 1 x Suction hose with red air slide, ø 35 mm x 5 m, Art. no. 447193
- 1 x Tube handle, stainless steel with supplementary air slide, Art. no. 421445
- 2 x Suction tubes, stainless steel (each 50 cm), Art. no. 424842
- 1 x Crevice nozzle (22 cm long) Art. no. 417011
- 1 x Connection sleeve, stepped, Art. no. 425719
- 1 x Dust nozzle 37 with hard-floor insert Art. no. 414706

★ Optional accessories:

Adapter plate UNIFIX

Art. no. 449432
(see page 14-15)



Other accessories
from page 83



"uClean": If you have to be flexible.

Your working day is varied and diverse. As an universal professional, you carry out installation work for customers just as reliably as work in the workshop or the cleaning of work surfaces. And with the "uClean" on your side, you are exceptionally flexible. It ensures dust-free air and fun at work thanks to its clever details.



"uClean" series

The versatile version for universal use

The "uClean" is designed to be a highly versatile universal vacuum cleaner for flexible application with low to normal dust formation. Due to its great versatility, it can be used as a power tool vacuum cleaner or a cleaning vacuum cleaner for the workshop, work surfaces and machines. Its comfortable handling is characterised through the unique SmartStop, the blowing function and the best storage system for pipe and accessories.

Your colleagues are delighted:

Wolfgang D. (carpenter) about the uClean:

"The new uClean is small, light and handy. Even perfect for works on the roof truss. Ideal for the cleaning of larger surfaces, corners, joints, but also for smaller jobs with the electric power tool."



Tim K. (renovations) about the uClean:

"With the uClean it is finally possible to store all the accessories on the vacuum cleaner. No wobbliness or falling over any more, and the carry handle is superb. The journey to the building site can sometimes be long and up steps, but this makes it much easier."



"uClean" series

New technology and clever ideas

The "uClean" series is based on the sophisticated starmix technology and quality levels "Made in Germany". The aim was to develop an universal vacuum cleaner that sets new standards in performance, ergonomics, comfort and working pleasure through intelligent details. The result: top performance and an attractive design with many exciting features.



That is the intelligent starmix technology. The uClean is great fun. Pure excitement for diverse professionals!

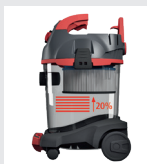
★ Technology for professionals



Up to 20 % more performance: powerful high speed motor
Single-stage quick-running motor with high-speed turbine. Optimal efficiency with significantly higher flow volume and suction than comparable motors with similar wattage. The working life of the carbon brushes is over 800 hours!



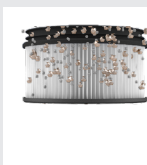
"SmartStop" – 3 in 1
Suitable as a locking brake for stable fixation of the uClean, as a handle for emptying the container and for protecting the chassis from damage as well as for overcoming obstacles.



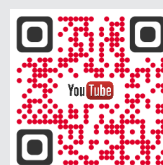
Up to 20 % more usable volume: Optimised container
Impact-resistant, robust container with optimal The gross-to-net ratio. Quick and easy to empty thanks to the smooth interior walls. Very stable with a low centre of gravity, large wheels and castors.



Blowing function with bayonet coupling
The new blowing function with a sensational exhaust power of 215 km/h can be used parallel to vacuuming.



Filter cleaning and appliance socket
Automatic pulse filter cleaning and appliance socket (only ARDL vacs) to connect the electric power tool.
Extremely robust filter cassette



FAQ videos on important topics
The starmix Youtube channel also contains explanatory videos about the uClean devices as well as videos about the other vacuum cleaner series and sanitary products.

Transport walers with accessory storage
Simply clever: all of the standard accessories can be safely stored on the unit.

TOP FEATURE




Best hose winding
It's so easy: wrap twice, lock once, done.

TOP FEATURE



ADVANTAGES AT A GLANCE:

- ✓ Top performance from the high-speed turbine
- ✓ Great variability for diverse professionals
- ✓ Exciting handling due to clever details
- ✓ Top quality "Made in Germany" 
- ✓ Modern, cool design
- ✓ Blowing function with 215 km/h

CRAFT



Further information under
www.starmix.de



Rocker switch: On/off

The I/O switch is easily accessible on the top side of the container. In addition, the switch-on on the vacuum cleaner via the power tool and the vibrating function can be selected.



Changing the cable

The red cable can be changed quickly and easily, simply by loosening the two screws.

"uClean" series

Power tool vacuum cleaner (wet/dry)



The universal version with vibrating function for installation work on the construction site (concrete, stone, cement) and work with power tools in the workshop (wood, paint, lacquer) with non-health endangering dusts. For operation with or without a filter bag.

middle dust emission



uClean ARDL-1420 EHP

with automatic filter cleaning for normal dust development, 20l container

Article no. 020198



uClean ARDL-1432 EHP

with automatic filter cleaning for normal dust development, 32l container

Article no. 016344



★ Scope of delivery:

Accessory set EHP* (see page 83)



★ Optional accessories:

Antistatic suction hose (see from page 95)



- ★ Permanently electrostatically conductive – no static charge
- ★ Non-marking – no stripes on the floor or on objects
- ★ Very flexible and resistant to abrasion
- ★ Patented construction and manufacturing processes
- ★ 360° rotatable connecting sleeve for tube and bayonet – no twisting

Article no.	020198	016344	
Included in the scope of delivery			
Accessory set	*EHP art. no. 016542	*EHP art. no. 016542	
Replacement filter	1 × FSS 1200 (foam material)	1 × FSS 1200 (foam material)	
Filter bag	1 × FBV 20 after-sales art. no. 434827 (5 pcs.)	1 × FBV rd 30-35 after-sales art. no. 442761 (5 pcs.)	
Equipment			
Main filter	FPPR 3600 (polyester) Dust retention capacity: 99,9 % art. no. 413464	FPPR 3600 (polyester) Dust retention capacity: 99,9 % art. no. 413464	
Pulse filter cleaning	yes, during work breaks	yes, during work breaks	
Appliance socket	yes	yes	
Speed controller	stepless	stepless	
Filter control light	yes	yes	
Hose winding and connector fixture	yes	yes	
Park position	yes	yes	
Tilting running gear	no	no	
Gentle start/after-running	yes/yes	yes/yes	
Water level detection	yes	yes	
Antistatically prepared	yes	yes	
Rubber wheels and castors	no	no	
SmartStop	yes	yes	
Accessory storage	yes	yes	
Blowing function	yes	yes	
Push handle	no	no	
Technical data			
Power consumption (max.)	Watt	1400	1400
Volume flow (max.)	l/s	69	69
Vacuum (max.)	mbar	259	259
Container volume (max.)	l	20/16/10	32/28/21
gross - dust - water		plastic	plastic
Sound pressure level	db(A)	72	72
Dimensions	L × B × H	43 × 39 × 55 cm	43 × 39 × 64 cm
Weight	kg	9.3	9.6
Power cable length	m	8 (PVC), red	8 (PVC), red
Reach	m	11.2 – 12.2	11.2 – 12.2

Warning, fine dust!
Take care of your health.
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uClean ARDL-1435 EHP
with automatic filter cleaning for normal dust development, 35l stainless-steel container

017372



uClean ARDL-1445 EHP
with automatic filter cleaning for normal dust development, 45l container

016351



uClean ARDL-1455 EHP KFG
with tilting running gear and large volume 55l stainless-steel container

016375



Article no.		017372	016351	016375
Included in the scope of delivery				
Accessory set		*EHP art. no. 016542	*EHP art. no. 016542	*EHP art. no. 016542
Replacement filter		1 × FSS 1200 (foam material)	1 × FSS 1200 (foam material)	1 × FSS 1200 (foam material)
Filter bag		1 × FBV rd 30-35 after-sales art. no. 442761 (5 pcs.)	1 × FBV 45-55 after-sales art. no. 435039 (5 pcs.)	1 × FBV 45-55 after-sales art. no. 435039 (5 pcs.)
Equipment				
Main filter		FPPR 3600 (polyester) Dust retention capacity: 99,9% art. no. 413464	FPPR 7200 (polyester) Dust retention capacity: 99,9% art. no. 413372	FPPR 7200 (polyester) Dust retention capacity: 99,9% art. no. 413372
Pulse filter cleaning		yes, during work breaks	yes, during work breaks	yes, during work breaks
Appliance socket		yes	yes	yes
Speed controller		stepless	stepless	stepless
Filter control light		yes	yes	yes
Hose winding and connector fixture		yes	yes	yes
Park position		yes	no	no
Tilting running gear		no	no	yes
Gentle start/after-running		yes/yes	yes/yes	yes/yes
Water level detection		yes	yes	yes
Antistatically prepared		yes	no	yes
Rubber wheels and castors		yes	yes	yes
SmartStop		no	no	no
Accessory storage		yes	yes	no
Blowing function		yes	yes	yes
Push handle		no	yes	yes
Technical data				
Power consumption (max.)	Watt	1400	1400	1400
Volume flow (max.)	l/s	69	69	69
Vacuum (max.)	mbar	259	259	259
Container volume (max.)	l	35/30/23	45/40/33	55/50/43
gross - dust - water		stainless steel	plastic	stainless steel
Sound pressure level	db(A)	72	72	72
Dimensions	L × B × H	46 × 44 × 70 cm	47 × 48 × 79 cm	58 × 50,5 × 97,5 cm
Weight	kg	11.1	13.3	20.3
Power cable length	m	8 (PVC), red	8 (PVC), red	8 (PVC), red
Reach	m	11.2 – 12.2	11.2 – 12.2	11.2 – 12.2

NSG "uClean" series

Power tool vacuum cleaner (wet/dry)



The universal version for installation work on the construction site (concrete, stone, cement) and work with electric power tools in the workshop (wood, paint, lacquer) with non-health endangering dusts.

Warning, fine dust!
Take care of your health.
page 10 / 11



uClean ADL-1420 EHP
without filter cleaning for
low/normal dust development,
20l container

Article no. 016306



uClean ADL-1432 EHP
without filter cleaning for low/
normal dust development,
32l container

Article no. 016313



uClean ADL-1445 EHP
without filter cleaning for low/
normal dust development,
45l container

Article no. 016337



Article no.		016306	016313	016337
Included in the scope of delivery				
Accessory set		*EHP art. no. 016542	*EHP art. no. 016542	*EHP art. no. 016542
Replacement filter		1 × FSS 1200 (foam material)	1 × FSS 1200 (foam material)	1 × FSS 1200 (foam material)
Filter bag		1 × FBV 20 after-sales art. no. 434827 (5 pcs.)	1 × FBV rd 30-35 after-sales art. no. 442761 (5 pcs.)	1 × FBV 45-55 after-sales art. no. 435039 (5 pcs.)
Equipment				
Main filter		FPP 3600 (polyester) Dust retention capacity: 99,9 % art. no. 415109	FPP 3600 (polyester) Dust retention capacity: 99,9 % art. no. 415109	FPP 3600 (polyester) Dust retention capacity: 99,9 % art. no. 415109
Pulse filter cleaning		no	no	no
Appliance socket		yes	yes	yes
Speed controller		stepless	stepless	stepless
Filter control light		no	no	no
Hose winding and connector fixture		yes	yes	yes
Park position		yes	yes	no
Tilting running gear		no	no	no
Gentle start/after-running		yes/yes	yes/yes	yes/yes
Water level detection		yes	yes	yes
Antistatically prepared		yes	yes	no
Rubber wheels and castors		no	no	yes
SmartStop		yes	yes	no
Accessory storage		yes	yes	yes
Blowing function		yes	yes	yes
Push handle		no	no	yes
Technical data				
Power consumption (max.)	Watt	1400	1400	1400
Volume flow (max.)	l/s	69	69	69
Vacuum (max.)	mbar	259	259	259
Container volume (max.)	l	20/16/10	32/28/21	45/40/33
gross - dust - water		plastic	plastic	plastic
Sound pressure level	db(A)	72	72	72
Dimensions	L × B × H	43 × 39 × 55 cm	43 × 39 × 64 cm	47 × 48 × 79
Weight	kg	8.5	8.6	12.8
Power cable length	m	8 (PVC), red	8 (PVC), red	8 (PVC), red
Reach	m	11.2 – 12.2	11.2 – 12.2	11.2 – 12.2

eCRAFT: For your fast missions

"Make it quick..." That sounds familiar to you? Quickly drill a hole, saw off the lath, suck up the dirt or water from the construction site. It must be done quickly - no time to waste. Take out the vacuum cleaner, connect it, get started. That's it.



„eCRAFT“ Series

Pragmatic, practical, good

Compact, agile and robust. Perfect for quick use at home in the hobby room or in the workshop and on the construction site. This is exactly what the new, powerful all-purpose vacuum cleaner series was developed for. Application-oriented accessories and well thought-out detail solutions make the new starmix all-purpose vacuum cleaner the helpful allrounder - wherever cleanliness is required.



For the fast applications exactly the right one!



★ Practical equipment



Socket with automatic switch-on

The appliance socket with automatic switch-on makes the use even more comfortable. In this case, the vacuum cleaner only runs as long as the plugged in appliance is active.



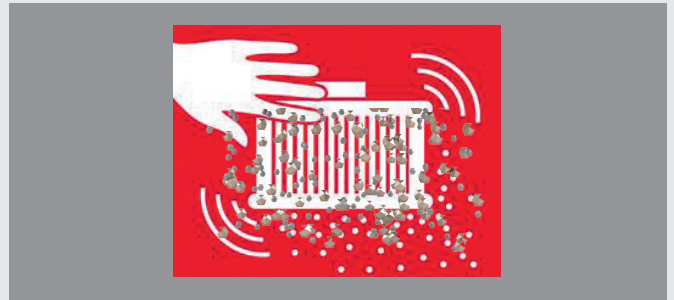
Wide range of applications

Extensive accessories with floor nozzle, crevice nozzle, handle and co., make the eCRAFT usable for all applications, whether for wet or dry vacuuming.



More security

The integrated hose rewind and the red power cord, which can be safely stored on the container, offer additional trip protection.



Press Clean

The filter is cleaned manually via PressClean. Simply hold the handle tube closed by hand or place it on the recess on the suction head, press the button 5 times and the filter is cleaned by means of a strong air stream.

Accessories depot on the traverse

All models have an accessory depot for storing all accessories during work and transport.



Optimized design

Suction hose connection in the suction head ensures larger net volume and easy emptying.

The low center of gravity of the container provides perfect stability.



„eCRAFT“ Series

All-purpose vacuum cleaner (wet / dry)

The power tool vacuum cleaners with basic wet/dry equipment for quick use in the hobby, in the workshop and on the construction site..





low dust emission



eCRAFT APL-1422 EWR
All-purpose vacuum cleaner with socket for the power tool

eCRAFT APL-1430 EWR
All-purpose vacuum cleaner with socket for the power tool

Article no.	102573		102580	
Included in the scope of delivery				
Zubehör	* see scope of delivery		* see scope of delivery	
Additional filter	no		no	
Filter bag	1 x FBV 22 Replacement Art. no. 454870 (5 pieces)		1 x FBV 30 Replacement Art. no. 455105 (5 pieces)	
Equipment				
Main filter	Folded Filter Cartridge FPP 3400 Dust retention capacity: 99.9 % Art. No. 454856		Folded filter cartridge FPP 3400 Dust retention capacity: 99.9 % Art. no. 454856	
Filter cleaning	yes, PressClean		yes, PressClean	
Appliance socket	yes		yes	
Speed controller	no		no	
Hose winding	yes		yes	
Parking position	yes		no	
Gentle start/after-running	yes		yes	
Water level detection	yes		yes	
Noise insulated	no		no	
Antistatically prepared	yes		yes	
Rubber wheels and castors	no		no	
Accessory storage	yes		yes	
Technical data				
Power consumption (max.)	Watt	1400	1400	
Volume flow (max.)	l/s	71	71	
Vacuum (max.) measured at the motor head	mbar	255	255	
Container volume (max.) gross - dust - water	l	22/16/14 plastic	27/25/22 stainless steel	
Sound pressure level	db(A)	72	70	
Dimensions	L x B x H	38 x 37 x 50,5 cm	38 x 37 x 64 cm	
Weight	kg	6,8	7,6	
Power cable length	m	6 (PVC), red	6 (PVC), red	
Reach	m	8,5 – 9,5	8 – 9,5	

★ **Scope of delivery:**

Accessories eCRAFT APL-1422 / APL-1430*
(s. Seite 90)



- 1 x suction hose 2.5 m, ergonomic tube handle, plastic, art.-no. 454771 & 454849
- 2 x suction tube steel chrome plated (each 50,5cm) art.-no. 454825
- 1 x floor nozzle with bristles and Rubber strips
- 1 x crevice nozzle 22,5
- 1 x tool sleeve, art.-no.454818

QUADRIX

The cordless vacuum cleaner for just a quick moment

You know what it's like – especially with the assembly: a quick job here, a quick job there. Over the head, into confined spaces – you have to be quick and mobile. And more than ever, you don't have the time to haul things around or to look for sockets all the time. That's why our QUADRIX L 18V is lightweight, compact and cordless. And if the job takes a bit longer, the appliance just keeps going. The ideal secondary appliance. That way you really can get some work done.



