

FLEX Giraffe®

Wall and ceiling sanding systems

FLEX



FLEX Giraffe®

Globally the No. 1 for wall and ceiling sanding systems



The work of painters, drywall constructors, plastering specialists and many other trades was revolutionised with the introduction by FLEX of the first Giraffe® WS 702 VEA long-neck sander for wall and ceiling working in Europe in 1997. The FLEX Giraffe® is the world's most widely-sold long-neck sander. The reliable and proven Giraffe® WS 702 VEA was followed by the innovative and unique Giraffe® WSE 500. Along with an increase in the power rating to 500 watt, above all the service life and quality of the machine have been significantly increased.




With the innovative and unique Vario-Giraffe® WST 700 VV for the first time a long-neck sander is available that can „stretch“ and that is equipped with a unique interchangeable head system. Along with sanding large surfaces, the innovative triangular sanding head has now also made it possible to seamlessly sand up to edges and into corners. Without the need for a ladder or scaffolding. This allows for a direct finish of the corners and edges.

The Concrete-Giraffe® WST 1000 FV is the result of consequently adapting the technology of the successful long-neck sander to work on concrete, plaster, paint coatings, screeds, both natural and artificial stone, tile adhesives and many other materials on walls and ceilings. FLEX now has a unique family of long-neck sanders which can deal with practically all the requirements placed. An insight is provided on the following pages into the numerous applications for FLEX Giraffe® sanders.





| |  Classic-Giraffe® WSE 500 |  Vario-Giraffe® WST 700 W |  Vario-Giraffe® WST 700 W Plus |  Concrete-Giraffe® WST 1000 FV |
|--|--|---|---|---|
| Extendable | - | • | • | • |
| Tool-free sanding head change-over | - | • | • | • |
| Sanding head round Ø 225 mm | • | • | • | - |
| Sanding head triangular | - | ◦ | • | - |
| Sanding head for diamond discs | - | - | - | • |
| Velcro backing pad soft | • | • | • | - |
| Velcro backing pad medium | ◦ | ◦ | ◦ | - |
| Velcro backing pad hard | ◦ | ◦ | ◦ | - |
| 4 m suction hose, antistatic | • ◦ | • ◦ | • ◦ | • ◦ |
| Storage and stacking system for extraction systems | - | ◦ | ◦ | ◦ |
| Carrier case | • ◦ | • | • | • |

NOVELTY

- Standard equipment
- available as an accessory
- not available

Classic-Giraffe® WSE 500

NOVELTY

The proven long-neck sander now even better.

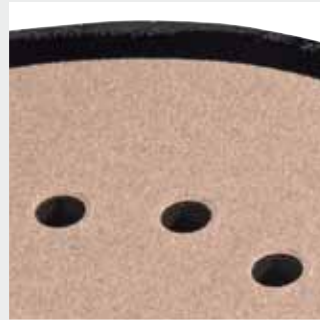
With the new Classic-Giraffe® WSE 500, the proven Giraffe® WS 702 VEA has been logically further developed. Along with an increase in the motor power rating to 500 watt for a high removal rate, all components have been further developed for robustness and long service life. The proven universal-joint-mounted sanding head is equipped with a new backing pad with 10-hole extraction. The backing pad is available in three hardness grades. In conjunction with FLEX safety vacuum cleaners the FLEX extraction system of course ensures an almost dust-free working environment.



③ Super soft sanding pad with perforation for dust extraction (on the standard equipment). Ideal for finishing surfaces. The soft sanding pad acts as an additional cushion and replaces the elaborate mat under conventional sanding discs. This feature saves costs for sanding discs.



④ The spring-mounted brush ring on the extraction hood prevents unintentional scoring on placing in contact. The flexible brush ring ensures optimal dust extraction.



The extraction between the brush ring and the 10-hole extraction prevents the abrasive clogging quickly and permits dust-free, healthy working.



⑤ Robust joint between support pipe and oval pipe with sleeve fastening for high stability.

③ Three backing pads with velcro system are available:

The very flexible „soft backing pad“ (on the standard equipment) permits sensitive working and as a result avoids undesirable sanding marks. For higher removal rates during rough sanding, the „medium backing pad“ and „hard backing pad“ are available with different hardnesses.

② Reliable power transmission and high flexibility due to the flexible drive shaft from the motor to the sanding disc. Decades of proven „FLEX technology“. Due to this design principle the weight at the head of the Giraffe is reduced to a minimum. This feature eases handling.



① The universal-joint-mounted sanding head ensures high flexibility and optimal adaptation on sanding walls and ceilings.



⑧ The oval guide tube and the optimally positioned motor make it easier to handle and guide the machine.



⑥ Powerful 500 watt motor with overload protection and controlled constant speed.



⑦ Large extraction cross-section, securely and quickly connected using the FLEX clip system. No adapter or reducer sleeve required.



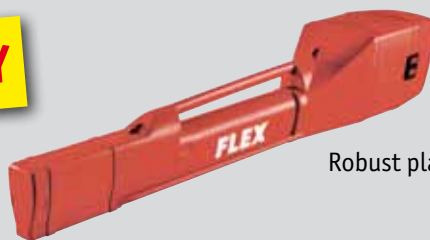
⑨ Regulated rotational speed for the right sanding speed.



⑩ Dust and knock-protected on/off switch.



NOVELTY



Robust plastic carry case for WSE 500.



Easy and convenient opening and closing of the carry case.



The carry case also has additional space for up to four packets of FLEX abrasives.



An additional handle (accessory) can be conveniently stowed in the robust lid.

The new carry case can be laid down and, above all, stood up to save space. The Classic-Giraffe® does not need to be assembled, it is immediately ready for use.



Classic-Giraffe® WSE 500

Reliable and powerful.

NOVELTY



In the past a ladder was necessary. Now the Classic-Giraffe® from FLEX is used for this task. Work is significantly quicker and cleaner thanks to dust extraction, and above all with better results. The extraordinary qualities of the world's best-selling long-neck sander Giraffe® have become widely known in the meantime. Irrespective of whether the issue is sanding plasterboard, polystyrene panels for heat insulation or preparation for painting – the Classic-Giraffe® has become an indispensable, reliable and proven problem solver for every decorator and plasterer. The long-neck sander from FLEX has revolutionised wall and ceiling sanding during dry lining and the preparation of surfaces.



The WSE 500 with velcro abrasive SELECT P16 is particularly suitable for roughening wallpapered surfaces (for example ingrain wallpaper) for the quick absorption of wallpaper stripper, as well as for sanding surfaces (SELECT P120-P180) with wallpaper residue. During this process the surface is treated with particular care.



Using the WSE 500, adhesive residue on polystyrene panels can be removed effortlessly and cleanly during thermal insulation work.



Dry lining without the FLEX Giraffe® is now un conceivable. With the new WSE 500 and the appropriate FLEX abrasive, all quality stages from the simple surface (Q1) to the premium surface (Q4) can be sanded.