★ **Technology for professionals**



PressClean

The QUADRIX L 18V has the manual filter cleaning system PressClean. By operating a switch and locking the hose, the filter is cleaned using a powerful flow of air during work breaks.



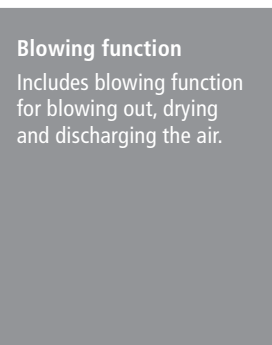
Battery packs

Lithium-ion batteries with 3 years warranty. Each battery pack has a charge indicator. This makes it easy to see how much power is still available.



Accessories

The full range of accessories are stored in the storage compartments in the vacuum cleaner so they don't take up much space.



Blowing function

Includes blowing function for blowing out, drying and discharging the air.



QUADRIX

The specialist for mobile use

Includes manual filter cleaning PressClean and efficient Eco mode for an extended operating time per battery charge.



Wireless freedom – a dream comes true!

QUADRIX L 18V
Commercial cordless vacuum cleaner
(without battery pack/charger)

Article no.	102917		
Additional filter	–		
Filter bag	1 × FBV 7,5; art. no. 448794 (5 pcs.)		
Equipment			
Main filter	FF 3800 art. no. 448800		
Manual filter cleaning	yes (PressClean)		
Power regulation	2-level (Eco/Boost)		
Blowing function	yes		
Capacity indicator battery	yes		
Hose and accessories storage (incl. battery / charger)	yes, completely stowable in the vac (battery/charger not included in delivery)		
Technical data			
Voltage	Volt	18	
Volume flow (max.)	l/s	35	
Vacuum (max.)	mbar	120	
Container volume (max.) gross - dust	l	7,5/5,5	
Dimensions	L × B × H	39 × 29,3 × 35,7 cm	
Weight (without equipment/battery)	kg	6,2	
Battery	Lithium ion battery pack (18V 5.2 Ah)		
Running time	Eco mode: approx. 25 min.		
Running time at 18V 5.2 Ah (circa)	Boost mode: approx. 15 min.		
Charging time	approx. 104 min.		

QUADRIX L 18V without battery pack/charger*



Equipment

- 1 × Suction hose 27-300 (f. QUADRIX), ø 32 mm × 3 m, art. no. 448787 with connection sleeve, Ø 27 mm × 3 m crevice nozzle, suction nozzle, strap
- 1 × Fleece filter bag FBV 7,5, art. no. 448794
- 1 × Folded filter FF 3800, art. no. 448800



The right equipment for any dirt.

Inside or outside. At home or in the workplace. For wet or dry vacuuming. For large areas or tight corners. For fine dust or coarse dirt. Or even a rusty boiler. No matter what is the order of the day, starmix cleaning equipment make cleaning easy and thorough.



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The vacuum cleaner for a wide range of wet-dry cleaning.

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The wet-dry vacuum cleaner for large areas.

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Patented, efficient disc brush technology.

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Decision support

	Series/products	Application areas							
		Hotel and office cleaning	House and home	Garage / Workshop / Hobby	Outside area / coarse dirt	Cleaning large areas and buildings	Operational and machine cleaning	Wet-dry cleaning	
	uClean								
	uClean 1420 HK		●	●				●	
	uClean 1432 HK		●	●				●	
	uClean 1432 ST			●	●		●	●	
	uClean LD-1420 HMT	●	●			●		●	
	uClean LD-1432 HMT	●	●			●		●	
	uClean LD-1435 PZ					●	●	●	
	uClean LD-1445 PZ					●	●	●	
	uClean LD-1422 HZ plus		●					●	
	uClean LD-1432 Wet 	●	●			●		●	
uClean LD-1445 Wet 					●	●	●		
	eCRAFT								
	eCRAFT L 1422		●	●				●	
	eCRAFT PL 1422		●	●				●	
	GS								
	GS 2450 Oil & Metal						●	●	
	GS H-1150 ATEX Zone 22						●		
	GS 2078 PZ					●	●	●	
GS 3078 PZ					●	●	●		
	Special vacuum cleaners 								
	uClean PA-1455 KFG FW							●	
	uClean PA-1455 KFG							●	
* for large volumes of liquid									
	TS								
	TS 714 RTS HEPA	●	●						

Features and technical data

	Rubber wheels and castors	Noise insulated	Water level detection	Speed controller	Antistatically prepared	Accessory compartment	Brake (y/n)	Max. Power consumption/Watts	Vacuum (mbar, measured at the motor head)	Volume flow (l/s, measured at the motor head)	Max. Container volume/litres	Weight/kg	Reach (including cable and pipe)	Hose length and diameter	Sound volume dB (A)	Filter surface area cm ²	Page
	n	n	y	n	n	y	n	1400	259	69	20	7.8	9.75–10.75	1,75m / 35mm	72.5	3600	52
	n	n	y	n	n	y	n	1400	259	69	32	8.1	9.75–10.75	1,75m / 35mm	72.5	3600	52
	n	n	y	n	n	y	n	1400	259	69	32	8.1	9.75–10.75	1,75m / 49mm	72.5	3600	53
	y	y	y	2-level	n	y	y	1400	259	69	20	8.0	15.2–16.2	3,2m / 35mm	68.5	3600	54
	y	y	y	2-level	n	y	y	1400	259	69	32	8.3	15.2–16.2	3,2m / 35mm	68.5	3600	54
	y	y	y	2-level	n	y	y	1400	259	69	35	9.9	15.2–16.2	3,2m / 35mm	68.5	3600	55
	y	y	y	2-level	n	y	y	1400	259	69	45	12.6	15.2–16.2	3,2m / 35mm	68.5	3600	55
	y	y	y	2-level	n	y	y	1400	259	69	22	9.6	15.2–16.2	3,2m / 35mm	69.5	3600	55
	j	j	j	2-level	n	j	j	1400	259	69	32	8,3	15,2–16,2	3,2m / 32mm	68,5	3600	57
	j	j	j	2-level	n	j	n	1400	259	69	45	12,6	15,2–16,2	3,2m / 32mm	68,5	3600	57
	n	n	j	n	n	j	n	1400	255	71	22	6,2	7,9–8,9	1,9m / 35mm	72	3600	58
	n	n	j	n	n	j	n	1400	255	71	22	6,2	8,5–9,5	2,5m / 35mm	72	3600	58
	n	n	j	n	n	j	j	2400	205	2 x 54	50	37	11,5	3,2m / 35mm	77	5000	62
	n	n	n	n	j	j	j	1100	248	50	50	37,5	11,5-12,5	3,2m / 35mm	72	8500	64
	n	n	y	n	y	n	n	2400	205	108	78	23.5	11.7–12.7	3,5m / 40mm	77		61
	n	n	y	n	y	n	n	3600	205	162	78	26.0	11.7–12.7	3,5m / 40mm	79		61
	n	n	y	2-level	y	n	y	2200	248	61	55	22.0	18.0–50.0	2x 5m / 35mm	73	3600	67
	n	n	y	2-level	y	n	y	2200	248	61	55	20.3	18.0–50.0	5 & 10m / 35mm	73	3600	67
	y	y	n	Eco mode	n	y	n	700	210	42	14	4.9	13.0	2,5m / 32mm	73		68

"uClean": For all those who work professionally.

This is the vacuum cleaner for all those who want professional cleanliness under the widest range of conditions. The "uClean" ensures this in the car, in the workshop, all round machinery, on the building site or wherever cleaning jobs arise in the wet and dry area. It is the ideal partner for professionals who want to be prepared for everything.



"uClean" series

As versatile and individual as life

The "uClean" is designed to be a highly powerful and versatile universal vacuum cleaner for a large number of applications. Due to its great versatility, it can be used as a vacuum cleaner for buildings, large areas, coarse dirt and also machines. Its comfortable handling is particularly characterised through the unique SmartStop, the blowing function and the best storage system for accessories.

Uwe S. about the uClean:

"It's absolutely fantastic how much suction power this appliance has. Even damp, stubborn dirt in my light well was no problem at all for the uClean with coarse dirt accessories. In future I will only use starmix, I wouldn't have managed that with my other vacuum cleaner!"



Stefan A. about the uClean:

"Spilled drilling emulsion? No problem with this wet and dry vacuum cleaner. Also blowing dirt out of joints works excellent when using the blowing function. The uClean ensures a totally clean work area for the next day."



"uClean" series

Reliable technology and clever details

The "uClean" series is based on the sophisticated starmix technology and quality level "Made in Germany". The aim was to develop a universal vacuum cleaner that sets new standards in performance, ergonomics, comfort and working pleasure through intelligent details. The result: top performance and an ergonomic, attractive design with many exciting features.



That is the intelligent starmix technology. The new version is great fun. Pure delight for professionals!

★ Power technology for professionals



Up to 20% more performance: powerful high speed motor

Single-stage quick-running motor with new high-speed turbine. Optimal efficiency with significantly higher flow volume and suction than comparable motors with similar wattage. The working life of the carbon brushes is over 800 hours!



Blowing function with bayonet coupling

The new blowing function with a sensational exhaust power of 215 km/h can even be used parallel to vacuuming. Just insert a starmix suction hose (only intermateable hoses) into the bayonet coupling, lock it in and away you go.



Up to 20% more usable volume: Optimised container

Impact-resistant, robust container with optimal The gross-to-net ratio. Quick and easy to empty thanks to the smooth interior walls. Very stable with a low centre of gravity, large wheels and castors.



"SmartStop" – 3 in 1*

Suitable as a locking brake for stable fixation of the uClean, as a handle for emptying the container and for protecting the chassis from damage as well as for overcoming obstacles.

*only on marked appliances



The most important information always at hand:

Using the QR codes on the uClean sticker, you can call up suitable accessories or our FAQ videos for the uClean with your smartphone in no time at all.

Stable all round

- Bigger wheels (130 mm) for perfect easy rolling. Rubberised wheels for quiet and scratch-free work (only LD)

- with optimised wheeled crossbeam.



ECO switch / rocker switch ON / OFF

The I/O switch is easily accessible on the top side of the container. The LD appliances also feature a power-saving function (ECO mode).



ADVANTAGES AT A GLANCE:

- ✓ Top performance from the high-speed turbine
- ✓ Great variability for diverse professionals
- ✓ Impressive handling due to clever details
- ✓ Top quality "Made in Germany" 
- ✓ New, cool design
- ✓ Blowing function with 215 km/h



CLEANING



FAQ Videos

TOP FEATURE



Accessory storage
Simply clever:
All of the standard
accessories can be safely
stored on the container.

TOP FEATURE



Best hose winding
It's so easy: wrap twice,
lock once, done.

"uClean" series

Vacuum cleaner (wet/dry)



The universal cleaners with **basic equipment** for wet and dry cleaning of buildings (garage, commerce, household) and workshop and for coarse dirt applications.



uClean 1420 HK
The lightweight vacuum cleaner (wet-dry) with 20l container

uClean 1432 HK
The lightweight vacuum cleaner (wet-dry) with 32l container

Article no.	016221	016238	
Included in the scope of delivery			
Accessory set	*HK art. no. 044101	*HK art. no. 044101	
Replacement filter	1 × FSS 1200 (foam material)	1 × FSS 1200 (foam material)	
Filter bag	1 × FBV 20 after-sales art. no. 434827 (5 pcs.)	1 × FBV rd 30–35 after-sales art. no. 442761 (5 pcs.)	
Equipment			
Main filter	FP 3600 (cellulose) Dust retention capacity: 99,8 % art. no. 411729	FP 3600 (cellulose) Dust retention capacity: 99,8 % art. no. 411729	
Pulse filter cleaning	no	no	
Appliance socket	no	no	
Speed controller	no	no	
Hose winding and connector fixture	yes	yes	
Park position	yes	yes	
Gentle start/after-running	no	no	
Water level detection	yes	yes	
Antistatically prepared	no	no	
Noise reduction	no	no	
Push handle	no	no	
Rubber wheels and castors	no	no	
SmartStop	no	no	
Accessory storage	yes	yes	
Blowing function	yes	yes	
Technical data			
Power consumption (max.)	Watt	1400	1400
Volume flow (max.)	l/s	69	69
Vacuum (max.)	mbar	259	259
Container volume (max.) gross-dust-water	l	20/16/10 plastic	32/28/21 plastic
Sound pressure level	dB(A)	72.5	72.5
Dimensions	L × B × H	39.5 × 39 × 55 cm	39.5 × 39 × 64 cm
Weight	kg	7.8	8.1
Power cable length	m	8 (PVC), red	8 (PVC), red
Reach	m	9.75 – 10.75	9.75 – 10.75
Application areas		– House and home – Garage / workshop / hobby	– House and home – Garage / workshop / hobby



uClean 1432 ST
The coarse dirt vacuum cleaner (wet-dry) with 32l container

Article no.	016245	
Included in the scope of delivery		
Accessory set	*ST art. no. 044309	
Replacement filter	1 × FSS 1200 (foam material)	
Filter bag	1 × FBV rd 30-35 after-sales art. no. 442761 (5 pcs.)	
Equipment		
Main filter	FP 3600 (cellulose) Dust retention capacity: 99,8% art. no. 411729	
Pulse filter cleaning	no	
Appliance socket	no	
Speed controller	no	
Hose winding and connector fixture	yes	
Park position	yes	
Gentle start/after-running	no	
Water level detection	yes	
Antistatically prepared	no	
Noise reduction	no	
Push handle	no	
Rubber wheels and castors	no	
SmartStop	no	
Accessory storage	yes	
Blowing function	yes	
Technical data		
Power consumption (max.)	Watt	1400
Volume flow (max.)	l/s	69
Vacuum (max.)	mbar	259
Container volume (max.) gross-dust-water	l	32/28/21 plastic
Sound pressure level	dB(A)	72.5
Dimensions	L × B × H	39.5 × 39 × 64 cm
Weight	kg	8.1
Power cable length	m	8 (PVC), red
Reach	m	9.75 – 10.75
Application areas	– Outside area / coarse dirt – Operational and machine cleaning – Garage / workshop/hobby	

★ **Scope of delivery:**

Accessory set HK house/hobby*
(see Page 83)



Accessory set ST Standard 49 mm (coarse dirt)*
(see Page 83)



Other accessories from page 84

"uClean" series

Vacuum cleaner (wet/dry)



The universal cleaners with **professional equipment** for demanding cleaning of buildings (office, commerce, industry, household), large areas/halls, machinery and especially boilers. The appliances are distinguished by an additional noise insulation feature and an ability to select eco mode.



uClean LD-1420 HMT
The lightweight vacuum cleaner (wet-dry) with 20l container and large reach

uClean LD-1432 HMT
The lightweight vacuum cleaner (wet-dry) with 32l container and large reach

★ **Scope of delivery:**

Accessory set HMT Household*
(see page 83)



Accessory set PZ Professional accessories*
(see page 84)



Accessory set HZ Plus*
(from page 84)