Classic-Giraffe® WSE 500

NOVELTY

Innovative long-neck sander.



WSE 500

Long-neck sander Classic-Giraffe®

- QP electronic control: with constant speed control and speed preselection with ad-justing wheel
- Dust extraction system with FLEX clip-on system: brush ring on the sanding head; connector for a FLEX safety vacuum cleaner at the rear end of the guide tube
- The sanding head has spring suspension. As such, the sanding head adjusts itself perfectly to all unevenness. This ensures for a gentle surface contact and also stops dust escaping
- Effective dust extraction from between the brush ring and the sanding pad (round) and through the 10-hole extraction ports pre-vents premature clogging of the abrasive and promotes a healthy, dust-free working environment
- Velcro adapter: large surface, cushioned
- Easy guiding: by optimal balance between motor and sanding head
- The universal-joint-mounted sanding head and soft backing pad prevent grooving and scrat-ching and ensures a perfect finish
- Ideally suited for sanding plaster boards, solid styropor insulation slabs, preparation for painting, polishing.



SPECIFICATIONS

| | |
|-----------------|---------------|
| Power input | 500 watt |
| Power output | 270 watt |
| No load speed | 1000-1650 rpm |
| Grinding disc Ø | 225 mm |
| Length | 1580 mm |
| Weight | 4.8 kg |

| Type | Order no. |
|---|-----------|
| WSE 500 | 376.035 |
| WSE 500 carry case | 373.192 |
| WSE 500, Kit + suction hose, antistatic | 373.664 |
| WSE 500 carry case, Kit + suction hose, antistatic | 373.672 |

Standard equipment WSE 500:

- 1 backing pad soft
- 1 FLEX clip-on connection
- 1 hexagon socket screw key, special tool 5
- 1 brush ring
- 1 soft sanding pad
- Velcro backed abrasive paper Select, 1 x P 60, 80, 100, 220
- 3 velcro cable clips

Standard equipment WSE 500 carry case:
see WSE 500
1 carry case



WSE 500, Kit suction hose

WSE 500 carry case, Kit suction hose



Accessories

Velcro backing pad Ø 225, round



Soft. Highly flexible backing pad. Facilitates handling and allows for sensitive working. Prevents damage (swirl marks) when the pad touches the surface. For use with velcro backed abrasives.

| | QP | Order No. |
|------|----|-----------|
| soft | 1 | 366.862 |

Medium backing pad for sanding down soft fillers. Velcro system for fixing of abrasives.

| | QP | Order No. |
|--------|----|-----------|
| medium | 1 | 352.306 |

Hard backing pad with high removal rate, with use with velcro backed abrasives.

| | QP | Order No. |
|------|----|-----------|
| hard | 1 | 350.362 |

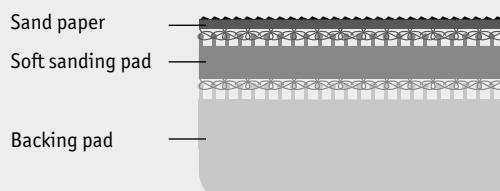
Soft sanding pad Ø 225, round



Soft sanding pad between grinding pad and abrasive paper. Ideal for finishing surfaces. Improves the dust extractor action and lengthens the service life of the sanding disks.

Recommendation: work with soft sanding pad for in-between and final sanding involving finer grain. Do not work with soft sand pad for rough sanding involving coarse grain and when using sanding fleece.

| | QP | Order no. |
|--|----|-----------|
| | 2 | 377.848 |



Brush ring



Stops any unintentional roughening of the surface and ensures an optimal material removal.

| Dimensions in mm | QP | Order no. |
|------------------|----|-----------|
| Ø 225 mm | 1 | 376.248 |

Carry case



For properly transporting Giraffe® WSE 500 and WS 702 VEA as well as abrasives. With storage space for auxiliary handle and abrasives in the lid. Case can be stored horizontally or vertically.

| | QP | Order no. |
|--|----|-----------|
| | 1 | 365.327 |

Hexagon socket wrench, SW 5



For changing the backing pads.

| | QP | Order no. |
|--|----|-----------|
| | 1 | 115.460 |

Cable dips (velcro tape)



| | QP | Order no. |
|--|----|-----------|
| | 3 | 364.169 |

Bail handle



For effortless working in difficult positions (e.g. overhead work).

| | QP | Order no. |
|--|----|-----------|
| | 1 | 301.825 |

Antistatic vacuum hose



4 m vacuum hose, 32 mm Ø with positive-lock connector and vac connection, antistatic.

| | QP | Order no. |
|--|----|-----------|
| | 1 | 354.953 |

Adapter



Suitable for vacuum hose with FLEX clip-system. Antistatic equipment. For WSE 500 and WS 702 VEA.

| | QP | Order no. |
|--|----|-----------|
| | 1 | 364.460 |

Vario-Giraffe® WST 700 VV

Clever yet simple. The Vario-Giraffe® WST 700 VV now takes care of every wish.



Excellent innovation

Handy and easy to extend, exchange function for round and triangular sanding heads, a great variety of grip possibilities for optimum balance of the tool and the excellent FLEX performance and quality. It makes no difference how you get hold of the Vario-Giraffe® – you will always find that ideal holding position for comfortable fatigue-free working. The uniform distribution of weight and centrally positioned motor guarantees that the Vario-Giraffe® is always optimally balanced. This minimizes any top-heaviness when sanding and it considerably facilitates the work. The ergonomic design and numerous gripping possibilities allows you to hold the tool in the most comfortable positions.

Round sanding head

The round sanding head is optimally suited for sanding large areas at high removal rates both quickly and effectively. The soft backing pad prevents grooves or swirls from developing. And of course our extraction system makes sure that the working environment stays practically dust-free. In conjunction with the right FLEX abrasives the application range is practically unlimited.

Triangular sanding head

Workflows are perfected by the innovative triangular sanding head. Manual refinishing or refinishing with a handheld random orbital sander is not required. The sander head is exchanged with a simple hand movement and corner and edge working can be carried out immediately. With the eccentric movement of the grinding pad reaching up to the rim of the sander head, seamless working of edges and corners is guaranteed. Thanks to the 360° rotating sanding head, the Vario-Giraffe® can be easily directed around corners.

Naturally the accustomed vacuum power stays the same. FLEX vacuum cleaners provide you with the optimum complementation for healthy and dust-free working. You will, of course, find the right abrasives in the FLEX accessories range.



product
design
award

2010

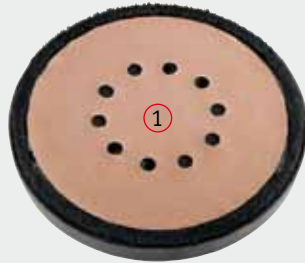


Designpreis
Deutschland
2011

NOMINIERT



Focus Open
Silber 2009



① Extraction between brush ring and the 10-hole extraction system stops the abrasive from clogging and allows work to be done in a dust-free and healthy environment.

The brush ring is spring mounted. Allowing the sanding head to adjust itself perfectly to all unevenness. This allows for a sensitive surface contact.

② Easy, tool-free exchange of the round and triangular heads

③ The flexible suction hose makes it easy to evenly set down the sanding head. This prevents grooves and swirls.

④ The joint rotates horizontally. This both facilitates guiding and surface contact so that no grooves form.

⑤ Sturdy universal joint. Top-quality dust sealing of the bearing for a long service life.

⑥ Easy-to-operate telescope lock. Open lever - pull out handle - close lever

⑦ Additional handle for an ideal balance for work undertaken directly in front of one's body.

⑧ Powerful 710 watt motor.

⑨ Dust and impact-protected on/off switch.

⑩ In addition to its ergonomic handgrip the Vario-Giraffe® provides numerous gripping positions for a perfect balance

⑪ Handle can be rotated 360°. Telescopic from 133-173 cm.



Simply release the telescopic grip lock. Extend to the required length and lock.



The ergonomically shaped T-handle gives additional hold when sanding ceilings.



Adjustable locking screw for telescopic extension.



The articulating sanding head can be adjusted to every tilt and angle.



When resting the Vario-Giraffe®, the long handle protects the hose from kinking.



The innovative interchangeable heads are attached and removed with a click.



Snap coupling for the suction hose with swivel.



Variable speed control for optimum sanding on various surfaces.

Flat surfaces or corners?

Using the Vario-Giraffe® you always have the right solution.

Triangular sander head

Edges and corners can be worked with the aid of the new interchangeable orbital triangular sander head. As a result additional manual finishing is not required. The triangular sander head, which can be rotated 360°, permits seamless sanding in all positions. Even in the smallest corners and angles, the Vario-Giraffe® WST 700 VV Plus is always at home and impresses with a perfect result. The highly effective dust extraction is via the 12-hole extraction system. As on the round sanding head you will also find the appropriate abrasive for the triangular sanding head in the FLEX range of accessories.



Round sanding head

If high performance on large surface areas is required, the round sanding head is the ideal solution. The high removal rate and the effective dust removal ensure fast progress. Whether the issue is roughening wallpapered surfaces, roughening polystyrene panels during thermal insulation work, sanding down skimmed surfaces, or even the fine sanding of marble and smoothing plasters, the Vario-Giraffe® with the round sanding head achieves impressive results. With the appropriate abrasive from the FLEX range of accessories, you can cover almost all applications.





The FLEX abrasive range is specially adapted to Vario-Giraffe®. FLEX provides an extensive range of abrasives for various applications. A particular feature of FLEX abrasives are their high removal rates and long service lives. This ensures economic working coupled with qualitatively high-grade results.



SELECT, the FLEX heavy-duty abrasive, is particularly suitable for soft filler materials with a high filler share. The corundum abrasive grain with open coating ensures a high removal rate. The high-grade white corundum and synthetic resin binding ensure a long service life.



Another feature of the FLEX SELECT abrasive is its low clogging property. The stable carrier material ensures a high degree of edge stability and tearing strength. The central perforation and edge extraction give rise to a significantly more effective dust extraction - the removal rate is also raised as a result.



An absolute highlight is the carrier material of the SELECT velcro abrasive. The F paper with a 300 g/m² weight per unit area bestows a unique edge stability on the abrasive sheets. This is exclusive to FLEX.



The SELECT P 16 velcro abrasive is particularly suitable for roughening wallpapered surfaces (or ingrain wallpaper) for quickly absorbing wallpaper stripper.



The SELECT P 150 to P 220 velcro abrasive is ideal for preparing high-grade surfaces (filler techniques). The FLEX Superfinishing pads are ideal all the way from polishing marble and smoothing plaster to high-gloss finish.

Vario-Giraffe®

Innovative long-neck sander.



WST 700 VV

Vario-Giraffe® wall and ceiling sander

- VV electronic control: controlled constant speed, soft-start, overload protection and speed selection with adjuster wheel
- Using a unique telescopic system, the Vario-Giraffe® adapts to your needs. Length adjustable from 1330 mm - 1730 mm. Open telescope lock lever, pull out handle and close lever. Handle rotates through 360°
- Adjustable locking screw for telescopic extension
- Ergonomic design with many different handling possibilities for fatigue-free working. The motor is always kept between the gripping positions, ensuring a perfect balance
- With round sanding head that can be exchanged with just a click
- Backing pad with hook and loop face
- Vacuum cleaning system: guard with a brush ring, flexible suction hose from the sanding head to the guide tube. Connection facility at the rear of the telescopic tube for FLEX industrial vacuum cleaner
- The brush ring is spring-mounted so that the round sanding head accurately follows all uneven contours. This allows the head to be applied with fingertip precision and also prevents any dust escaping
- Effective dust extraction from between the brush ring and the sanding pad (round) and through the 10-hole extraction ports prevents premature clogging of the abrasive and promotes a healthy, dust-free working environment
- The articulating sanding head can be adjusted to every tilt and angle.
- Ideally suited for sanding plaster boards, solid styropor insulation slabs, preparation for painting, polishing.



SPECIFICATIONS

| | |
|------------------|----------------------|
| Power input | 710 watt |
| Power output | 420 watt |
| No load speed | 1000-1500 rpm |
| Grinding disc Ø | 225 mm |
| Dimensions in mm | 1330-1730 |
| Weight | 4.8 kg |

Type

| Type | Order no. |
|------------------------------------|----------------|
| WST 700 VV without suction hose | 378.127 |
| WST 700 VV with suction hose | 350.311 |

Standard equipment 378.127:

Round sanding head with velcro backing soft
Velcro packed abrasive paper Select round, 1 x P 60, P 80, P 100, P 220
1 soft sanding pad
1 Hexagon socket wrench, SW 5
Padded carry case

Additional included in 350.311:

Antistatic suction hose 32 mm Ø x 4 m with snap coupling and coupling bush for vacuum cleaner



WST 700 VV Plus

Vario-Giraffe® wall and ceiling sander

- VV electronic control: controlled constant speed, soft-start, overload protection and speed selection with adjuster wheel
- Using a unique telescopic system, the Vario-Giraffe® adapts to your needs. Length adjustable from 1330 mm - 1730 mm. Open telescope lock lever, pull out handle and close lever. Handle rotates through 360°
- Adjustable locking screw for telescopic extension
- Ergonomic design with many different handling possibilities for fatigue-free working. The motor is always kept between the gripping positions, ensuring a perfect balance
- Fitted with interchangeable heads that are attached and removed with a click.
- Including triangular sanding head. This is optimally suited to sanding corners and edges. The random orbital movement of the sanding head takes the abrasive right up to the edges
- Backing pad with hook and loop face
- The articulating sanding head can be adjusted to every tilt and angle.
- Vacuum cleaning system: guard with a brush ring, flexible suction hose from the sanding head to the guide tube. Connection facility at the rear of the telescopic tube for FLEX industrial vacuum cleaner
- Effective dust extraction from between the brush ring and the sanding pad (round) and through the 10-hole extraction ports prevents premature clogging of the abrasive and promotes a healthy, dust-free working environment
- The brush ring is spring-mounted so that the round sanding head accurately follows all uneven contours. This allows the head to be applied with fingertip precision and also prevents any dust escaping
- Ideally suited for sanding plaster boards, solid styropor insulation slabs, preparation for painting, polishing.