Other accessories from page 85

Article no.	016269	016276	
Included in the scope of delivery			
Accessory set	*HMT art. no. 003009	*HMT art. no. 003009	
Replacement filter	1 × FSS 1200 (foam material)	1 × FSS 1200 (foam material)	
Filter bag	1 × FBV 20 after-sales art. no. 434827 (5 pcs.)	1 × FBV rd 30–35 after-sales art. no. 442761 (5 pcs.)	
Equipment			
Main filter	FPP 3600 (polyester) Dust retention capacity: 99,9% art. no. 415109	FPP 3600 (polyester) Dust retention capacity: 99,9% art. no. 415109	
Pulse filter cleaning	no	no	
Appliance socket	no	no	
Speed controller	2-level with eco mode	2-level with eco mode	
Hose winding and connector fixture	yes	yes	
Park position	yes	yes	
Gentle start/after-running	yes/no	yes/no	
Water level detection	yes	yes	
Antistatically prepared	no	no	
Noise reduction	yes	yes	
Push handle	no	no	
Rubber wheels and castors	yes	yes	
SmartStop	yes	yes	
Accessory storage	yes	yes	
Blowing function	yes	yes	
Technical data			
Power consumption (max.)	Watt	1400	1400
Volume flow (max.)	l/s	69	69
Vacuum (max.)	mbar	259	259
Container volume (max.) gross-dust-water	l	20/16/10 plastic	32/28/21 plastic
Sound pressure level	dB(A)	68.5	68.5
Dimensions	L × B × H	43 × 39 × 55 cm	43 × 39 × 64 cm
Weight	kg	8.0	8.3
Power cable length	m	12 (PVC), red	12 (PVC), red
Reach	m	15.2 – 16.2	15.2 – 16.2
Application areas		– Hotel and office – House and home – Cleaning large areas / buildings	– Hotel and office – House and home – Cleaning large areas / buildings



uClean LD-1435 PZ
The vacuum cleaner (wet-dry) for cleaning buildings, large areas and machinery, 35l container



uClean LD-1445 PZ
The vacuum cleaner (wet-dry) for cleaning buildings, large areas and machinery, 45l container



uClean LD-1422 HZ plus
The vacuum cleaner (wet-dry) especially for heating boilers

Article no.	017389	016283	016399
Included in the scope of delivery			
Accessory set	*PZ art. no. 003108	*PZ art. no. 003108	*HZ Plus, only individual parts can be ordered
Replacement filter	1 × FSS 1200 (foam material)	1 × FSS 1200 (foam material)	–
Filter bag	1 × FBV rd 30–35 after-sales art. no. 442761 (5 pcs.)	1 × FBV 45–55 after-sales art. no. 435039 (5 pcs.)	1 × FBV 20 after-sales art. no. 434827 (5 pcs.)
Equipment			
Main filter	FPP 3600 (polyester) Dust retention capacity: 99,9% art. no. 415109	FPP 3600 (polyester) Dust retention capacity: 99,9% art. no. 415109	FPP 3600 (polyester) Dust retention capacity: 99,9% art. no. 415109
Pulse filter cleaning	no	no	no
Appliance socket	no	no	no
Speed controller	2-level with eco mode	2-level with eco mode	2-level with eco mode
Hose winding and connector fixture	yes	yes	yes
Park position	yes	no	yes
Gentle start/after-running	yes/no	yes/no	yes/no
Water level detection	yes	yes	yes
Antistatically prepared	no	no	no
Noise reduction	yes	yes	yes
Push handle	no	yes	no
Rubber wheels and castors	yes	yes	yes
SmartStop	no	no	no
Accessory storage	yes	yes	yes
Blowing function	yes	yes	yes
Technical data			
Power consumption (max.)	Watt	1400	1400
Volume flow (max.)	l/s	69	69
Vacuum (max.)	mbar	259	259
Container volume (max.) gross-dust-water	l	35/30/23 stainless steel	22/17/10 plastic
Sound pressure level	dB(A)	68.5	69.5
Dimensions	L × B × H	46 × 44 × 70 cm	46 × 44 × 57 cm
Weight	kg	9.9	9.6
Power cable length	m	12 (PVC), red	12 (PVC), red
Reach	m	15.2 – 16.2	15.2 – 16.2
Application areas		– Cleaning large areas / buildings – Industrial and machine cleaning	– House and home

uClean Wet Series

The specialists for liquids

Top equipped, highly absorbent and perfectly adapted to vacuuming water and liquids - these are the uClean Wet vacuum cleaners. Accessories such as the floor nozzle with rubber lip and the suction hose with ergonomic handle make the vacuum cleaners perfectly suited for vacuuming water. By purchasing a cartridge filter, dry vacuuming is also possible.



★ Great Features



Storage of accessories

Drain handle, brake and ramp in one (LD-1432 Wet only). Chassis with large rubberized steering wheels and rollers.



Best hose rewind on the market

Our hose rewind is as simple as it is ingenious: Twice wrap, snap in once, done. The hose is quickly and securely stowed away and can be transported comfortably.

SmartStop
Entleergriff, Bremse und Rampe in einem (nur LD-1432 Wet). Fahrwerk mit großen gummierten Lenkrädern und Rollen.



Comfortable drain hose

(uClean LD-1445 Wet)
The standard drain hose allows the dirt to be drained off easily and completely.



uClean Wet

The vacuum cleaner especially for the suction of water and liquids

The wet-cleaning vacuum cleaner for the fast and effective Suction of different liquids.



With this one everything is cut and dried!

uClean LD-1432 Wet

Especially for vacuuming liquids, 32 l container

uClean LD-1445 Wet

Especially for vacuuming liquids, 32 l container

Article no.	100043	100050
Included in the scope of delivery		
Accessory set	* see accessories uClean Wet	* see accessories uClean Wet
Filter bag	no	no
Equipment		
Main filter	FSS 1300 (foam) wetfilter Art.-No. 453415	FSS 1300 (foam) wetfilter Art.-No. 453415
Pulse filter cleaning	no	no
Appliance socket	no	no
Speed controller	2-step with eco mode	2-step with eco mode
Hose winding and connector fixture	yes	yes
Park position	yes	no
Gentle start/after-running	yes/no	yes/no
Water level detection	yes	yes
Antistatically prepared	no	no
Noise reduction	yes	yes
Push handle	no	yes
Rubber wheels and castors	yes	yes
SmartStop	yes	no
Accessory storage	yes	yes
Blowing function	yes	yes
Drain hose	no	yes
Technical data		
Power consumption (max.)	Watt	1400
Volume flow (max.)	l/s	69
Vacuum (max.)	mbar	259
Container volume (max.)	l	32/28/21
gross-dust-water		plastic
Sound pressure level	dB(A)	68,5
Dimensions	L x B x H	43 x 39 x 64 cm
Weight	kg	8,3
Power cable length	m	12 (PVC), red
Reach	m	15,2 – 16,2
Application areas		– Maintenance – Plumber, gardener, sauna / pool maintenance – Caretaker service

★ **Scope of delivery:**

Accessoires uClean wet*
(see from page 84)



ACCESSORIES:

- 1 x suction hose 3,2m, ergonomic handle and supplementary air slide, art. no 453408
- 2 x suction tube, stainless steel (50cm each), art. no. 424842
- 1 x water nozzle 37, art. no. 414713
- 1 x crevice nozzle 37, art. no. 417028
- 1 x wet filter (foam) FSS 1300, art no. 453415

„eCRAFT“ series

Pragmatic, practical, good

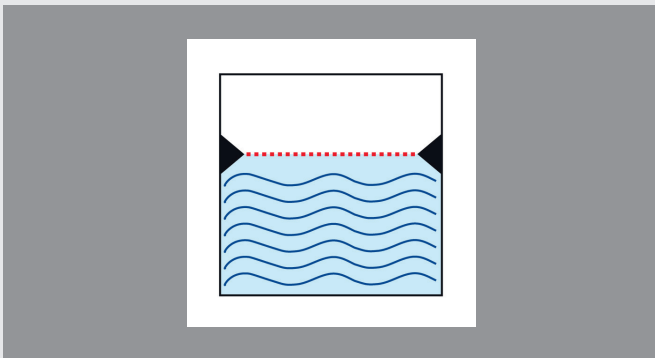
Compact, agile and robust. Perfect as a cleaning vacuum cleaner for quick use at home, in the hobby cellar or in the workshop. This is exactly what the powerful all-purpose vacuum cleaner series was developed for. Application-oriented accessories and well thought-out detailed solutions make the new starmix All-purpose vacuum cleaner to a helpful all-rounder - everywhere where cleanliness is required is in demand.



eCRAFT

Designed and Engineered in Germany

★ Practical features



Water level detection

The water level is detected by a float. As soon as the maximum filling volume is reached, no further liquids can be sucked in automatically.



Intelligent hose rewind

Light, compact and agile - easy to transport and stable to drive. The top of the container offers space for storing tools and small parts. Suction hose and cable are safely stowed away with a practical elastic band.

Accessories depot

All models have an accessory depot for storing all accessories during work and transport.



Optimized design

Suction hose connection in the suction head ensures larger net volume and easy emptying.

The low center of gravity of the container provides perfect stability.



"eCRAFT" series

All-purpose vacuum cleaner (wet/dry)

The all-rounder for hobby, workshop and garage.
The eCRAFT is the optimal model for beginners with extensive accessories and top value for money.



eCRAFT L 1422 HKR
For wet-dry cleaning work
22l-container

eCRAFT PL 1422 EWR
For wet-dry vacuuming, with filter
cleaning, 22l container

For quick use
it is just the right
thing!



Article no.	103143	102566	
Included in the scope of delivery			
Accessories	*see scope of delivery		
Replacement filter	no	no	
Filter bag	1 x FBV 22 Replacement part no. 454870 (5 pieces)	1 x FBV rd 30-35 Repurchase item no. 442761 (5 pieces)	
Equipment			
Main filter	Folded filter cartridge FPP 3400 Dust retention capacity: 99.9% Art. no. 454856	Folded filter cartridge FPP 3400 Dust retention capacity: 99.9% Art. no. 454856	
Filter cleaning	no	yes, PressClean	
Appliance socket	no	yes	
Speed controller	no	no	
Hose winding / connector fixture	yes	yes	
Gentle start/after-running	no	no	
Water level detection	yes	yes	
Antistatically prepared	no	no	
Park position for floor nozzle	yes	yes	
Accessory storage	yes	yes	
Technical data			
Power consumption (max.)	Watt	1400	1400
Volume flow (max.)	l/s	71	71
Vacuum (max.)	mbar	255	255
Container volume (max.) gross-dust	l	22/16/14 - plastics	22/16/14 - plastics
Sound pressure level	dB(A)	72	72
Dimensions	L x B x H	38 x 37 x 50,5 cm	38 x 37 x 50,5 cm
Weight	kg	6,3	6,3
Power cable length	m	6 (PVC), red	6 (PVC), red
Reach	m	7,9 - 8,9	8,5 - 9,5

★ Scope of delivery:

**Accessory eCRAFT L 1422
HKR***
(see page 91)



- 1 x suction hose 1,9m, ergonomic tube handle, plastic, art. no. 454849
- 2 x suction tube plastic (50,5cm each)
- 1 x floor nozzle with bristles and Rubber strips
- 1 x crevice nozzle 22,5

**Accessory eCRAFT PL 1422
EWR***
(see page 91)

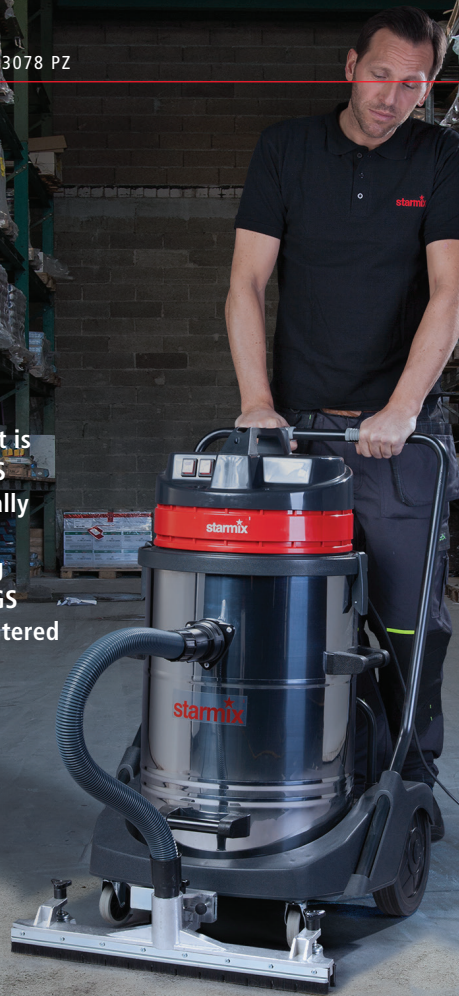


- 1 x suction hose 2,5m, ergonomic tube handle, plastic, art. no. 454771 & 454849
- 2 x suction tube, steel chromed (50, 5cm each) art. no. 454825
- 1 x floor nozzle with bristles and Rubber strips
- 1 x crevice nozzle 22,5

GS series

The power packages for tough jobs

Robust, durable and the highest power level: that is what distinguishes the vacuum cleaners in the GS series. These vacuum cleaners, developed especially for cleaning large areas and machinery, feature particularly large containers and tailored running gear. Combined with special accessory sets, the GS vacuum cleaner overcomes any challenge encountered during everyday work.



★ Power technology for professionals



Motors

Powerful bypass motors with outputs of 2,400 to 3,600 Watts. The vacuum cleaner models have 2 or 3 motors! More flow volume is generated, thus achieving even better suction power.



Tilting running gear

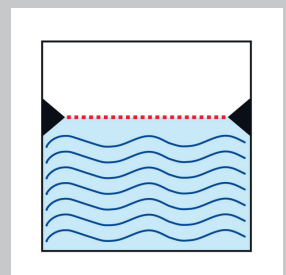
The vacuum cleaners in the GS series are equipped with tilting running gear and a comfortable push handle. A genuine help for demanding cleaning.

Water filter WF 3200
Ideal for use with water sucking. Holds back coarse dirt.



Water stop

Pneumatic water level detection. As soon as the maximum level is reached during wet vacuuming, the suction power is interrupted.





GS series

Vacuum cleaners for cleaning large areas and machinery

The special vacuum cleaners for demanding wet and dry cleaning of large areas, halls and machinery.



Nothing is going to stop me any more!