SPECIFICATIONS

| | |
|----------------------------|----------------------|
| Power input | 710 watt |
| Power output | 420 watt |
| No load speed | 1000-1500 rpm |
| No load speed Eckschleifer | 3000-4500 rpm |
| Schleifscheiben-Ø | 225 mm |
| Dimensions in mm | 1330-1730 |
| Weight | 4.8 kg |

Type

| Type | Order no. |
|---|----------------|
| WST 700 VV Plus without suction hose | 374.547 |
| WST 700 VV Plus with suction hose | 350.338 |

Standard equipment 374.547:

Triangular sanding head
Round sanding head with velcro backing soft
Velcro packed abrasive paper Select round, 1 x P 60, P 80, P 100, P 220
Velcro packed abrasive paper Select triangular, 1 x P 60, P 80, P 100, P 220
1 soft sanding pad
1 Hexagon socket wrench, SW 5
Padded carry case

Additional included in 350.338:

Antistatic suction hose 32 mm Ø x 4 m with snap coupling and coupling bush for vacuum cleaner



Accessories

Round sanding head



Optimally suitable for finishing large surfaces on walls and ceilings. Effective dust extraction, high surface removal rate.

| QP | Order no. |
|----|-----------|
| 1 | 350.346 |

Triangular sanding head



Ideal for sanding corners and edges. The orbital movement of the sanding head takes the abrasive right up to the edges.

| QP | Order no. |
|----|-----------|
| 1 | 350.354 |

Hexagon socket wrench, SW 5



For changing the backing pads.

| QP | Order no. |
|----|-----------|
| 1 | 115.460 |

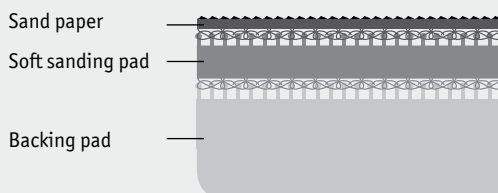
Soft sanding pad Ø 225, round



Soft sanding pad between grinding pad and abrasive paper. Ideal for finishing surfaces. Improves the dust extractor action and lengthens the service life of the sanding disks.

Recommendation: work with soft sanding pad for in-between and final sanding involving finer grain. Do not work with soft sand pad for rough sanding involving coarse grain and when using sanding fleece.

| QP | Order no. |
|----|-----------|
| 2 | 377.848 |



Velcro backing pad Ø 225, round



Soft. Highly flexible backing pad. Facilitates handling and allows for sensitive working. Prevents damage (swirl marks) when the pad touches the surface. For use with velcro backed abrasives.

| | QP | Order no. |
|------|----|-----------|
| soft | 1 | 366.862 |

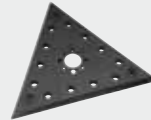
Medium backing pad for sanding down soft fillers. Velcro system for fixing of abrasives.

| | QP | Order no. |
|--------|----|-----------|
| medium | 1 | 352.306 |

Hard backing pad with high removal rate, with use with velcro backed abrasives.

| | QP | Order no. |
|------|----|-----------|
| hard | 1 | 350.362 |

Velcro triangular backing pad



Backing pad for plaster or hard filter compounds in drywall construction, for use with velcro backed abrasives.

| | QP | Order no. |
|--|----|-----------|
| | 1 | 354.988 |

Storage system for VCE 35 L AC, VCE 45 L AC, VCE 45 M AC, S 47, S 47 M



Fits on to the industrial vacuum cleaner for resting the WST 700 VV Giraffe® or MS 1706 FR wall chaser and vacuum hose.

| | QP | Order no. |
|--|----|-----------|
| | 1 | 350.370 |

Antistatic vacuum hose



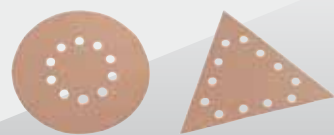


Antistatic suction hose Ø 32 mm x 4 m with snap coupling and coupling bush for vacuum cleaner incl. universal adapter (320.188) antistatic.



| | QP | Order no. |
|--|----|-----------|
| | 1 | 354.953 |

From coarse to fine.

The range of abrasives from FLEX.

| Applications | Velcro sanding paper SELECT | | | | | Velcro sanding grid | | | | | | | |
|---|-----------------------------|---------------|----|--------------------|-------------------------|---------------------|---------------|----|--------------------|--------------|-------|----|---------|
| | Recommen- dation | Type/ grid | QP | round Order no. | triangular Order no. | Recommen- dation | Type/ grid | QP | round Order no. | | | | |
| Roughening wallpaper surfaces (ingrain wallpaper) for rapid absorption of liquids (wallpaper stripper) | P 16 | P 16 | 10 | 350.079 | 350.095 | | | | | | | | |
| Roughening polystyrene panels for heat insulation (styrofoam) | | | | | | | | | | | | | |
| Blending plastered surfaces in the renovation section (existing plaster - new plaster) | P 40 – P 120 | P 40 | 20 | 370.924 | 370.940 | | | | | | | | |
| Roughen loose existing coatings | P 60 – P 120 | P 60 | 25 | 348.503 | 348.554 | | | | | | | | |
| | | P 80 | 25 | 348.511 | 348.562 | | | | | | | | |
| Sanding skimmed walls and ceilings, filler on dry walling and plaster boards, levelling tape joints and unevenness. | P 100 – P 150 | P 100 | 25 | 348.538 | 348.570 | | | | | | | | |
| Sanding stripped surfaces and removing wallpaper residue | P 120 – P 180 | P 120 | 25 | 349.216 | 349.240 | | | | | | | | |
| Smoothing down in preparation for high-grade surfaces (filler method) | P 150 – P 220 | P 150 | 25 | 349.224 | 349.259 | | | | | | | | |
| | | P 180 | 25 | 349.232 | 349.267 | | | | | | | | |
| Intermediate sanding of waxed, oiled or glazed wooden floors, wood panel floors and OSB boards (remove upright wood fibres) | | P 220 | 25 | 348.546 | 348.589 | | | | | | | | |
| | 5 x P80/100/120/150/180 | | 25 | 370.932 | 370.959 | | | | | | | | |
| Pre-sand basic plaster | | | | | | | | | | K 80 – K 100 | K 80 | 25 | 260.237 |
| Sand down soft, smeary, not-as-yet hardened filler points | | | | | | | | | | | K 100 | 25 | 260.230 |
| Smooth and polish marble and smoothing plasters (wall and ceiling structuring) | | | | | | | | | | | | | |
| Pre-sanding, cleaning and matting existing paint coatings prior to repainting (large-vehicles, containers ...) | | | | | | | | | | | | | |
| Intermediate sanding of waxed, oiled or glazed wooden floors, wood panel floors and OSB boards (remove upright wood fibres) | | | | | | | | | | | | | |
| Polishing of painted surfaces | | | | | | | | | | | | | |