GS 2078 PZ

The special vacuum cleaner (wet-dry) with steel container and 2 motors

Article no. 004020

GS 3078 PZ

The special vacuum cleaner (wet-dry) with steel container and 3 motors

Article no. 003924

Article no.		004020	003924
Included in the scope of delivery			
Accessory set		* PZ, art. no. 003108	* PZ, art. no. 003108
Replacement filter		1 × polyester filter bag FSP 3100 after-sales art. no. 413501	1 × polyester filter bag FSP 3100 after-sales art. no. 413501
Paper filter bag		1 × FB 78, art. no. 413044 (5 pcs.)	1 × FB 78, art. no. 413044 (5 pcs.)
Equipment			
Main filter		FPP 3200 (polyester) Dust retention capacity: 99,8% art. no. 413525	FPP 3200 (polyester) Dust retention capacity: 99,8% art. no. 413525
Pulse filter cleaning		no	no
Speed controller		no	no
Appliance socket		no	no
Noise reduction		no	no
Carry handle with cable hook		yes/no	yes/no
Tilting running gear		yes	yes
Gentle start/after-running		no	no
Water level detection		yes	yes
Antistatically prepared		no	no
Accessory storage		no	no
Technical data			
Power consumption (max.)	Watt	2400	3600
Volume flow (max.)	l/s	2 × 54 = 108 (2 motors)	3 × 54 = 162 (3 motors)
Vacuum (max.)	mbar	205	205
Container volume (max.)	l	78/57/50	78/57/50
gross-dust-water		steel	steel
Sound pressure level	dB(A)	77	79
Dimensions	L × B × H	61.5 × 63 × 97 cm	61.5 × 63 × 97 cm
Weight	kg	23.5	26.0
Power cable length	m	8,5 (PVC)	8.5 (PVC)
Reach	m	11.7 – 12.7	11.7 – 12.7

★ Scope of delivery:

Accessory set PZ
Professional accessories*
(see page 84)



★ Optional accessories:

FS 2078/3078
(see page 84)



Water filter WF 3200
(see page 89)

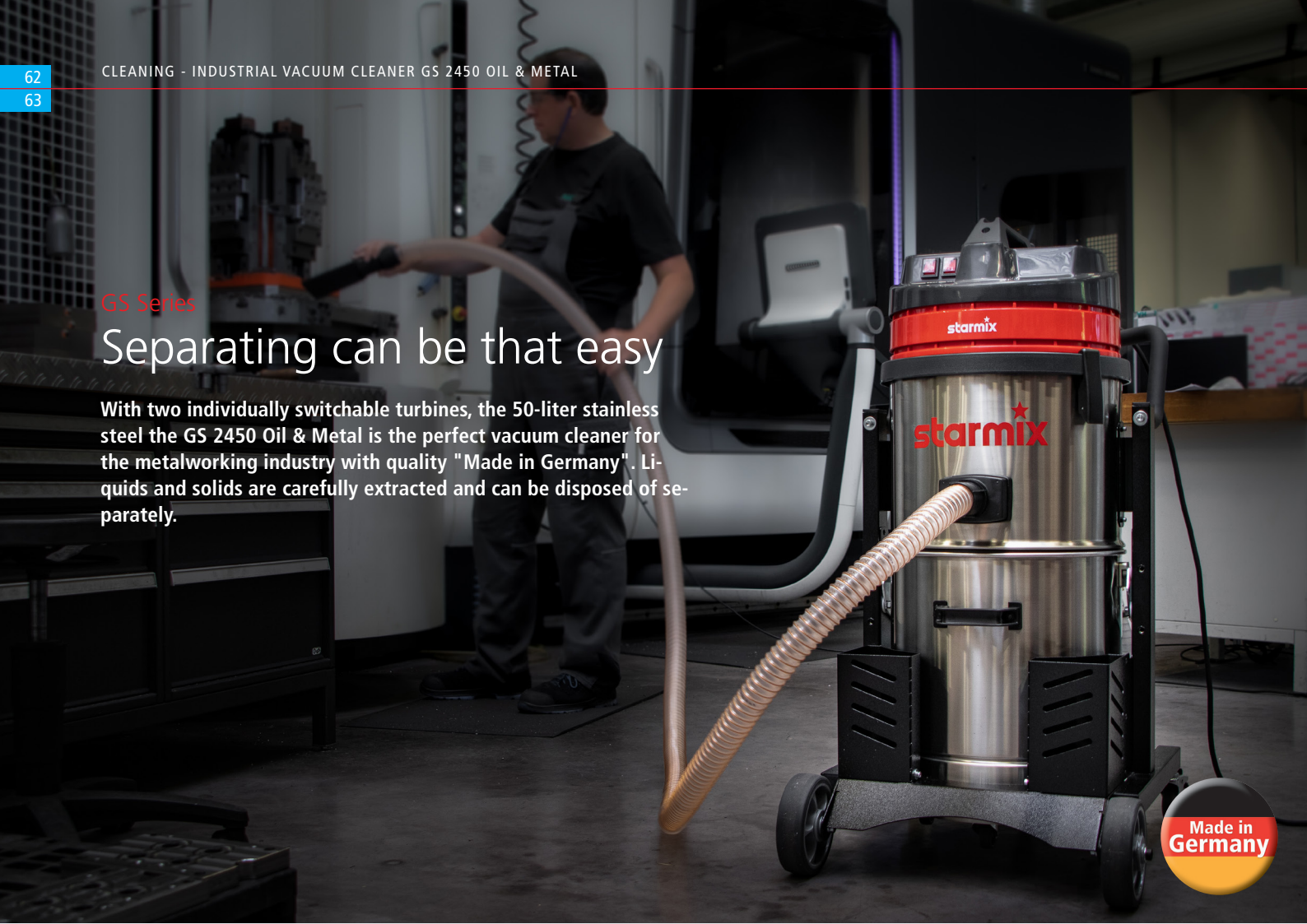


Other accessories
from page 84

GS Series

Separating can be that easy

With two individually switchable turbines, the 50-liter stainless steel the GS 2450 Oil & Metal is the perfect vacuum cleaner for the metalworking industry with quality "Made in Germany". Liquids and solids are carefully extracted and can be disposed of separately.



★ Power technology for professionals



Double Power

The vacuum cleaner is equipped with 2 turbines with 1200 W each. These can be switched on individually. So the suction power can be adjusted as required.



Container with settling mechanism and separating bottom

The integrated separating bottom allows solids to be easily discharged after the liquid has been drained. The 50-liter stainless steel container is lowered via a lever and transported on rollers to the emptying location.

Large crevice nozzle
The crevice nozzle included in the scope of delivery makes the thorough suction of emulsion and chips at the machine convenient and easy.



Chassis & undercarriage
Due to the ergonomically shaped and rubberized handle, the suction cup can be transported comfortably. The robust chassis, with large wheels and steel castors, provides additional safety.



GS Series

The industrial vacuum cleaner for the separate disposal of oil and metal chips

The powerful industrial vacuum cleaner especially for the suction of Chips and liquids that are used for can be disposed of separately.



GS 2450 Oil & Metal

Especially for vacuuming and separate disposal of oil and metal chips, 50 l container

Everything simple and professional disposed of!



Article no.	102979	
Included in the scope of delivery		
Accessory set	* see accessories oil and metal vc	
Filter bag	-	
Equipment		
Main filter	FPP 5000 (Polyester) Dust retention capacity: 99,9 % Art. No. 455815	
Filter cleaning	no	
Antistatically prepared	no	
Water level detection	yes	
Drain hose	yes	
Stainless steel container with set-down mechanism	yes	
Integrated separating bottom for oil and metal chips	yes	
Solid metal chassis / ergonomic handle	yes / yes	
Accessory storage	yes	
Technical data		
Power consumption (max.)	Watt	2 x 1200
Volume flow (max.)	l/s	2 x 54 = 108 (2 engines)
Vacuum (max.)	mbar	205
Container volume (max.)	l	50
gross-dust-water		stainless steel (V2A)
Sound pressure level	dB(A)	77
Dimensions	L x B x H	57,9 x 76 x 107,2 cm
Weight	kg	37
Power cable length	m	8 (Rubber, H07RN-F)
Reach	m	11,5

★ **Scope of delivery:**

Accessories oil and metal vc (see from page 91)



- 1 x suction hose made of PUR, Ø 40 mm x 3,5 m, electrically conductive, art. no. 455747
- 1 x crevice nozzle 24, Ø 40 mm, art. no. 455723
- 1 x Filter-cartridge FPP 5000, art no. 455815

★ **Optional accessories:**

Machine cleaning set MR (see from page 91)



REINIGUNG

Functional drain hose

This not only allows the liquid in the container to be conveniently drained - the transparent material also allows the fill level to be read. The GEKA coupling enables safe connection and disconnection.



Large accessories depot

Two large baskets at the front of the vacuum cleaner provide sufficient space for the vacuum cleaner and cleaning accessories.





GS series

Dangerous? Exactly his thing!

Dry, flammable, hazardous to health and explosion - this is the working area of the GS H-1150 ATEX Zone 22. With dust class H and 50-liter stainless steel container with lowering mechanism, it is suitable for use in the pharmaceutical, chemical, food and the optimal - "Made in Germany" - suction cup for the metal processing industry.



★ Top features for safe working



Container with set down mechanism

Equipped with a powerful brushless motor, the vacuum cleaner is particularly efficient and suitable for continuous operation (>5,000h) - for top performance all day long.



Filter shaker and control lamp

The filter control lamp allows you to see directly whether the filter needs to be cleaned. The cleaning is done manually via a lever on the suction cup.

Endurance tested
Ausgestattet mit einem saugstarken bürstenlosen Motor ist der Sauger besonders effizient und dauerlauffähig (>5.000h) - für eine top Performance den ganzen Tag.



Brushless Motor

Specially designed for hazardous dusts
Meets the legal requirements of the ATEX Product Directive 2014/34/EU (ATEX Zone 22) and Dust Class H for the vacuuming of dry, hazardous and combustible dusts.



TOP FEATURE

GS series

The industrial safety vacuum cleaner for hazardous dust of dust class H and in ATEX zone 22

The professional for dry vacuuming in the danger zone.



I am armed for all dusts!

GS H-1150 ATEX ZONE 22

Der Industrie-Sicherheitsauger für gefährliche Stäube mit 50-l-Edelstahlbehälter

Article no.	102962	
Included in the scope of delivery		
Accessory set	* see scope of delivery	
Paper filter bag	1 x PE-emptying and disposal bag FBPE 50, (replacement art no.: 455839 10 Pack)	
Equipment		
Main filter	1x Folded filter cartridge FP 8500 H14, Art.-Nr. 455808 1x Polyester filter bag FSP 12000 M, Art.-Nr.: 455822	
Filter cleaning	yes - manual filter shaker	
Electrically conductive	yes	
Water level detection	yes/no	
Drain hose	yes	
Stainless steel container with set-down mechanism	yes	
Solid metal chassis / ergonomic handle	yes/ yes	
Accessory storage	yes	
Technical data		
Power consumption (max.)	Watt	1100
Volume flow (max.)	l/s	50
Vacuum (max.)	mbar	248
Container volume (max.) gross-dust-water	l	50 stainless steel (V2A)
Sound pressure level	dB(A)	75
Dimensions	L x B x H	57,9 x 76 x 126,8 cm
Weight	kg	37,5
Power cable length	m	8 (Rubber, H07RN-F)
Reach	m	11,5 – 12,5

★ **Scope of delivery:**

Accessories*
(see from page 91)



- 1 x suction hose Ø 40 mm x 3,5 m, electrically conductive, art. no. 455761
- 2 x suction tube, steel chromed (50cm each), Ø 40 mm, art. no. 455778
- 1 x tube handle, steel chromed, Ø 40 mm, art. no. 455785
- 1 x Aluminium professional floor nozzle Ø 40 mm, art. no. 455792
- 1 x Folded filter cassette FP 8500 H14, art no. 455808
- 1 x Polyester filter bag FSP 12000 M, art. no. 455822
- 1 x PE-emptying and disposal bag FBPE 50 replacement art no. 455839

★ **Optional accessories:**

Machine cleaning set MR
(s. page 91)



Accessories depot and chassis

Two baskets on the front side hold the accessories. The robust metal chassis with large wheels and steel castors gives stability.



Ergonomic handlebar

The suction cup can be transported comfortably by the ergonomic, rubberized handle.



Special vacuum cleaners

Cleaning up come hell or high water

When removing large amounts of liquid, the starmix pump and fire brigade vacuum cleaners are a reliable partner. Thanks to the robust stainless steel container and the specially developed detail solutions, the vacuum cleaners have proven themselves in industry, trade, technical relief and fire services.



★ The starmix pump vacuum cleaners

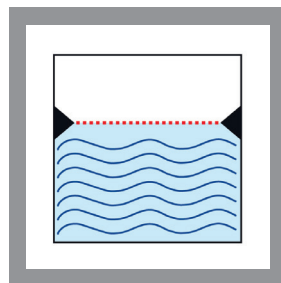
Pump vacuum cleaner advantages:

- Drain hose connection with C-coupling
- FI circuit breaker in the power supply lead
- Special filter bags
- Special application-oriented accessories
- Pump can be completely removed and the container sealed. It is therefore possible to use the appliance as a normal wet-dry vacuum cleaner.

Firefighting vacuum cleaner advantages:

- Water pressure-tight protective contact socket (IP68)
- Water pressure-tight protective contact plug connector (IP68)
- Red suction and drain hose
(C coupling included in the scope of delivery)
- Reflector safety stripes

Top quality "Made in Germany" 



Water stop

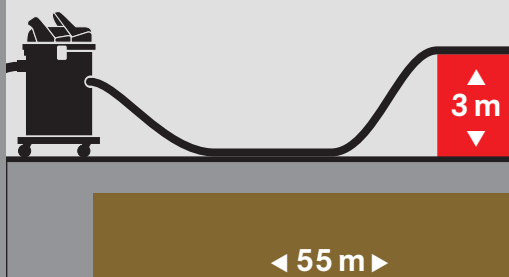
Pneumatic water level detection. As soon as the maximum level is reached during wet vacuuming, the suction power is interrupted.

Features of the pump::

- Dry running safe, maintenance-free, with thermal winding protection
- With built-in float switch
- Motor housing and rotor shaft made of stainless steel
- Handle, pump housing and protective screen made of 30 % glass fiber reinforced plastic

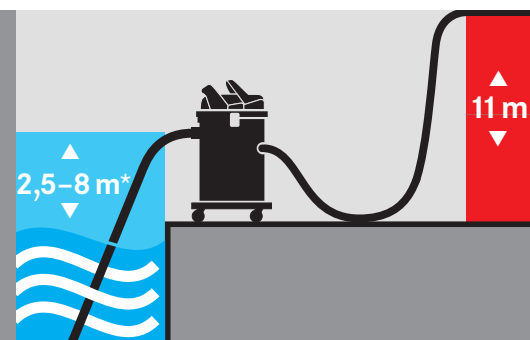
Integrated pump/ Maximal delivery distance

The integrated boom pump pumps the extracted liquid out of the container. The maximum delivery distance in this respect is 50 metres with a maximum height difference of 3 metres.



Maximum pumping height / delivery height

The max. pumping height* is up to 2.5 metres if only water (without air) is sucked in – the pipe is completely under water (= full suction mode). The max. pumping height* is up to 8 metres if a mixture of water and air is sucked in (= slurrp mode).



Special vacuum cleaners

Water vacuum cleaner with integrated pump

The special water vacuum cleaners for removing large amounts of liquid.



uClean PA-1455 KFG

The water vacuum cleaner with integrated pump

uClean PA-1455 KFG FW**

The water vacuum cleaner with integrated pump and water pressure-tight socket/plug connector

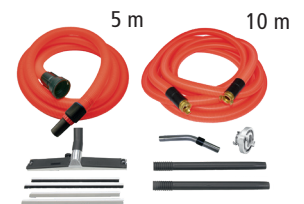
Article no.		019086	019093
Included in the scope of delivery			
Accessories		*Pump vacuum cleaner individual parts	*Fire service vacuum cleaner individual parts
Replacement filter		1 × FSS 1200 (foam) art. no. 413297	1 × FSS 1200 (foam) art. no. 413297
Filter bag		1 × FSN 80, art. no. 424071	1 × FSN 1000, art. no. 424569
Equipment			
Main filter		FPP 3600 (polyester) Dust retention capacity: 99.9% art. no. 415109	FPP 3600 (polyester) Dust retention capacity: 99.9% art. no. 415109
Pulse filter cleaning		no	no
Appliance socket		yes	yes, water-tight (IP68)
Speed controller		yes, 2-level with eco mode	yes, 2-level with eco mode
Hose winding / connector fixture		yes/yes	yes/yes
FI circuit breaker		yes	yes
Tilting running gear		yes	yes
Gentle start/after-running		yes	yes
Water level detection		yes	yes
Antistatically prepared		yes	yes
Integrated immersion pump		yes	yes
Technical data			
Power consumption (max.)	Watt	2210 incl. pump	2210 incl. pump
Volume flow (max.)	l/s	69	69
Vacuum (max.)	mbar	259	259
Container volume (max.) gross-dust-water	l	55/50/43 stainless steel	55/50/43 stainless steel
Sound pressure level	dB(A)	73 ± 2	73 ± 2
Dimensions	L × B × H	52 × 51 × 100 cm	52 × 51 × 93 cm
Weight (incl. submersible pump, net)	kg	26.5	26
Power cable length	m	8.40 (H07RN-F, incl. FI circuit breaker)	8.40 (H07RN-F, incl. FI circuit breaker)
Reach	m	13.0 – 14.0	13.0 – 14.0
Pump delivery output (max.)	l/min	330	330
Pumping height in full suction mode	m	2.5	2.5
Pumping height in slurping mode	m	5 – 8	5 – 8
Delivery height (max.)	m	11	11
Delivery distance (max.)	m	55	55

★ Scope of delivery:

Pump vacuum cleaner individual parts*
(see from page 84)



Fire brigade vacuum cleaner individual parts*
(see from page 84)



Other accessories from page 84

TS series

Quiet, compact, powerful

The TS vacuum cleaners with integrated noise insulation. The powerful suction performance and the compact and lightweight design makes it possible to work efficiently during business hours.