00 W



WSE 500



WS 702 VEA



WS 702 VEA



Superfinishing pad



Velcro sanding fleece



Velcro polishing sponge



Velcro sanding paper (perforated)

| Superfinishing pad | | | | Velcro sanding fleece | | | | Velcro polishing sponge | | | | Velcro sanding paper (perforated) | | | | |
|---------------------|---------------|----|--------------------|-----------------------|---------------|----|--------------------|-------------------------|---------------|----|--------------------|-----------------------------------|---------------|-------|--------------------|---------|
| Recommen- dation | Type/ grid | QP | round Order no. | Recommen- dation | Type/ grid | QP | round Order no. | Recommen- dation | Type/ grid | QP | round Order no. | Recommen- dation | Type/ grid | QP | round Order no. | |
| S 320 – S 1200 | | | | A 100 – A 180 | | | | soft | | | | P 16 | P 16 | 10 | 350.079 | |
| | | | | | | | | | | | | P 40 | P40 | 25 | 280.739 | |
| S 320 | | | | A 180 | | | | soft | | | | P 60 – P 120 | | P 60 | 25 | 260.233 |
| | | | | | | | | | | | | P 80 | | 25 | 260.234 | |
| S 1200 | | | | A 180 | | | | soft | | | | P 100 – P 150 | | P 100 | 25 | 260.235 |
| | | | | | | | | | | | | P 120 – P 180 | | P 120 | 25 | 282.405 |
| S 320 – S 1200 | | | | A 100 – A 180 | | | | soft | | | | P 150 – P 220 | | P 150 | 25 | 311.995 |
| | | | | | | | | | | | | P 180 | | 25 | 311.987 | |
| S 320 – S 1200 | | | | A 100 – A 180 | | | | soft | | | | P 150 – P 220 | | P 220 | 25 | 260.236 |
| | | | | | | | | | | | | P 220 | | 25 | 260.236 | |



The FLEX Concrete-Giraffe®.

The unique renovation Pro for walls and ceilings.



The telescopic Concrete-Giraffe® WST 1000 FV, makes it possible to work on surfaces up to 3.50 m high without the need of ladders or scaffolding. The concrete-Giraffe® effortlessly removes concrete butt joints and ridges. Using the appropriate grinding discs from the FLEX accessories programme the WST 1000 FV easily removes paint coatings, graffiti, thermoplastic coatings, screeds, plasters, sandstone, fire clay, asphalt, tile glue, paving slabs, natural and artificial stone, old concrete and concrete slabs.

To meet the high demands placed upon it the Concrete-Giraffe® is fitted with a powerful 1000 watt motor. The Concrete-Giraffe® is always optimally balanced thanks to the ergonomic design, numerous gripping possibilities and motor position. This allows for fatigue-free working. The integrated dust extraction in association with our vacuum cleaners ensures a clean and healthy working environment.



Concrete-Giraffe®

Innovative wall and ceilings sander.



WST 1000 FV

Concrete-Giraffe® grinder for walls and ceilings

- FV electronic control: constant speed, soft-start and overload protection
- Using a unique telescoping system, the Concrete-Giraffe® adapts to your needs. Length adjustable from 1330-1730 mm. Open telescope lock lever, pull out handle and close lever. Handle can be turned full circle
- Ergonomic design with many different handling possibilities for fatigue-free working. The motor is always kept between the gripping positions, ensuring a perfect balance
- Vacuum dust collection: protects against abrasive dust, reduces disc wear, keeps concrete pores for the new coat open
- Flexible rubber vacuum ring with low-wear metal ring: moves smoothly over the surface and protects against dust and flying stones
- Dust extraction system: with metal ring on the guard, flexible suction hose from the scouring head to the guide tube. Connection facility at the rear of the telescopic tube for FLEX industrial vacuum cleaner
- The Concrete-Giraffe® with universal joint shaft and the new grinder head have been purpose-coordinated. This tool quickly and easily removes burrs and other unevenness from walls and ceilings

Accessories

Concrete grinder head without disc



| Dimensions in mm | QP | Order no. |
|------------------|----|-----------|
| 125 Ø | 1 | 350.931 |

Antistatic suction hose



Antistatic suction hose Ø 32 mm x 4 m with snap coupling and coupling bush for vacuum cleaner incl. universal adapter (320.188) antistatic.



| QP | Order no. |
|----|-----------|
| 1 | 354.953 |

Rubber extraction ring



The flexible rubber vacuum ring moves smoothly over the surface and provides optimum protection against dust and flying stones.

| Dimensions in mm | QP | Order no. |
|------------------|----|-----------|
| 125 Ø | 1 | 257.246 |



SPECIFICATIONS

| | |
|------------------|-----------|
| Disc Ø | 125 mm |
| No load speed | 8000 rpm |
| Power input | 1010 watt |
| Power output | 600 watt |
| Tool fixture | 28 mm Ø |
| Dimensions in mm | 1330-1730 |
| Weight | 5.5 kg |

Standard equipment without suction hose:

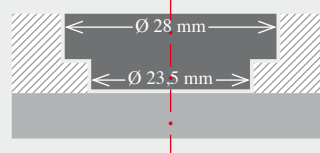
- 1 FixTec quick-lock nut M 14
- Padded carry case

Standard equipment with suction hose:

- 1 FixTec quick-lock nut M 14
- Padded carry case
- Antistatic suction hose 32 mm Ø x 4 m with snap coupling and coupling bush for vacuum cleaner

FLEX flange

Special fixing





Kit System

This is where to find the right WST 1000 FV kit. Simply select the right grinding disc for your applications. The order number listed includes the WST 1000 FV in the kit consisting of machine with standard equipment and the selected grinding disc.