★ Power technology for professionals



Convenient to work with

Due to the large foot-operated on/off switch and sideways park position for the vacuum accessories. Possible to easily transport with one hand.



Quiet and safe all round

Elastic bumpers and rubber rollers for quiet easy rolling. Bottom runner to help it roll off door sills almost barrier-free.

Extra long wheel base
For optimal safety
against overturning.



Cable hook

The new lockable hook allows the cable to be safely and reliably secured when transporting the vacuum cleaner. Light and easy to operate thanks to the pivot joint.



Dry vacuum cleaner

Dry vacuum cleaner

The dry vacuum cleaners are optimal for dry cleaning in the hotel, catering and office sector. With the additional HEPA filter a plus for the cleaning, especially for people who are allergic to house dust.

** Discontinued item **



Small, powerful, agile
– specially for dry
cleaning.

TS 714 RTS HEPA

The small dry vacuum cleaner with noise insulation

Article no.	017716	
Included in the scope of delivery		
Accessory set	*RTS, only individual parts can be ordered	
Replacement filter	Exhaust filter TS EPA E12	
Filter bag	1 × FBV 14 HEPA after-sales art. no. 444154 (10 pcs.)	
Equipment		
Main filter	Fleece filter basket TS	
Pulse filter cleaning	no	
Appliance socket	no	
Eco mode	yes	
Noise reduction	yes	
Carry handle with lockable cable hook	yes	
Park position for floor nozzle	yes	
Gentle start/after-running	no	
Water level detection	no	
Antistatically prepared	no	
Accessory storage	yes	
Technical data		
Power consumption (max.)	Watt	700
Volume flow (max.)	l/s	42
Vacuum (max.)	mbar	210
Container volume (max.) gross-dust	l	14 plastic
Sound pressure level	dB(A)	62
Sound power level	dB(A)	73
Dimensions	L × B × H	40 × 29 × 40.5 cm
Weight	kg	4.9
Power cable length	m	10 (PVC)
Reach	m	13.0

★ Scope of delivery:

Accessory RTS*
(from page 84)



Equipment

- 1 × Suction hose 32 – 250 TS
(incl. tube handle), ø 32 mm
× 2,5 m, art. no. 436326
- 2 × Suction tube alu TS 32 – 50
(each 50 cm), art. no. 436425
- 1 × Professional universal nozzle 27 TS
(reversible), art. no. 426402
- 1 × Crevice nozzle 23 TS (23 cm long),
art. no. 436388
- 1 × Upholstery nozzle 10 TS
(10 cm wide), art. no. 436418

CLEANING

Power regulation

For efficient dirt pick-up, the suction power can be adjusted to any floor covering.



Accessory

4 accessory slots on the back of the vacuum cleaner as well as side parking positions for nozzles.



Haaga sweepers: only the best is good enough

The comprehensive range of Haaga sweepers has something to offer for both facility management companies and consumers looking for an appliance to clean their garden paths alike.



MADE

IN

GERMANY

Power sweepers

Powerful, efficient, robust

Sweeping larger paved areas with a broom is time-consuming and energy-sapping. starmix power sweepers manage this work quicker and easier. The patented disc brush technology makes them especially efficient, quiet and handy. Unlike the otherwise conventional roller power sweepers, the disc brushes pick up wet and dry foliage, stones, flat and bulky waste in front of the machine. Nothing obstructs the picking up of dirt. Compact dimensions and the low weight ensure simple, fatigue-free work.

The strong partner for all requirements:

Alejandro P. about the haaga 497:

"With the haaga 497 I swept the whole yard in a few minutes. With one pass, it really sweeps everything clean, from leaves to sand, thanks to the practical height adjustment. This leaves more time for the important things - our customers.

**Helmut K. about the haaga 477 Profi:**

"Sweeping together at the machines is often necessary for us. That can be annoying and also costs time. But with the haaga 477 Profi it is now very fast and really convenient. Drive over it once and you're done.



Video of the sweepers

Haaga sweeper series

Proven system with improved technology

Haaga sweepers are characterized by a very easy handling and high quality. With the unique disc brush system dirt is not simply pushed in front of the sweeper but directly into the dirt container. The turbo sweeping system with an additional brush picks up dirt twice in one step. "Made in Germany" is to us an absolute quality standard and therefore a 'must' criterion – even when it comes to sweepers.

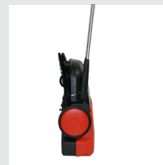


Sweeping is really fun with the haaga technology!

★ Features that make sweeping more easy



Overlaying disc brushes on both sides:
A higher sweeping performance is achieved by using 2 high quality circular brooms at the same time. The overhang also allows sweeping under edges



Vertical storage
The handle, which can be pivoted 180°, helps reduce the amount of space required for storing the sweeper. This allows the appliance to be stored in the minimum amount of space when not in use.



Ergonomic push handle:
The ergonomic push handle makes the application particularly comfortable and protects the back.



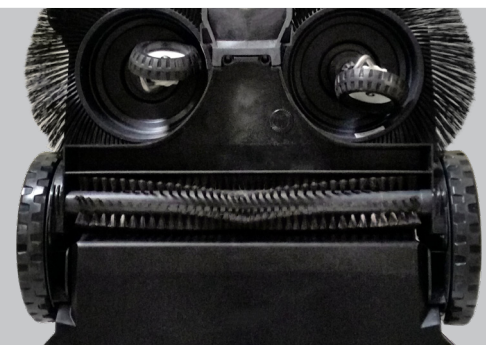
Optimized container shape
The shape of the container supports the easy crossing of obstacles. In addition, the container can be opened and closed easily thanks to the smart closure system.

Features haaga 677:

Battery operated
Even more comfortable to handle due to electric brush drive. Only guide instead of push. Manual application is also possible.



Fine dirt brush
Machines sweep twice in one step. Even the most fine debris is collected.



ADVANTAGES OF OUR SWEEPERS AT A GLANCE

- ✓ Sweep up coarse/fine dirt effortlessly
- ✓ Top quality "Made in Germany" 
- ✓ Sweep wet and/or dry
- ✓ More sweeping capacity due to disc brushes projecting on both sides
- ✓ Pleasant smooth running and long shelf life due to beltless drive
- ✓ Easy sweeping along kerb stones and walls due to additional guide rollers
- ✓ Optimum cleaning capacity on different floors due to infinitely variable brush height adjustment
- ✓ Space-saving storage



CLEANING

TOP
FEATURE



Brush height adjustment





The stepless variable height adjustment guarantees optimum ground hugging. On level 8 even stuck dirt is removed effortlessly.



Brush hold-down and side roller

These support the tracking of the circular brooms. The side roller additionally protects bristles and chassie when sweeping close to the edge.

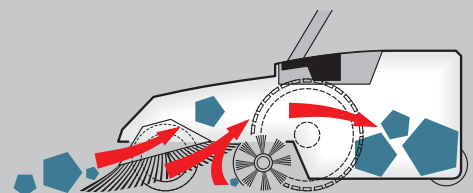
Decision support

	Products	Sweeping frequency										Application areas	
		Occasionally sweeping	Regular sweeping	Smallest areas up to approx. 100 m ²	Smaller areas up to approx. 500 m ²	Middle areas up to approx. 1000 m ²	Larger areas up to approx. 1000 m ²	Large areas up to approx. 1500 m ²	Large areas up to approx. 2000 m ²	Very large areas up to approx. 3000 m ²	Very large areas up to approx. 3000 m ²	Interior	Exterior
Sweepers													
	haaga 255	✓	✗		✓	✓	✗	✗	✗	✗	✗	✗	✓
	haaga 375	✓	✗		✓	✓	✓	✗	✗	✗	✗	✗	✓
	haaga 477 Profi	✓	✓		✓	✓	✓	✗	✗	✗	✗	✓	
	haaga 497 Profi	✓	✓		✓	✓	✓	✓	✗	✗	✗	✓	
	haaga 677 Profi 	✓	✓		✓	✓	✓	✓	✓	✗	✗	✓	
	haaga 697 Profi 	✓	✓		✓	✓	✓	✓	✓	✓	✗	✓	
	haaga 697 Profi plus 	✓	✓		✓	✓	✓	✓	✓	✓	✓	✓	

Four-year wear guarantee on the brushes* guarantees full performance capability of the power sweeper over a long period.



Turbo sweeping system Counter-rotating disc brushes push the waste directly into the collecting container. With the additional fine-dirt sweeping roller the machines sweep twice in one step.

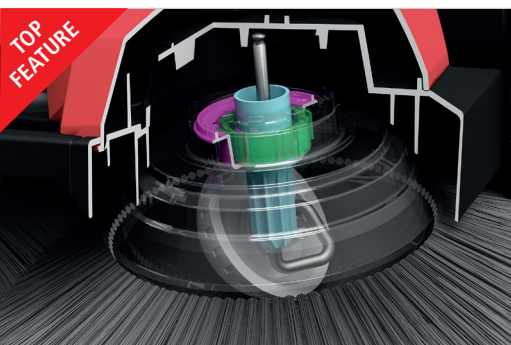


Features and technical data													Flooring				Sweepings					
Sweeping width / cm	Form-fit drive coupling with self-lubricating materials	Fine dirt roller	Side roller	Integrated brush down holder	Special filter / intelligent air flow	Sealing lips	Ergonomic push handle	Height-adjustable telescopic push handle	Battery drive / Running time in min.	Theoretic sweeping performance / m ² / h	Weight/kg	Container volume / l	Concreted / tarred surfaces	Paved areas	Wooden floor	Carpet (short pile)	Sand, dust	Grit, stones	Wood-sawn wood residues bark mulch	Dry leaves	wet leaves	Grass and leaves
55	X	X	✓	X	X	X	X	X	X	1.600	5.3	25	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
75	✓	X	X	X	X	X	X	X	X	2.900	11,1	50	✓	✓	✓	X	✓	✓	✓	✓	✓	✓
77	✓	✓	one side	✓	✓	✓	✓	X	X	3.000	14,6	50	✓	✓	✓	X	✓	✓	✓	✓	✓	✓
97	✓	✓	one side	✓	✓	✓	✓	X	X	3.600	15,7	50	✓	✓	✓	X	✓	✓	✓	✓	✓	✓
77	✓	✓	one side	✓	✓	✓	✓	X	90	3.600	20,2	50	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
97	✓	✓	one side	✓	✓	✓	✓	X	90	4.100	21,1	50	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
97	✓	✓	one side	✓	✓	✓	✓	X	120	4.100	21,1	50	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓

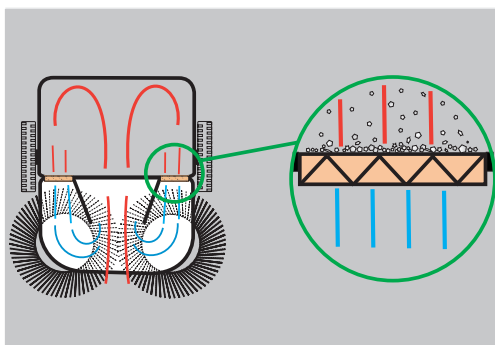


The system of the rotating disc brushes

Detailed information to the turbo sweeping system and the intelligent air flow system you can find on our website.



Driving clutch
Form-fitting construction and self lubricating material to increase reliability and durability of the driving clutch.



Low dust build-up due to intelligent air flow
The 400/600 series are equipped with two special filters. The air containing dust is thus cleaned inside the machine and returned to the sweeping cycle.



Power sweepers

Best sweeping capacity and easy, comfortable operation



haaga 255

For use at home, in the garden and in small industrial enterprises.

haaga 375

For occasional use for medium-sized areas up to approx. 1,000 m².

haaga 477 Profi

For commercial use for larger areas up to approx. 1,500 m².

Article no.	102887	101040	101033
Equipment			
Form-fit drive coupling with self-lubricating materials	no	no	yes
Turbo sweeping system	no	yes	yes
Disc brushes projecting on both sides	yes	yes	yes
Lateral guidance	yes – on both sides	no	yes – on one side
Brush pressure pad	no	no	yes
Brush height adjustment	yes	yes – infinitely variable	yes – infinitely variable
Gearbox protected against dirt	no	no	yes
Ergonomic push handle	no	no	yes
Height-adjustable telescopic push handle	no	no	no
Flexible seals for low-dust sweeping	no	no	yes
Fine dirt brush	no	yes	yes
Battery-powered	no	no	no
Technical data			
Operating principle	Plate broom sweeping system	Turbo sweeping system	Turbo sweeping system
Brush drive	manually	manually	manually
Sweeping width* cm	55	75	77
Container volume (max.) l	20	50	50
Sweeping capacity m ² /h	1.600	2,900	3,000
Weight kg	5,3	11.1	14.6
Application areas	for home & garden (55 cm width)	Filling stations, workshops, car parks, yards	Filling stations, workshops, car parks, yards, warehouses, production halls

*measured on the outer edge of the plate broom

Explanation of pictograms:



haaga 355, haaga 375, haaga 477 Profi, haaga 497 Profi:



The Haaga power sweepers offer the right appliance for every application. Smaller and larger areas in the home, garden, on car parks and at filling stations are cleaned as effortlessly as large areas in production halls or workshops.



haaga 497 Profi

For commercial use for large areas up to approx. 2,000 m².

101019

haaga 677 Profi

For commercial use for large areas up to approx. 2,500 m².

Battery powered or manual.

100500

haaga 697 Profi

For commercial use for very large areas up to approx. 3,000 m².

Battery powered or manual.

101002

haaga 697 Profi plus

For commercial use for very large areas up to approx. 3,500 m².

Battery powered or manual.

100180

yes	yes	yes	yes
yes	yes	yes	yes
yes	yes	yes	yes
yes – on one side	yes – on one side	yes – on one side	yes – on one side
yes	yes	yes	yes
yes – infinitely variable	yes – infinitely variable	yes – infinitely variable	yes – infinitely variable
yes	yes	yes	yes
yes	yes	yes	yes
no	no	no	no
yes	yes	yes	yes
yes	yes	yes	yes
no	yes Running time: approx. 90 min. Charging time: ca. 7 hours	yes Running time: ca. 90 min. Charging time: ca. 7 hours	yes Running time: ca. 120 min. Charging time: ca. 9 hours
Turbo sweeping system manually	Turbo sweeping system electrically or manually	Turbo sweeping system electrically or manually	Turbo sweeping system electrically or manually
97	77	97	97
50	50	50	50
3,600	3,600	4,100	4,100
15.7	20.2	21.1	21.1
Filling stations, workshops, car parks, yards, warehouses, production halls	Property management, cleaning companies, filling stations, workshops, car parks, yards, warehouses, production halls	Property management, cleaning companies, filling stations, workshops, car parks, yards, warehouses, production halls	Property management, cleaning companies, filling stations, workshops, car parks, yards, warehouses, production halls

Accessories

Recommendations for special cases



★ Antistatic equipment

Have you got a 'shock' when vacuuming? That's something many tradespeople know all too well. This is due to electrostatic charge in the suction hose. The solution: the starmix anti-static hose*! To avoid harmless yet unpleasant electric shocks, some of our vacuum cleaners (iPulse Safe Plus vacuum cleaner) already come with an anti-static hose fitted as standard. For all other vacuum cleaners, we offer this hose as an option.
Accessories page 96

(*suitable for all antistatically prepared starmix vacuum cleaner)

★ Advanced Filter

The next generation of filters has arrived - we have optimized our filter cassettes for even better functionality.

The FKP 4800 M Advanced has a 12% larger filter area. This reduces the inflow velocity and increases the filtration efficiency. This means that the filters have to be cleaned approx. 1/3 less often and the full suction power is available for longer.

The FKP 3800 HEPA H14 Advanced significantly reduces the adhesion of dust particles due to a new type of membrane material, which means that the filters have to be cleaned approx. 16% less often and full suction power is available for longer.

See accessories page 87.



★ Intermateable hoses

When you are working, do you have to cover large distances between the vacuum cleaner and your work area? We have the solution: Connect two starmix five-metre suction hoses together and extend the area you can work in! For distances of more than ten metres, there may be a loss of suction power – depending on what material is being vacuumed. With liquids or fine, lightweight dust, this is negligible; however, with heavy materials it is considerable.
See accessories from page 97.



★ Variable use through accessory change

An application-specific accessory set is contained in the scope of delivery of every starmix vacuum cleaner. To prepare the vacuum cleaner for another area of application, it only has to be equipped with another accessory set. The starmix accessory programme offers many possibilities for this. This way, an uClean power tool vacuum cleaner can be used to vacuum an office floor in no time at all. See accessories, from page 93.



★ **Nozzle set**

art. no. 014142

Equipment

- 1 × crevice nozzle (37 cm long)
art. no. 417028
- 1 × fine suction brush, art. no. 418032
- 1 × suction brush, art. no. 418407
- 1 × upholstery nozzle, art. no. 418452
- 1 × adapter, 49 mm to 35 mm system
art. no. 425641

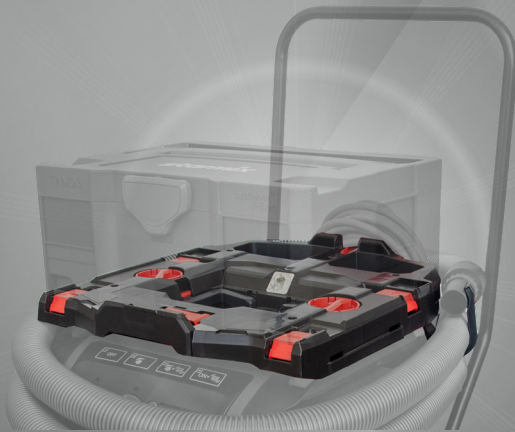


The right nozzle for every application – regardless of whether it is use in skilled trades or for special cleaning applications! The nozzle set comes in very handy when cleaning the nooks and crannies in a car, which are sometimes very hard to reach, such as the spaces between the seat and console as well as those under the seats.

★ **UNIFIX adapter plate**

art. no. 449432

Adapter plate for tool-free mounting on all suction cups of the ISC, ISP and iPulse series, for fastening and transporting boxes of the Systainer and Sortimo/L-Boxx system. See accessories from page 85.



★ **FS 2078/3078**

art. no. 012070

Equipment

- incl. suction hose, ø 49 mm × 1.1 m
with brush strips
for GS 2078 and 3078

Width: 61.5 cm



Driving nozzle for GS 2078/3078. Can be mounted on the vacuum cleaner – height-adjustable, for sucking up (dry vacuuming) of larger areas.

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suction hoses

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Accessories

The best ON-OFF-relationship!

Get your work done quickly with a battery power tool – so handy! Too bad that the battery tool can't be connected to the vacuum cleaner, for the comfortable Auto-On/Off function. Enough of that! Due to the world innovation - Cordless Control - now not only mains-connected Powertools, but finally also battery Powertools can be vacuumed with automatic start/stop. The sensor detects the operating status of the power tool and passes it on via radio signal to the radio socket. This switches the vacuum cleaner on and off, regardless of the brand.

★ **Universally applicable**

The radio-controlled socket makes Cordless Control compatible with any corded vacuum cleaner and any commercially available power tool.

★ **Manual operation possible**

The vacuum cleaner can also be started manually with a push button on the sensor. Cordless Control can thus be used as a remote control when vacuuming on a ladder, for example.

★ **Distinguishes type of vibration**

The sensor of the Cordless Control is specially programmed for the vibration spectrum of power tools.

★ **Simple pairing**

Transmitter and radio receiver are paired out of the box and ready for immediate use - plug in and go!

★ **Long battery life**

The battery built into the sensor can last up to 10,000 hours with the power tool switched on. Afterwards it can be easily exchanged.

★ **Tough - prepared for every situation**

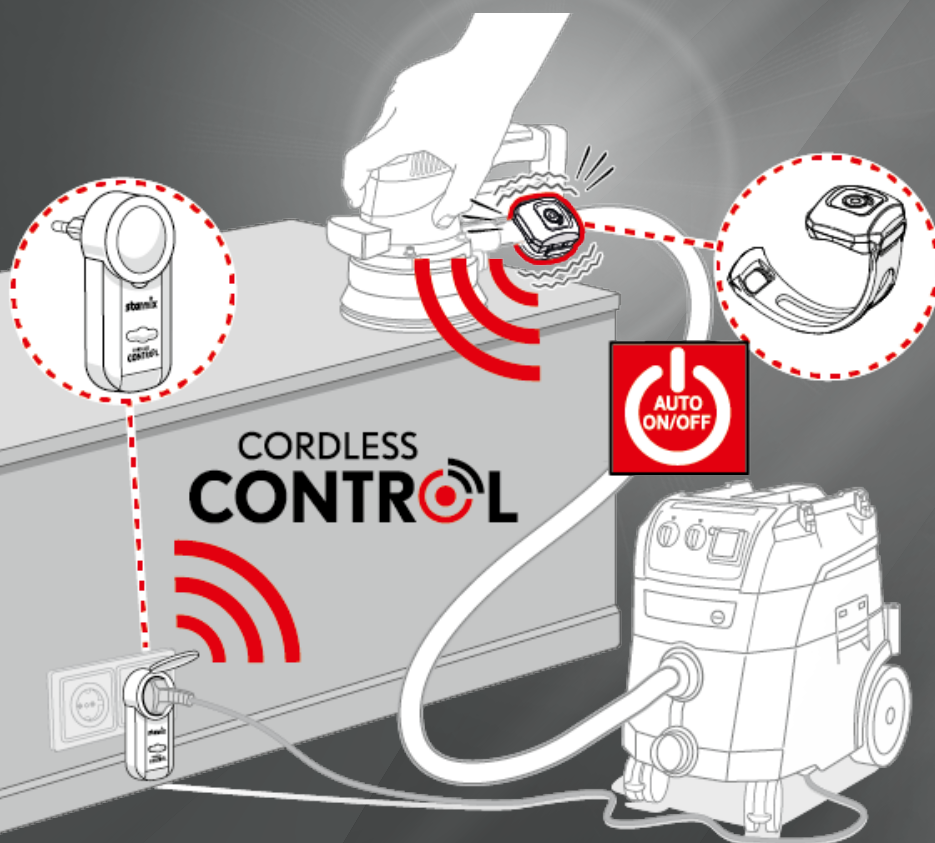
The transmitter is waterproof, UV-resistant and temperature-resistant from -18°C to +50°C. With a shock resistance of up to 2 tons we are prepared for anything.

★ **Multiband brings flexibility**

The sensor can be attached to suction hoses of any common diameter or directly to the Powertool.

★ **Complete aspiration**

After switching off the power tool, the connected suction cup continues to run for a few seconds to suck in any dirt remaining in the hose.



How it works:



1st step

First, the radio socket is plugged into the socket, then the vacuum cleaner is plugged in.



2nd step

The sensor is fixed. The multiband can either be wrapped around the hose (short band) or directly attached to the machine in use (long band).



3rd step

Switch on the vacuum cleaner as usual. If the Powertool is in action - vibrations are detected - the vacuum cleaner starts automatically. If the tool is switched off, the vacuum cleaner also switches off after a few seconds of overrun.

When working without a connected machine, the vacuum cleaner can be controlled by pressing the button on the transmitter.

VACUUM FOLLOWS MACHINE

★ Scope of delivery:

radio socket set
(see page 85)



- 1 x radio socket
- 1 x Cordless Control (incl. Li-Ion button cell CR2031)
- 3 x fixing rubber bands (1x for hose Ø35, 2x universal).

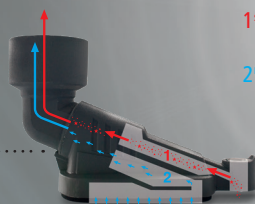
Optional accessories bohrfixx

The patented solution for vacuuming directly next to the drill hole.

This attachment for the vacuum pipe fits all regular household and industrial vacuum cleaners. It allows for completely safe, dust-free drilling in walls and ceilings without additional help from a second person.



Completely safe, dust-free work thanks to the patented 2 chamber system



1st chamber sucks up the drilling dust completely.
2nd chamber produces a vacuum which fixes the Bohrfixx to the ceiling or wall.



Suitable for connector diameters from 32 to 37 mm*

Flexible articulation piece
Provides the optimum pipe position and enables overhead work.

Robust steel drilling collar in steel
For all regular drills up to 14 mm diameter.



No dust residue on walls and wall coverings

starmix bohrfixx



Video:



Simple and uncomplicated to use



Material: impact resistant ABS-plastic (polypropylen)
Weight: 133.5 g
Dimensions (W x H x T): 8.0 x 11.0 x 17.3 cm
Art. no.: 011370, language version D (DE/GB/FR/ES/NL)
Art. no.: 011462, language version O (GB/RU/PL/HR/CZ)

*Suitable for almost all regular vacuum cleaners. Even domestic vacuum cleaners can be connected to it. Warning: exceptions are vacuum cleaners with a filter cleaning system based on an "air-backwash principle"!

Accessories

Accessory sets for all applications

EWS trade and industry accessories

Art. no. 072401



Equipment

- 1 × suction hose* with red air slide, ø 35 mm × 5 m, art. no. 447193
- 1 × tube handle, stainless steel with supplementary air slide, art. no. 421445
- 2 × suction tubes, stainless steel (each 50 cm), art. no. 424842
- 1 × crevice nozzle (22 cm long) art. no. 417011
- 1 × connection sleeve, stepped, art. no. 425719
- 1 × dust nozzle 37 with hard-floor insert art. no. 414706

EW electric power tools (professional)

art. no. 044705



Equipment

- 1 × suction hose with red air slide, ø 35 mm × 5 m, art. no. 447193
- 1 × connecting sleeve for electric power tools, stepped, art. no. 425719

EW standard supplementary set

art. no. 063201



Ausstattung

- 1 × tube handle, stainless steel with supplementary air slide, art. no. 421445
- 2 × suction tubes, stainless steel (each 50 cm) art. no. 424842
- 1 × crevice nozzle (22 cm long) art. no. 417011
- 1 × dust nozzle 37 with hard-floor insert art. no. 414706

EW professional supplementary set

art. no. 091709



Equipment

- 1 × tube handle, stainless steel with supplementary air slide, art. no. 421445
- 2 × suction tubes, stainless steel (each 50 cm) art. no. 424842
- 1 × crevice nozzle (22 cm long) art. no. 417011
- 1 × professional aluminium floor nozzle 45 with brush and rubber strip art. no. 416106

EW construction supplementary set

art. no. 015859



Equipment

- 1 × floor nozzle 30 art. no. 440941 (as specified by the trade association "construction". Dimensions of scution 28 × 70 mm)
- 2 × suction tubes, plastic (each 50 cm) art. no. 424859
- 1 × tube handle, stainless steel with supplementary air slide, art. no. 424804

EHP electric power tools (professional)

art. no. 016542



Equipment

- 1 × suction hose*, ø 35 mm × 3.2 m art. no. 413228
- 1 × tube handle, plastic with supplementary air slide, art. no. 424804
- 2 × suction tubes, plastic (each 50 cm) art. no. 424859
- 1 × crevice nozzle (22 cm long) art. no. 417011
- 1 × rubber nozzle (23 cm long) art. no. 425696
- 1 × floor nozzle 30 (BG Bau) art. no. 440941

EHB electric power tool (basic)

art. no. 016603



Equipment

- 1 × suction hose*, ø 35 mm × 3.2 m art. no. 413228
- 1 × tube handle, plastic with supplementary air slide, art. no. 424804
- 2 × suction tubes, plastic (each 50 cm) art. no. 424859
- 1 × crevice nozzle (22 cm long) art. no. 417011
- 1 × rubber nozzle (23 cm long) art. no. 425696
- 1 × water nozzle 26 art. no. 440934

ST standard 49 mm (coarse dirt)

art. no. 044309



Equipment

- 1 × suction hose*, ø 49 mm × 1.75 m art. no. 414256
- 2 × suction tubes, plastic (each 50 cm) art. no. 425610
- 1 × coarse dirt crevice nozzle (16 cm long) art. no. 417639
- 1 × coarse dirt floor nozzle 36 (36 cm wide) art. no. 416731
- 1 × coarse dirt nozzle art. no. 417943

Accessories

Accessory sets for all applications

PZ Professional accessories

art. no. 003108

**Equipment**

- 1 × suction hose, ø 35 mm × 3.2 m
art. no. 413228
- 1 × tube handle, stainless steel with supplementary air slide, art. no. 421445
- 2 × suction tubes, stainless steel (each 50 cm)
art. no. 424842
- 1 × crevice nozzle (37 cm long),
art. no. 417028
- 1 × fine suction brush, art. no. 418032
- 1 × professional floor nozzle 45 with brush and rubber strips,
art. no. 416519

HMT Haushalt

art. no. 003009

**Equipment**

- 1 × suction hose, ø 35 mm × 3,2 m
art. no. 413228
- 1 × tube handle, stainless steel with supplementary air slide, art. no. 421445
- 1 × suction tube, telescopic, stainless steel 57-95 cm; infinitely adjustable,
art. no. 425573
- 1 × crevice nozzle (22 cm long) art. no.417011
- 1 × upholstery nozzle (12 cm wide) incl. insert brush, art. no. 418452
- 1 × professional universal nozzle 29 (reversible), art. no. 414454
- 1 × water nozzle 26, art. no. 440934

HK house / hobby

art. no. 044101

**Ausstattung**

- 1 × suction hose, ø 35 mm × 1,75 m
art. no. 411507
- 1 × tube handle, plastic with supplementary air slide, art. no. 424804
- 2 × suction tubes, plastic (each 50 cm),
art. no. 424859
- 1 × crevice nozzle (22 cm long),
art. no. 417011
- 1 × upholstery nozzle (12 cm wide),
art. no. 418452
- 1 × universal nozzle 25 (reversible)
art. no. 414447
- 1 × water nozzle 26, art. no. 440934

ST standard 49 mm
(coarse dirt)

art. no. 044309

**Equipment**

- 1 × suction hose, ø 49 mm × 1,75 m
art. no. 414256
- 2 × suction tubes, plastic (each 50 cm)
art. no. 425610
- 1 × coarse dirt crevice nozzle (16 cm long)
art. no. 417639
- 1 × coarse dirt floor nozzle 36 (36 cm wide)
art. no. 416731
- 1 × coarse dirt nozzle
art. no. 417943

MZ machines

art. no. 040103

**Equipment**

- 1 × suction hose*, oil resistant
ø 49 mm × 3,0 m
art. no. 414201
- 1 × crevice nozzle, steel (25 cm long)
art. no. 417035
- 1 × rubber nozzle oil-resistant (20 cm long)
art. no. 425702
- 1 × adapter, 49 mm to 35 mm system
art. no. 425641

FS driving nozzle
for GS 2078/3078

art. no. 012070

**Equipment**

- incl. suction hose*, ø 49 mm × 1.1 m with rubber and brush strip for all GS 2078 and 3078

Width: 61.5 cm

Nozzle set 35/49







art. no. 014142

**Equipment**


- 1 × crevice nozzle (37 cm long)
art. no. 41 70 28
- 1 × fine suction brush, art. no. 418032
- 1 × suction brush, art. no. 418407
- 1 × upholstery nozzle, art. no. 418452
- 1 × adapter, 49 mm to 35 mm system
art. no. 425641

Accessories


Special accessories for iPulse

	Accessory system mm Ø	Length or width cm	Special features, material	Order no EAN 4011240 ...	
Accessories for iPulse					
Push handle					
	FB 35	–	–	Set push handle incl. pin plug, for all iPulse vacuum cleaners Powder-coated, avoids static electricity For comfortable driving of the vacuum cleaners For easy mounting to the container (plug in – ready)	445137
Accessory storage					
	Accessory storage	–	–	4 holders for wobble free fixation of the accessory, parking position for floor nozzles	445113
Rail set					
	Rail set (Smartfix)	–	–	Rail set, 2 pcs. (left and right) for mount on iPulse vacuum cleaner. Incl. 2 x velcro and Spax screws	445106
starboxes					
	starbox II FBV 25/35	–	–	Systainer size II L 296 x B 396 x H 165 mm, 2.035 kg filled with fleece filter bag FBV 25/35 (5-pack) box suitable for all ISP vacuum cleaner with smartfix	444451
	starbox II FBPE 25/35	–	–	Systainer size II L 296 x B 396 x H 165 mm, 2.015 kg filled with PE emptying bag FBPE 25-35 (5-pack = 1 set), box suitable for all ISP vacuum cleaner with smartfix	444475
	starbox II FKP 4800 M Advanced	–	–	Systainer size II L 296 x B 396 x H 165 mm, 2.656 kg filled with filter cassette FKP 4800 M Advanced (2 pcs. = 1 set) box suitable for all ISP vacuum cleaner with smartfix	444468