| | Beschreibung | Type | QP | Dimensions in mm | Order no. |
|---|--|---|--|-------------------|-----------|
|  | <p>Turbo-Jet grinding disc for optimal stock removal. The many diamond segments means smoother working and a better finish. Also increasing the life of the machine. Ideal for deburring concrete.</p> | Turbo-Jet kit with suction hose | WST 1000 FV, Turbo-Jet kit , 1 FixTec quick-clamp nut M 14, antistatic suction hose 32 mm Ø x 4 m with snap coupling and coupling bush for vacuum cleaner, carry case | | 355.747 |
| | | Turbo-Jet kit without suction hose | | | 378.224 |
| | | Turbo-Jet | 1 | 125 Ø x 28 x 23,5 | 349.623 |
|  | <p>Thermo-Whirljet for thin coatings and lightly abrasive materials: Thermoplastic coatings, Paint, Graffiti, thin glue residues on concrete or screed, Rubber based coatings. Reduced weight with the FLEX flange. The grinding disc with the angular arranged diamond segments allows for a quicker work rate than with normal discs. The large dimensioned delta shaped holes in the discs causes an air vortex that removes all dust from the working surface and prevents the segments from clogging or overheating and so reducing wear. The leight weight disc reduces wear on the motor. Not for use on edges.</p> | Thermo-Whirljet kit with suction hose | WST 1000 FV, Thermo-Whirljet kit, 1 FixTec quick-clamp nut M 14, antistatic suction hose 32 mm Ø x 4 m with snap coupling and coupling bush for vacuum cleaner, carry case | | 355.755 |
| | | Thermo-Whirljet kit without suction hose | | | 378.194 |
| | | Thermo-Jet | 1 | 125 Ø x 28 x 23,5 | 323.071 |
|  | <p>Screed-Whirljet for abrasive materials: Abrasive screeds (with quartz sand), fresh concrete, plaster, abrasive limestone (with quartz sand) sandstone, fire clay, asphalt. Reduced weight, with FLEX special flange. Not to be used for working on edges.</p> | Screed-Whirljet kit with suction hose | WST 1000 FV, Screed-Whirljet kit, 1 FixTec quick-clamp nut M 14, antistatic suction hose 32 mm Ø x 4 m with snap coupling and coupling bush for vacuum cleaner, carry case | | 355.763 |
| | | Screed-Whirljet kit without suction hose | | | 378.208 |
| | | Screed-Jet | 1 | 125 Ø x 28 x 23,5 | 324.361 |
|  | <p>Concrete-Whirljet the grinding disc for concrete: old concrete, concrete slabs and stone - natural and artificial slabs, lime sand brick hard, paving slabs, tile glue, removing glazing from ceramic tiles. Reduced weight, with the FLEX special flange. Not to be used on edges.</p> | Concrete-Whirljet kit with suction hose | WST 1000 FV, Concrete-Whirljet kit, 1 FixTec quick-clamp nut M 14, antistatic suction hose 32 mm Ø x 4 m with snap coupling and coupling bush for vacuum cleaner, carry case | | 355.771 |
| | | Concrete-Whirljet kit without suction hose | | | 378.216 |
| | | Concrete-Jet | 1 | 125 Ø x 28 x 23,5 | 323.063 |

FLEX Safety vacuum cleaners

For your good health!



The filter system of the FLEX safety vacuum cleaners intercept all dust and even health-harmful substances. This provides even more safety during dry and wet operation. And before the filter becomes clogged, it is automatically cleaned without interrupting the work process.

The suction power remains constant, and there is no down time for filter cleaning!

The 12 best advantages of the FLEX safety vacuum cleaners.

1. Integrated flat-fold filter

Is extremely flat and, different from cartridge filters, does not protrude into the container. Thus the container can be used 100% and the filter remains absolutely dry even during wet vacuuming.

2. Filter cleaning

Can be activated manually when running at any time by pressing the filter-clean switch or on some models automatically

3. Reinforced paper bags

Extra rip-proof and safe even with sharp-edged objects.

4. Deposit tray and holders

Keep hoses and accessories tidy.

5. Bayonet connector

The suction hose connection rotates and is fastened by bayonet: no twisting, no accidental loosening of the suction hose during operation.

6. Drive motor with bypass ventilator

Vacuum air and motor cooling air blow separately in two channels. Dirty vacuum air is not fed through the motor. This protects the motor and increases the vacuum performance.

7. Power tool outlet

To connect other tools. Starts and stops the vacuum as the machine is switched on and off. With 15-second automatic after-running.

8. Housing

The impact-resistant, recyclable plastic housing is tough, light, easy to clean, and corrosion-free.

9. Smooth-running carriage

Two large wheels and two double-castering rollers with locking brakes.

10. Sound insulation hood

The suction turbine is encapsulated; operating noise is greatly reduced.

11. Dust class L

– Dust with MAK values > 1 mg/m³

12. Dust category M

– Dust with MAK values > 0.1 mg/m³
– Mineral dusts 1)
– Wood dust (also beech and oak)

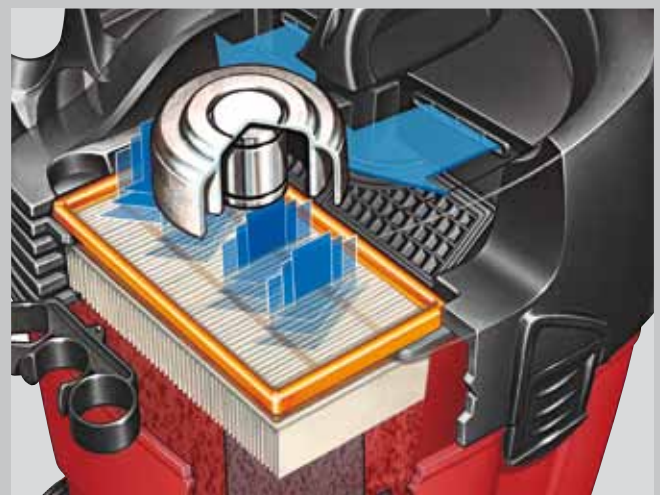
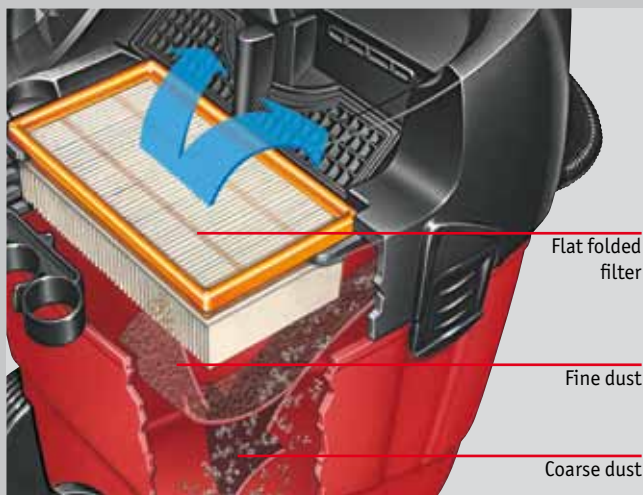
1) Mineral dusts arise when construction material is worked on (grinding, cutting, drilling...). That is why M Dust Class equipment is prescribed for working on concrete, stone, masonry, screed and plaster, for instance. The sand component contained specially as quartz sand in these materials is responsible for this classification.