Zubehör für iPulse, ISP, ISC

Unifix						
	Adapterplatte zur Fixierung aller gängigen Werkzeugbox-Systeme	–	–	Kompatibel mit allen gängigen Werkzeugbox-Systemen, wie Systainer Classic, -T-Loc und -Midi sowie Sortimo/Bosch (L-Boxx). Aufbewahrung von Saugschlauch und Netzleitung durch zwei Schlauchhaken und einen Kabelhaken. Ohne Werkzeug montierbar. Abmessungen (LxBxH): 450 x 390 x 75 mm	449432	69,70 / 82,94

Accessories for all wired vacuum cleaners

Cordless Control					
	Set radio socket EU + Cordless Control incl. battery	–	–	Set in attractive blister pack for POS, consisting of radio socket + Cordless Control (incl. Li-Ion button cell CR2031), 3 fixing rubber bands (1x for hose Ø35, 2x universal). This allows any mains vacuum cleaner connected to a battery-powered Power Tool for suction to be automatically switched on or off by radio signal from the vibration sensor (Auto On/Off).	453644

Accessories

Consumables

	Accessory system mm Ø	Length or width cm	Special features, material	Order no. EAN 4011240 ...
Filter bags				
Filter bag for uClean/eSwift series (also suitable for HS/GS/AS units)				
			Fleece filter bag, double-layered – IFA (BIA) tested/dust class "M"	
	FBV 20 (5 pcs.) FBV 20 (10 pcs.)	– –	for all 20 – 22l plastic and steel containers large package – contains 10 pieces per box	3060 cm ² 434827 434971
Filter bag for iPulse and ISC series (also suitable for IS units)				
			Fleece filter bag, double-layered – IFA (BIA) tested/dust class "M"	
	FBV 25/35 (5 pcs.) FBV 25/35 (10 pcs.)	– –	for all square 25 and 35l plastic containers large package – contains 10 pieces per box	5160 cm ² 411231 434988
Filter bag for uClean/eSwift series (also suitable for HS/GS/AS units)				
			Fleece filter bag, double-layered – IFA (BIA) tested/dust class "M"	
	FBV rd 30 – 35 (5 pcs.) FBV rd 30 – 35 (10 pcs.)	– –	for all round 30 - 35l plastic, steel and stainless steel containers, large package – contains 10 pieces per box	6150 cm ² 442761 442778
Filter bag for ISC, uClean series (also suitable for IS/HS/GS units)				
			Fleece filter bag, double-layered – IFA (BIA) tested/dust class "M"	
	FBV 45 – 78 (5 pcs.) FBV 45 – 78 (10 pcs.)	– –	for all 45 - 78l plastic, steel and stainless containers large package – contains 10 pieces per box Replaces FB 78	8190 cm ² 435039 435176
PE emptying and disposal bags for iPulse and ISC series				
			Emptying and disposal bag (5 pieces = 1 set)	
			FBPE 50 (5 pcs.) for IS "M" and "H"	– – Polyethylen, for IS M and H with 50l container 421742
			FBPE 25/35 (5 pcs.) for ISP iPulse, IS/ISC "M" and "H"	– – Polyethylen, für ISC/ISP iPulse mit 25- und 35l-Behälter, auch L-Sauger mit neuem Drehschieber (ab Produktionsjahr Okt. 2017) 425764
			FBPE 35 (5 pcs.) for ISP iPulse "H asbestos"	– – Polyethylen, with "Asbestos" marking !! Observe disposal regulations !! for ISP iPulse with 35l container 425757
			FBVPE 25/35 (5 pcs.) for "iPulse" and "ISC", "M" and "H" vacuum cleaner	– – Safety filter bag, polyethylene with inlay fleece filter bag. For all iPulse / ISC "M" and "H" vacuum cleaners with 25 and 35 liter container and new rotary slide, produced from october 2017!! !! Observe disposal regulations !! 445267
Main filter				
Folded filter for ISP iPulse, ISC, IS series				
			Cellulose – Dust retention: 99.9%	
	FK 4300	– –	2 x cellulose folded filter cassettes with insertion rib filter material IFA (BIA) tested in accordance with dust class "M" – Filter surface area: 8600 cm ² – Material: cellulose – Dust retention capacity: ≥ 99.9% Folded filter cassette with glued in, optimised cellulose filter material and inserted rubber seal. For vacuuming household and industrial dust, sawdust, wood shavings, brick, drilling and milling dust and other similar substances. Depending on the type of dust Safety vacuum cleaner must be used, see page 6/7. (2 pcs. = 1 set, 2 x 4300 cm ² filter surface)	416038

*Depending on the type of dust safety vacuum cleaner must be used, see page 6/7.

**Filter material: IFA (BIA)-proved for dust classification M.












	Accessory system mm Ø	Length or width cm	Special features, material	Order no. EAN 4011240 ...	
Polyester – class "M" – Dust retention: 99.9 %					
	FKP 4800 M Advanced - Set (2 pcs.)	–	–	– 2 × polyester pleated filter cassette with insertion rib – Filter material IFA (BIA) tested according to dust class "M" – Filter surface: 9600 cm ² (2 × 4800 cm ²) – Material: Polyester – Dust retention capacity: ≥ 99,9 Deeper pleats increase the filter area by 12% and due to the lower inflow velocity of the dust-laden air, the collection efficiency increases. The Advanced filters need to be cleaned 1/3 less often and therefore the full suction power is available longer.	459257
Polyester – class "H"/"HEPA" – Dust retention: 99.995 %					
	FKP 3800 HEPA H14 Advanced, Set (2 pcs.)	–	–	– 2 × polyester pleated filter cassette with insertion rib – IFA (BIA) certified filter according to dust class "H" & HEPA H14 – filter surface: 7600 cm ² (2 × 3800 cm ²) – Material: Polyester with PTFE membrane /fiberglass/polyester – Dust retention capacity: ≥ 99,995 % Deeper and overall fewer pleats increase the volume for dirt collection and the collection efficiency improves. Together with the new membrane material, which reduces the adhesion of dust particles, the HEPA Advanced filters need to be cleaned about 15% less often and therefore the full suction power is available longer.	459264
Polyester – NANO coated class "M" – Dust retention: 99.97 %					
	FKPN 3000 NANO	–	–	– 2 × nano-coated polyester folded filter cassettes with insertion rib – filter material IFA (BIA) tested in accordance with dust class "M" – Filter surface area: 6000 cm ² (2 × 3000 cm ²) – Material: nano-layered polyester – Dust retention capacity: 99.97 % As with folded filter cassette FKP 4300, but with additional nano-coating. Especially suited to fine dusts containing fibre; e.g. when cutting and sanding Fermacell, drywall and MDF boards.* + greater fold distance for better, easier filter cleaning + smooth filter material (nano coated surface) + therefore significantly higher flow volume for a longer time	425740
Folded filter cassette for uClean, HS, GS, eSwift, AS series without vibrator (not suitable for GS 2078/3078)					
	FPP 3200	–	–	– 1 × polyester folded filter cartridge** – Filter surface: 3200 cm ² – Material: polyester – Dust retention capacity: 99.9 % Folded filter cartridge for vacuuming household and industrial dust, sawdust, wood shavings, brick, drilling and milling dust and other similar substances*. Due to double filter surface FP 7200 is suitable for longer working cycles. Only for GS 2078 and GS 3078 PZ!	413525
Folded filter cassette for uClean, HS, GS, eSwift, AS series without vibrator					
Cellulose – Dust retention: 99.9 %					
	FP 3600 FP 7200	– –	– –	– 1 × cellulose folded filter cassette ** – Filter surface area: 3600 cm ² /7200 cm ² – Material: cellulose – Dust retention capacity: 99.9% Folded filter cassette for vacuuming household and industrial dust, sawdust, wood shavings, brick, wall, drilling and milling dust and other similar substances*. Due to the double filter surface, FP 7200 is suitable for longer work cycles. Not for GS 2078/3078 PZ.	411729 413471




	Accessory system mm Ø	Length or Width cm	Special features, material	Order no. EAN 4011240 ...
Polyester – Dust retention: 99.9 %				
	FPP 3600	–	– 1 × polyester folded filter cassette ** – Filter surface area: 3600 cm ² – Material: polyester – Dust retention capacity: 99.9 % Folded filter cassette for vacuuming industrial dust, sawdust, brick, drilling and milling dust and other similar substances*. Suitable for damp dust and liquids (fleece material). Special polyester material with outstanding separation efficiency. Not for GS 2078/3078 PZ.	415109
	FPP 3600 HEPA	–	– 1 × 3-layer pleated filter cartridge ** – Filter surface: 3600 cm ² – Material: 1st layer polyester 2nd layer glass fiber 3rd layer polyester – Dust retention capacity: ≥ 99,995% Material certified to dust class H & HEPA H14	459295
Cellulose – Dust retention: 99.9 %				
	FPN 3600 NANO	–	– 1 × nano-layered polyester folded filter cassette – Filter surface area: 3600 cm ² – Material: cellulose with PET fibres – Dust retention capacity: 99.9 % Nano layered folded filter cassette for vacuuming industrial dust, sawdust, brick, drilling and milling dust and other similar substances*. With double dust intake as FPP 3600. Special NANO coated material. Not for GS 2078/3078 PZ.	400686
Folded filter cassette for uClean, HS, GS, eSwift, AS series without vibrator				
Polyester – Dust retention: 99.9 %				
	FPPR 3600 FPPR 7200	– –	– 1 × polyester folded filter cassette ** – Filter surface area: 3600 cm ² /7200 cm ² – Material: polyester – Dust retention capacity: 99.9 % Folded filter cassette for vacuuming industrial dust, sawdust, brick, drilling and milling dust and other similar substances*. Suitable for damp dust and liquids. Special polyester material with outstanding separation efficiency. Due to the double filter surface, FPPR 7200 is suitable for longer work cycles.	413464 413372
HEPA – Dust retention: 99,995 %				
	FPPR 7200 HEPA	–	– 1 × HEPA folded filter cassette – Material certified to dust class H & HEPA H14 – Filter surface area: 7200 cm ² – Material: 1st layer: polyester; 2nd layer: glass fibre; 3rd layer: polyester – Dust retention capacity: 99.995 % As folded filter cassette FPPR 7200, but with an additional filter layer for separating suspended materials which are not absorbed by the first layer.	414171

		Accessory system mm Ø	Length or Width cm	Special features, material	Order no. EAN 4011240 ...	
Additional filters for use as a pre-filter						
	Cotton wool filter bag					
	FST 3000 K FST 4000 K	– –	– –	for all 20l plastic containers for all 32/45l containers (Material: cotton)	3000 cm ² 4000 cm ²	411743 413280
	Polyester filter bags					
	FSP 3100			for GS 2078 + GS 3078 complete with filter ring and filter insert	3100 cm ²	413501
	FSP 5000	–	–	for all GS/HS 30 - 55l containers (Material: polyester)	4000 cm ²	443522
Special filters						
	Filter for wet vacuuming					
	FSS 1200 Foam filter	–	–	for all uClean, HS, GS, eSwift units for wet vacuuming (not suitable for GS 2078/3078)	1200 cm ²	413297
	FSS 1300 Foam filter	–	–	for all uClean/eSwift/HS/GS/AS devices for water suction (not suitable for GS 2078/3078)	1300 cm ²	453415
	Wet filter bag NFB	–	–	3 bags = 1 set For IS 50l and GS 45l and 55l containers	6500 cm ²	420592
	FNS 80 Wet filter bag Mesh size 80µ					
	Polyamide fabric suitable for water filters included in the scope of delivery of pump vacuum cleaner can be used several times, since it can be washed out					424071
	FNS 1000 Wet filter bag Mesh size 1000µ					
	PET (polyethylene terephthalate) suitable for coarse water filters, e. g. for vacuuming ponds/algae, leaves, etc., can be used several times, since it can be washed out					424569
	WF 3200 Water filter	–	–	Only for GS 2078/3078 can be used for wet vacuuming	432410	



Special accessories

		Accessory system mm Ø	Length or Width cm	Special features, material	Order no. EAN 4011240 ...
eCRAFT series					
	Fleece filter bags - tear-resistant fleece filter material - (5 pieces = 1 set)				
	FBV 22 (5 pcs.)	–	–	only for eCRAFT 1422, PL-1422, APL-1422 Dust class M, IFA certified	454870
	FBV 30 (5 pcs.)	–	–	only for eCRAFT APL-1430 Dust class M, IFA certified	455105
	Polyester – Dust retention: 99.9 %				
	FFP 3400	–	–	– 1 x polyester folded filter cassette ** – Filter surface: 3400 cm ² – Material: Polyester – Dust retention capacity: 99.9	454856
	Suction tube StCr 35-50	35	50	chrome-plated steel, Ø35 mm x 50.5 cm, 1 piece	454825
	Connection sleeve	35	–	Rubber sleeve screwed, for connection to power tools, suitable only for hose 35-250 (454771)	454818
	Hose 35-250	35	250	Ø35 mm x 2.5 m, black, with bayonet connection, only fitting grip tube 35 (454849)	454771
	Handle tube 35	35	–	plastic, without air slide, suitable only for hose 35-250 (454771)	454849
SMART L 18V					
	Pleated filter FFP 3000	–	–	exclusively for SMART vacuum cleaner - dust class "L" - Filter surface 3000 cm ²	459738
	Fleece filter bag FBV 6 (5 pieces)	–	–	Well suited for applications where small amounts of fine dust are generated, exclusively for SMART vacuum cleaners	459721
	Suction tube 32-35 (1 piece)	35	32	plastic, can be plugged together	459707
	Hose AS 32-280, Quix	32	50 -280	plastic, antistatic, length flexible 50 cm -280 cm, compatible with any Quix accessory, exclusively for SMART vacuum cleaner	459677
	Tool sleeve AS 28/35, Quix (anti static)	35	28	plastic with rubber connector, antistatic, for connection to power tools, compatible only with all QUIX hoses	459875
	Handle tube Softgrip AS, Quix (anti static)	35	–	plastic with softgrip, antistatic, with secondary air slide, suitable only for all QUIX hoses	459868






		Accessory system mm Ø	Length or Width cm	Special features, material	Order no. EAN 4011240 ...
QUADRIX L 18 V					
	Fleece filter bag – (5 pcs. = 1 set) FBV 7,5 (5 Pack)	–	–	only for cordless vacuum cleaner QUADRIX L 18V Well suited for applications where small amounts of fine dust are produced	448794
	Folded filter FF 3800	–	–	Only for cordless vacuum cleaner QUADRIX L 18V (1 pcs./carton) – Material: cellulose – Dust class „L“	448800
	Schlauch 27 - 300 (f. Quadrix)	27	300	Suction hose Ø 27 mm 3m, black with rotatable connection sleeve (Outer Ø 35 mm / Inner Ø 25 mm), only for QUADRIX L 18V	448787
Industrial vacuum cleaner Oil and Metal/ ATEX Zone 22					
	Folded filter cartridge FP 8500 H14	–	20	only for GS H-1150 ATEX Zone 22: Folded filter cartridge H14, glass fibre, filter surface 8,500 cm ² , L 200 mm Ø 120 mm.	455808
	Folded filter cartridge FPP 5000	–	–	only for GS 2450 Oil & Metal: Micro filter cartridge, complete with cover, dust class M, filter surface 5.000 cm ² , suitable for oil mist and dirty water, washable	455815
	Polyester filter bag FSP 12000 M	–	–	only for GS H-1150 ATEX Zone 22: Polyester needle felt with antistatic PUR membrane, dust class M, filter surface 12,000 cm ² , 14 pockets, Ø 390 mm. For the extraction of dusts that can become electrostatically charged. Food-safe - especially suitable for use in sensitive areas, e.g. pharmaceutical and food production	455822
	PE emptying and disposal bag FBPE 50 (10 pack)	–	52	only for GS H-1150 ATEX Zone 22: Polyethylene emptying bag for the dust-free disposal of dusts of dust class M and H, black, tear-resistant high quality (film thickness 150µm), electrically conductive, Ø390mm, 520mm headroom	455839
	MR machine cleaning set	40	–	only for GS H-1150 ATEX Zone 22 and GS 2450 Oil & Metal: Machine cleaning set Ø 40 mm: optimal for cleaning production machines, completely antistatic. Consisting of rubber mass suction nozzle, inclined pipe rubber nozzle, pointed rubber nozzle	455716
	Alu-Profi floor nozzle 37	40	37	only for GS H-1150 ATEX Zone 22 and GS 2450 Oil & Metal Aluminium floor nozzle with rollers and with brush strips, Ø 40 mm, width 37 cm. Robust aluminium nozzle body with electrically conductive connection pipe.	455792
	Joint nozzle 24	40	24	only for GS 2450 Oil & Metal: For cleaning small and difficult to access spaces and surfaces, material PP, Ø 40 mm x 240 mm	455723
	Handle tube St.Cr. 40	40	–	only for GS H-1150 ATEX Zone 22 and GS 2450 Oil & Metal: Chrome-plated steel grip tube, Ø 40 mm.	455785





		Accessory system mm Ø	Length or Width cm	Special features, material	Order no. EAN 4011240 ...
	Suction tube St.Cr.40 - 50	40	50	only for GS H-1150 ATEX Zone 22 and GS 2450 Oil & Metal: Suction tube steel chrome-plated, 1 piece, Ø 40 mm x 50 cm.	455778
	Hose PUR EL 40-500	40	500	only for GS 2450 Oil & Metal: PUR hose antistatic Ø 40 mm x 3,5m or 5m with connection sleeves. Hose material: Polyurethane (PUR). Reinforced by integrated steel spiral. Oil resistant, very stable and suitable for abrasive dusts. Heat resistant up to 125°C. Best suitable material for extreme industrial use.	455730
	Hose PUR EL 40-350	40	350		455747
	Hose EL 40-500	40	500	only for GS H-1150 ATEX Zone 22: Superflex hose antistatic Ø 40 mm x 3,5m or 5m with connection sleeves. Hose material made of polypropylene (PP), thread-reinforced and spiral supported. Especially light and flexible even over longer distances. Best suitable material for industrial use.	455754
	Hose EL 40-350	40	350		455761

Pump vacuum cleaner










	GEKA-C-coupling			for fire service C-hose	424187
	Drain hose red 33-1000 rot	33	1000	for disposal of the dirty water vacuumed up	411316

TS series

	Fleece filter bag, triple-layered – IFA (BIA) tested/ dust class "M" – (10 pieces = 1 set)				
	FBV 11/14 HEPA (10 pcs.)	–	–	only for dry vacuum cleaner TS 714 RTS HEPA, TS 711 BASIC and TS 1214, 5-layered tearprooven fleece filter material – HEPA filter quality H13 – ideal for people who are allergic to house dust – Dust retention capacity: 99.95 %	444154
	Filter basket				
	Fleece filter basket TS	–	–	for dry vacuum cleaner TS 714 RTS HEPA und TS 1214 RTS	436135
	Filter for dry vacuuming				
	TS EPA E 12 Cassette filter	–	–	for dry vacuum cleaner TS 714 RTS HEPA, also suitable for TS 1214	436449
	Professional universal nozzle 27 TS reversible	32	27	Plastic, can be switched to brush insert. Usable with accessories for dry vacuum cleaner TS 714 and TS 1214 RTS only.	426402
	Universal nozzle 28 TS	32	28	for dry vacuum cleaner TS 711, suitable also for TS 714 and TS 1214	446202

		Accessory system mm Ø	Length or Width cm	Special features, material	Order no. EAN 4011240 ...
	Crevice nozzle 23 TS	32	23	for dry vacuum cleaner TS 714 RTS HEPA and TS 1214 RTS	436388
	Upholstery nozzle 10 TS	35	12	or dry vacuum cleaner TS 714, also suitable for TS 1214	436418
	Suction tube, aluminium 32-50 TS	32	50	or dry vacuum cleaner TS 714 und TS 1214	436425
	Suction hose 32-250 TS (incl. handle)	32	250	Suitable for dry vacuum cleaner TS 711 BASIC, TS 714 RTS HEPA and TS 1214 RTS	436326

Optional accessories






Floor nozzles					
	Universal nozzle 25 reversible	35	25	Plastic, can be switched to brush insert, floor side made of plastic	414447
	Floor nozzle 26	35	26	Plastic, floor nozzle complete with 3 inserts (hard-floor insert, water insert, carpet insert)	434773
	Hard-floor insert 26	–	26	plastic, with 2 brush strips	414478
	Water insert 26	–	26	plastic, with 1 × rubber and 1 × brush strip	414485
	Dust nozzle 26	35	26	Plastic, floor nozzle with hard-floor insert (2 brush strips)	440927
	Hard-floor insert 26	–	26	plastic, with 2 brush strips	414478
	Water nozzle 26	35	26	Plastic, floor nozzle with water insert (1 × rubber and 1 × brush strip)	440934
	Water insert 26	–	26	plastic, with 1 × rubber and 1 × brush strip	414485
	Professional universal nozzle 29 reversible	35	29	Plastic, can be switched to brush insert, with large roller Floor side made of metal	414454
	Floor nozzle 37	35	37	Plastic, floor nozzle complete with all 3 inserts (hard-floor insert with 2 brush strips and rollers, water insert with 2 rubber strips and rollers, carpet insert with plastic fluted profile)	402413
	Dust nozzle 37	35	37	Plastic, floor nozzle with hard-floor insert (2 brush strips and rollers)	414706
	Hard-floor insert 37	–	–	Plastic with 2 brush strips and rollers	414539
	Water nozzle 37	35	37	Plastic, floor nozzle with water insert (2 rubber strips and rollers)	414713
	Water insert 37	–	–	Plastic, with 2 rubber strips and rollers	414546
	Aluminium professional floor nozzle 45	35	45	Aluminium, complete with 2 brush strips and 2 rubber strips, rollers	416106

		Accessory system mm Ø	Length or Width cm	Special features, material	Order no. EAN 4011240 ...
	Professional floor nozzle 45	35	45	Plastic/aluminium, complete with 2 brush strips and 2 rubber strips, rollers	416519
	Coarse dirt floor nozzle 36	49	36	Plastic, with 2 brush strips	416731
	Floor nozzle 30	35	30	Plastic, according to the regulations of BG Bau, Dimensions of suction intake: 28 × 70 mm	440941
Special nozzles/brushes					
	Crevice nozzle 22	35	22	Plastic	417011
	Crevice nozzle 37	35	37	Plastic	417028
	Crevice nozzle 25	35	25	Steel	417035
	Crevice nozzle coarse dirt 16	49	16	Plastic	417639
	Coarse dirt nozzle	49	19	Plastic	417943
	Scratching nozzle, angled	35	48	Steel, for cleaning heating boilers	417950
	Scratching nozzle, straight	35	48	Steel, for cleaning heating boilers	418025
	Suction brush, round	35	–	Plastic, round Ø 7.5 cm	418032
	Suction brush	35	23	Plastic	418407
	Upholstery nozzle	35	12	Plastic, with thread lifter	418452
	Radiator brush	–	–	Plastic Only to be used with crevice nozzles no. 417028	419794
Griffrohre					
	Tube handle ES 35 with NL	35	33	Stainless steel, with supplementary air slide for hose with tapered connection	421445
	Tube handle 35 with NL	35	30	Plastic, with supplementary air slide for hose with tapered connection	424804

		Accessory system mm Ø	Length or Width cm	Special features, material	Order no. EAN 4011240 ...
Saugrohre					
	Suction tube ES 35 – 50	35	50	Stainless steel, with click-in lock, intermateable suitable for all vacuum cleaners, tubes and accessories with Ø 35 mm Plastic, grooved	424842
	Suction tube 35 – 50	35	50		424859
	Telescopic tube	35	57/95	Stainless steel, infinitely extendable from 57 – 95 cm, with click-in lock	425573
	Suction tube 49-48 coarse dirt	49	48	Plastic, intermateable	425610
Adapters					
	Adapter 49/35	49/35	14.0	Plastic, from 49 to 35 mm connection system	425641
	Hose connector 49	49	8.5	Plastic, for connecting 2 × 49 mm suction hoses; only in conjunction with tube connection no. 583723	425658
	Y-double connection	35/49	16.0	Plastic, with bayonet connection for the connection of 2 starmix suction hoses, suitable for starmix accessories system Ø 35 mm and Ø 49 mm	425689
Hose connecting sleeves/tool adapters					
	Rubber nozzle	35	23	Rubber, cone for connection with electric power tools, tapering from 28.0 - 38.0 mm outer ø	425696
	Rubber nozzle oil-resistant	35	20	Rubber, oil-resistant cone with connection with electric power tools, tapering from 28.0 - 38.0 mm outer ø	425702
	Connection sleeve stepped	35	11	Rubber, cone for connection with electric power tools, electrically conductive 1st step: 25.5 - 26.5 mm 2nd step: 30.5 - 32.5 mm 3rd step: 36.0 - 38.0 mm	425719
	Connection sleeve rotatable	35	11	Rubber, cone for connection with electric power tools, electrically conductive, also for oval tubes 36.5 - 37.0 mm outer ø	425726
	Connection sleeve 44	35	11	37.0 mm inner ø 44.0 mm outer ø Rubber, cone for connection with electric power tools, electrically conductive, also for oval tubes single-stage	508580

		Accessory system mm Ø	Length or Width cm	Special features, material	Order no. EAN 4011240 ...
Suction hoses					
Electrically conductive					
	Suction hose AS 27 - 500	27	400	Pipe connection rotatable with connection sleeve (stepped) for connection to electric power tools, as no. 425719 bayonet connection rotatable can only be ordered together	417165
	Suction hose AS 35 - 320 (black) - Discontinued item -	35	320	Pipe connection, rotatable for stainless steel tube handle bayonet connection rigid, abrasion-proof	414164
	Suction hose AS 35 - 500 (black) with red air slide	35	500	Suction hose with pipe connection with red air slide to adjust suction performance	447162
Normal type					
	Suction hose 27 - 500	27	500	Pipe connection rotatable with connection sleeve (rotatable) for connection to electric power tools, as no. 425719 bayonet connection rigid can only be ordered together	417158
	Suction hose 32-320 with bent handle tube and secondary air slide	32	320		453217
	Suction hose 35 - 175 (black)	35	175	Both connections rigid – intermateable and extendable	411507
	Suction hose 35 - 320	35	320	Grey – both connections rotatable – can be pushed together and extended	413228
	Suction hose 35-500 with red air slide	35	500	Suction hose with pipe connection with red air slide to adjust suction performance	447193
	Suction hose 35 - 500 (signal red) with red air slide	35	500	Suction hose with pipe connection with red air slide to adjust suction performance	447179
	Bayonet connection 35 rotatable	35	–	Plastic, rotatable, break-proof, electrically conductive	426594
	Pipe connection 35 with red air slide, rotatable	35	–	Pipe connection EL with red air slide to adjust suction performance	447186
	Hose connector old 35 rotatable	35	-	Plastic, rotatable – usable for all 35 mm suction hoses, can be connected to older containers without bajonet system	421537
	Hose 49 – 175 Hose 49 – 300 Hose 49 – 500 Hose 49 – 300 oil-resistant	49 49 49 49	175 300 500 300	Grey – both connections rigid Grey – both connections rigid Grey – both connections rigid Grey – both connections rigid, oil-resistant	414256 414225 415758 414201
	Bayonet connection 49 rigid	49	–	Plastic, rigid	529752
	Pipe connection 49 rigid	49	–	Plastic, rigid can be connected to older tanks without bayonet connection	583723

Accessories for cordless devices

		Accessory system mm Ø	Length or Width cm	Special features, material	Order no. EAN 4011240 ...
Battery packs					
	Akkupack Li-Power 18V 5.2 Ah  - Auslaufartikel -	-	-	Li-Power-Akkupack 18V 5.2 Ah für QUADRIX-Sauger L 18V, intelligentes Batteriemangement für lange Lebensdauer, kein Memoryeffekt, CAS-kompatibel d.h. passt herstellerübergreifend auf alle Akku-Geräte/-Tools mit dem Logo CAS	448824
	Akkupack Li-Power 18V 5.2 Ah 	-	-	Li-Power-Akkupack 18V 5.2 Ah für QUADRIX- und SMART-Sauger, intelligentes Batteriemangement für lange Lebensdauer, kein Memoryeffekt, CAS-kompatibel d.h. passt herstellerübergreifend auf alle Akku-Geräte/-Tools mit dem Logo CAS Neuer kompakterer und robusterer Li-Power Akkupack, besser sichtbare Kapazitätsanzeige und Gummierung für rutschsicheren Stand und Kratz-Schutz für empfindliche Flächen beim Abstellen, leistungsmäßig gleich wie bisher.	459745
	Battery pack Li-Power 18V 10.0 Ah 	-	-	for BATRIX and Quadrix vacuum cleaners, intelligent battery management for long service life, no memory effect, CAS-compatible i.e. fits all battery-powered devices/tools with the CAS logo	457031
Battery charger					
	Standard charger ASC 55 	-	-	Standard charger ASC 55 is suitable for charging starmix and CAS Li-ion battery packs (Cordless Alliance System). According to the imprint 12 - 36 V, 1.3-10.0 Ah, 3-10 cells	448848
	Quick charger ASC 145 (for Li-Ion batteries 12-36V), EU plug 	-	-	For charging all Li-Ion and Li-HD sliding seat battery packs (12 V-36 V), patented "AIR COOLED" charging technology: battery cooling during charging for significantly reduced charging times, very low stand-by power consumption, processor-controlled charge management for gentle charging and maximum number of charging cycles, is suitable for charging Starmix and CAS (Cordless Alliance System) battery packs.	448855
	Double fast charger ASC 145 DUO(f. batteries 12-36V) 	-	-	For simultaneous charging of 2 Li-Ion or Li-HD sliding seat battery packs (12 V-36 V), patented "AIR COOLED" charging technology: battery cooling significantly reduces charging time, low stand-by power consumption, processor-controlled charging management for gentle charging and maximum number of charging cycles, suitable for charging Starmix and CAS battery packs.	458991



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Certification marks

Erklärung der Prüfzeichen	
	VDE mark (Verband der Elektrotechnik, Elektronik, Informationstechnik). The VDE indicates the safety of the product with regard to electrical, mechanical, thermal, toxic, radiological and other dangers.
	Certified safety. Equipment must satisfy the generally approved practices of engineering and conform to the Equipment Safety Act.
	The VDE test seal for electromagnetic compatibility.
	Insulated housing (Protection Class II). The unit does not require a protective earth.
	Intertek is a worldwide leading company when it comes to testing, inspecting and certifying electric and gas-powered products.
	Protection against the penetration of foreign bodies $\varnothing > 12$ mm. Protection against sprayed water from all directions.
	Eurasian Conformity: devices are approved for sale in the Eurasian Economic Union (EAEU)
	With the CE mark (Conformité Européenne) the manufacturer confirms the conformity of the product with the applicable EC directive and compliance with the stipulated "essential requirements.
	Sound measured in accordance with DIN EN 60704-1 and DIN EN 60704-2-1 (standardised survey method).

PROMOTION

Sales promotion

Further information on the sales promotion measures can be found in the separate "Sales promotion" leaflet.
Please contact us under infoe@starmix.de.

Note DSGVO:

Printed links and QR codes are forwarded to the starmix website and partly to the website of third party providers (eg youtube). The links were checked and classified as harmless at the time of catalog printing. Further information under www.starmix.de/en/data-protection

GET YOUR STAR



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