| |  |  |  |  |
|---|---|--|---|---|
| | VC 35 L MC | VCE 35 L AC | VCE 45 L AC | VCE 45 M AC |
| Order no. | 369.799 | 369.780 | 369.802 | 369.810 |
| Dust class | L | L | L | M |
| Power input in watts | 1380 | 1380 | 1380 | 1380 |
| Max. volumetric flow l/min | 3660 | 3660 | 3660 | 3660 |
| Max. vacuum Pascal | 23000 | 23000 | 23000 | 23000 |
| Container capacity in litres | 34 | 34 | 43 | 43 |
| Capacity liquid in litres | 19 | 19 | 30 | 30 |
| Weight kg | 9,50 | 12,50 | 13,50 | 13,50 |
| Complete antistatic equipment | - | • | • | • |
| Filter cleaning | manually | automatically | automatically | automatically |
| Suction control | - | • | • | • |
| Automatic switch-on with 15 sec run-on | • | • | • | • |
| Connection for power tools: up to 2200 watt | • | • | • | • |
| 4-m suction hose 32 mm Ø | • | antistatic | antistatic | antistatic |

- included
- not included

Flat-fold filter system with cleaning function.



The innovative flat-fold filter system with the flat-fold filter at the top allows full use of the container volume. The flat-fold filter is automatically cleaned by a percussive pressure reversal every 15 seconds. There is no loss of suction at the end of the hose throughout the cleaning process. Downtimes for filter cleaning/changing are therefore a thing of the past. The fold-out filter cover provides easy access to the main filter element to the clean-air side.



FLEX

VCE 45 L AC

FLEX Safety vacuum cleaners

The FLEX Safety vacuum cleaners are masters of their trade.



The FLEX safety vacuum cleaners are fitted with high-performance turbines. A high suction power and vacuum ensure an excellent extraction. The VCE 35 L AC, VCE 45 L AC, VCE 45 M AC, S 47 and S 47 M vacuum cleaners are equipped with an automatic filter cleaning system. Targeted jets of air clear the flat-fold filter of any dust deposits. This ensures optimum suction without interruption to operations. The filter cleaning system can be either switched on or off.

A long service life of the flat-fold filter (with VCE 35 L AC, VCE 45 L AC and VCE 45 M AC) is ensured from the filter pores being dependably cleared of dust. Moreover, the flat-fold filter design is such that the container capacity can be optimally used for dust and dirt. The antistatic set (with VCE 35 L AC, VCE 45 L AC and VCE 45 M AC) stops any static charging at the machine and suction hose.



Safety vacuum cleaner and power tool operate automatically on the basis of the automatic electronic switch on/off mechanism.



Thanks to the large wheels, all FLEX safety vacuum cleaners have excellent running properties on uneven surfaces.



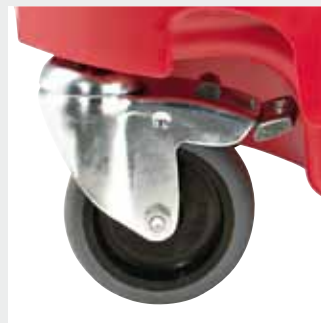
To dispose of the extracted material, a slight turn of the hand opens the container.



The suction hose can be easily wound up on the holders envisaged for this very purpose. This eases handling/transport.



Continuous control for suction power being adapted to the attached tool.



Two swivel casters see to ease of movement in the workshops and on the sites.



The ergonomic handle makes it easy to move the vacuum cleaner around.



Practical storage of suction nozzles and vacuum tubes at the back.



Class M safety vacuum cleaner: suitable for all dusts with $> 0.1 \text{ mg/m}^3$ MAK values. Flow sensor technology monitors the volumetric flow and by means of an acoustic signal indicates that the suction power has dropped below the prescribed minimum figure.



All Class M safety vacuum cleaners are provided with a special cap lock. This stops any dust escaping when the cleaner is being moved around.



Convenient disposal of the waste material either with a filter or disposal bag. Recommendation: Filter cleaning switched off then work with filter bag: filter cleaning connected, then work with disposal bag.



Easy and secure stacking of tools on the vacuum cleaner top. For stacking Vario-Giraffe® and wall chaser, the special storage system is available as an accessory.

FLEX Safety vacuum cleaners

The new generation.



NEW

VC 35 L MC

Safety vacuum cleaner with manual filter cleaning system, 35 L, Class L

- The high-performance turbine ensures both a high suction capacity and a high vacuum. The outcome is an excellent extraction result
- Patented filter vibration: vibration at the press of a button on the vacuum hose
- The flat-fold filter design is such that the container capacity can be optimally used for dust and dirt
- Suitable for wet vacuuming: with electronic liquid level control
- With tool power socket and electronic automatic on/off. Soft start stops any voltage peaks at the start and the run-on feature empties any remaining dust in the vacuum hose
- Scope for tool storage on top of vacuum cleaner and accessories depot for suction nozzles and tubes at the back
- Equipped with large wheels and two swivel guide rollers
- Approved for dust class L, suitable for all dust with MAK-value $>1 \text{ mg/m}^3$



SPECIFICATIONS

| | | |
|------------------------|---------------------------|---|
| Power input P. max. | 1380 watt | Standard equipment: |
| Max. volume flow | 3660 l/min | |
| Max. vacuum | 23000 Pa | 4 m vacuum hose 32 mm Ø with 32/28 mm Ø adapter, 25-32 mm Ø universal adapter and vacuum hose extension |
| Filter surface | 6150 qcm | 1 filter bag |
| Container volume | 34 l | 1 flat-fold filter class L/M |
| Capacity liquid | 19 l | 1 elbow |
| Tool power socket max. | 2200 watt | 2x 0,5 m metal vacuum tube |
| Dimensions (L x B x H) | 505 x 380 x 580 mm | 1 clip on floor nozzle complete exchangeable |
| Weight | 9.5 kg | brush and rubber lip. |
| Type | Order no. | 1 crevice nozzle |
| VC 35 L MC | 369.799 | |



Kit System

VCE 35 L AC

NEW

Safety vacuum cleaner with automatic filter cleaning system, 35 L, Class L

- The high-performance turbine ensures both a high suction capacity and a high vacuum. The outcome is an excellent extraction result
- Continuous automatic flat filter cleaning ensures no loss of suction
- The flat-fold filter design is such that the container capacity can be optimally used for dust and dirt
- Suitable for wet vacuuming: with electronic liquid level control
- With tool power socket and electronic automatic on/off. Soft start stops any voltage peaks at the start and the run-on feature empties any remaining dust in the vacuum hose
- The included antistatic equipment prevents any static charging of the vacuum cleaner or suction hose
- Scope for tool storage on top of vacuum cleaner and accessories depot for suction nozzles and tubes at the back
- Equipped with large wheels and two swivel guide rollers
- Recommendation: When working with a filter bag turn off the automatic cleaning system. When using a disposable sack leave the system on
- Approved for dust class L suitable for all dust with a MAK-value $>1 \text{ mg/m}^3$



SPECIFICATIONS

| | | |
|-------------------------------|---------------------------|--|
| Power input P. max. | 1380 watt | Standard equipment: |
| Max. volume flow | 3660 l/min | |
| Max. vacuum | 23000 Pa | Antistatic suction hose 32 mm Ø x 4 m with snap coupling and coupling bush for vacuum cleaner |
| Filter surface | 6150 qcm | 1 universal adapter Ø 26-35 mm with snap coupling, antistatic |
| Container volume | 34 l | 1 flat-fold filter class L/M |
| Capacity liquid | 19 l | 1 filter bag |
| Tool power socket max. | 2200 watt | 1 PP waste disposal bag |
| Dimensions (L x B x H) | 520 x 380 x 580 mm | Additional included in kit: |
| Weight | 12.5 kg | 1 Cleaning set |
| Type | Order no. | Consisting of elbow with clip attachment for connecting suction hose and vacuum tube (297.038), 2 x metal vacuum tube 0.5 m, chrome-plated (300.691), crevice nozzle (259.627) and clip floor nozzle with replacement insert for floor cleaning with brush insert for dry cleaning and rubber-lip insert for wet cleaning (300.659). |
| VCE 35 L AC | 369.780 | |
| Kit VCE 35 L AC, Cleaning set | 375.349 | |



Kit
System

NEW

VCE 45 L AC

Safety vacuum cleaner with automatic filter cleaning system, 45 L, Class L

- The high-performance turbine ensures both a high suction capacity and a high vacuum. The outcome is an excellent extraction result
- Automatic switch-on and 15 seconds run-on
- Continuous automatic flat filter cleaning ensures no loss of suction
- The flat-fold filter design is such that the container capacity can be optimally used for dust and dirt
- Suitable for wet vacuuming: with electronic liquid level control
- With tool power socket and electronic automatic on/off. Soft start stops any voltage peaks at the start and the run-on feature empties any remaining dust in the vacuum hose
- The included antistatic equipment prevents any static charging of the vacuum cleaner or suction hose
- Equipped with large wheels and two swivel guide rollers
- Scope for tool storage on top of vacuum cleaner and accessories depot for suction nozzles and tubes at the back
- Recommendation: When working with a filter bag turn off the automatic cleaning system. When using a disposable sack leave the system on
- Approved for dust class L suitable for all dust with a MAK-value >1 mg/m³



SPECIFICATIONS

| | |
|------------------------|---------------------------|
| Power input P. max. | 1380 watt |
| Max. volume flow | 3660 l/min |
| Max. vacuum | 23000 Pa |
| Filter surface | 6150 qcm |
| Container volume | 43 l |
| Capacity liquid | 30 l |
| Tool power socket max. | 2200 watt |
| Dimensions (L x B x H) | 520 x 380 x 695 mm |
| Weight | 13.5 kg |

| | |
|-------------------------------|------------------|
| Type | Order no. |
| VCE 45 L AC | 369.802 |
| Kit VCE 45 L AC, Cleaning set | 375.357 |

Standard equipment:

Antistatic suction hose 32 mm Ø x 4 m with snap coupling and coupling bush for vacuum cleaner
1 universal adapter Ø 26-35 mm with snap coupling, antistatic
1 flat-fold filter class L/M
1 filter bag
1 PP waste disposal bag

Additional included in kit:

1 Cleaning set
Consisting of elbow with clip attachment for connecting suction hose and vacuum tube (297.038), 2 x metal vacuum tube 0.5 m, chrome-plated (300.691), crevice nozzle (259.627) and clip floor nozzle with replacement insert for floor cleaning with brush insert for dry cleaning and rubber-lip insert for wet cleaning (300.659).



Kit
System

NEW

VCE 45 M AC

Safety vacuum cleaner with automatic filter cleaning system, 45 L, Class M

- The high-performance turbine ensures both a high suction capacity and a high vacuum. The outcome is an excellent extraction result
- Automatic switch-on and 15 seconds run-on
- Continuous automatic flat filter cleaning ensures no loss of suction
- The flat-fold filter design is such that the container capacity can be optimally used for dust and dirt
- Suitable for wet vacuuming: with electronic liquid level control
- With tool power socket and electronic automatic on/off. Soft start stops any voltage peaks at the start and the run-on feature empties any remaining dust in the vacuum hose
- The included antistatic equipment prevents any static charging of the vacuum cleaner or suction hose
- Flow sensor technology monitors the volumetric flow and any dropping of the suction capacity under the prescribed minimum figure is reported by an acoustic signal
- Equipped with large wheels and two swivel guide rollers
- Recommendation: When working with a filter bag turn off the automatic cleaning system. When using a disposable sack leave the system on
- Class M safety vacuum cleaner, suitable for all dusts with MAK values > 0.1 mg/m³. Specifically for mineral and timber dusts (also beech and oak)



SPECIFICATIONS

| | |
|------------------------|---------------------------|
| Power input P. max. | 1380 watt |
| Max. volume flow | 3660 l/min |
| Max. vacuum | 23000 Pa |
| Filter surface | 6150 qcm |
| Container volume | 43 l |
| Capacity liquid | 30 l |
| Tool power socket max. | 2200 watt |
| Dimensions (L x B x H) | 520 x 380 x 695 mm |
| Weight | 13.5 kg |

| | |
|-------------------------------|------------------|
| Type | Order no. |
| VCE 45 M AC | 369.810 |
| Kit VCE 45 M AC, Cleaning set | 375.365 |

Standard equipment:

Antistatic suction hose 32 mm Ø x 4 m with snap coupling and coupling bush for vacuum cleaner
1 universal adapter Ø 26-35 mm with snap coupling, antistatic
1 flat-fold filter class L/M
1 filter bag
1 PP waste disposal bag

Additional included in kit:

1 Cleaning set
Consisting of elbow with clip attachment for connecting suction hose and vacuum tube (297.038), 2 x metal vacuum tube 0.5 m, chrome-plated (300.691), crevice nozzle (259.627) and clip floor nozzle with replacement insert for floor cleaning with brush insert for dry cleaning and rubber-lip insert for wet cleaning (300.659).

www.flex-tools.com

FLEX

FLEX. The Original.



This means performance: the high-speed angle grinder - a FLEX invention

For more than 85 years, Stuttgart-based FLEX has been known as a manufacturer of high-quality power tools. This is one of the secrets of our success: We are closely aligned with the requirements of craftsmen. This results in products that are famous for their long service life, performance and high functionality in many industries. For more, see www.flex-tools.com

For more information on our new Giraffe® and accessories refer to your competent specialist! For exact directions, contact us per phone under +49 (0) 7144 828-0 or by email at info@flex-tools.com

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