

Dry vacuum cleaner – 230/400 Volt

EVOTEC



- All parts coming in contact with the product are made from stainless steel (1.4301)
- Side channel blower for permanent operation and EX-protection
- **TRGS 519** certified for activities involving **Asbestos**
- Complete safety related equipment
- Very silent

EP 1115

EP 2115

EP 2122-35

1.500 to 2.200 watt
230 or 400 volt
200 to 300 mbar
220 to 330 m³/h
35 liter container

Available in types:



IFA
1302037



Robust industrial vacuum cleaner for sucking up all dry dust particles – from coarse dirt to fine dust (µm)

High quality standards – well-designed, silenced and maintenance-free turbine (side channel blower) as vacuum generator. Suitable for **three-shift-operation**.

Cyclone separator for better pre-separating of fine dust particle and coarse matter.

Effective, easy to use **filter cleaning** for long operating intervals without interruption.

Vacuum gauge for filter monitoring.

1st level filter:

Durable polyester needle-felt filter with **PUR-membrane**, dust class **M**, high filter effect for long durability.

Included in delivery: 3,5 m suction hose and crevice nozzle Ø 40 mm for EP 1115 and 2115 / Ø 50 mm for EP 2122-35

2nd level filter:

“Absolut”- cartridge filter dust class **H (H14)**.



Patented, tool less **filter change** with **low contamination risk**.

Phase direction monitor and vacuum limit valve for the **faultless use of the device**.

Fast coupling with locking mechanism and rotating device for a secure connection of the suction hose.

Length of the connection cable: 8 m

Type **ASBESTOS** including 5,0 m exhaust air hose Ø 70 mm

| Type | | EP 1115 | EP 2115 | EP 2122-35 |
|---|----------|-----------------|-----------------|-----------------|
| Voltage | volt | 230 | 400 | 400 |
| Power output | watt | 1.500 | 1.500 | 2.200 |
| Max. airflow rate | m³/h | 220 | 220 | 330 |
| Max. negative pressure | mbar | 200 / 240 max. | 200 / 240 max. | 240 / 300 max. |
| Filter surface „M“ Filter surface „H“ | m² m² | 1,75 + 1,7 | 1,75 + 1,7 | 1,75 + 1,7 |
| Dirt container | l | 35 | 35 | 35 |
| Type of protection | | IP 55 | IP 55 | IP 55 |
| Noise level | dB(A) | 65 | 68 | 70 |
| Suction connection | Ø mm | 80 | 80 | 80 |
| Dimension | cm | 119x58x122 | 119x58x122 | 119x58x122 |
| Weight | kg | 105 | 105 | 105 |
| Dust class M | Art.-No. | 151-1050 | 251-2070 | 251-1010 |
| Dust class M/Type22  | Art.-No. | 151-1051 | 251-2071 | 251-1011 |
| Dust class H | Art.-No. | 151-1052 | 251-2072 | 251-1012 |
| Dust class H/Type22  | Art.-No. | 151-1053 | 251-2073 | 251-1013 |
| Dust class H/Asbestos | Art.-No. | -- -- | -- -- | 251-1015 |



Explanation Details

EVOTEC

EP 1115
EP 2115
EP 2122-35



Disposal options



Plastic disposal bag, antistatic ESD

Packing unit = 10 pcs



For dust-free disposal of dust particles (dust classes M and H)

Highly stable and „nail tested“

Perfect fit due to round bottom – no bypass necessary.

Suitable for:

25/35-l-container = **235-1011**

60-l-container = **235-1021**

100-l-container = **235-1031**

Options



Spark trap with metal knit insert

prevents the suction of sparks into the system.
Different diameters for integration in pipe system
or suction hose

Ø 80 mm **072-0628**

Ø 100 mm **072-0629**

Ø 150 mm **072-0630**



Hose bracket

Optimal for the storage of long hoses.

Suitable for all models with 60 liter dirt container
(EP1136, EP2122 ECO, EP2130 ECO, EP 2122,
EP 2130, EP 2140 ECO, EP 2155 ECO)

Suitable for up to 10 m hose

053-3070

Pocket filter



Dust class M

Polyester-needle felt with **PUR-Membrane** (installed by default)

Non-stick properties – for sticky or adhesive dusts
Also for the suction of fine dust with abrasive nature (e.g. fiber glass)

1,75 m², Ø 400 mm = **054-20085B**
2,20 m², Ø 500 mm (fig) = **054-20086B**
3,20 m², Ø 500 mm = **054-20087B**
5,20 m², Ø 500 mm = **054-20088**



Dust class M

Robust polyester-needle felt with **PTFE-Membrane**
Non-stick properties – for sticky or adhesive dusts

Heat-resistant
Temporary (30 min.) up to 200 °C
Continuous up to 150 °C

Video on
You Tube

1,75 m², Ø 400 mm = **054-20115**
2,20 m², Ø 500 mm = **054-20116**
3,20 m², Ø 500 mm (fig) = **054-20117**
5,20 m², Ø 500 mm = **054-20118**



Dust class M

Polyester-needle felt with **antistatic PUR-Membrane**

Antistatic – for the suction of dust that can accumulate static charge

Food-safe – for the application in sensitive areas such as pharmaceutical or food production

1,75 m², Ø 400 mm = **054-20127**
2,20 m², Ø 500 mm (fig) = **054-20128**
3,20 m², Ø 500 mm = **054-20129**
5,20 m², Ø 500 mm = **054-20130**



Dust Class H (H14)

Absolute cartridge filter for all types of EVOTEC

Double-sided support grid,
to buy for replacement:

1,7 m², Ø 400 mm = **054-20018**
2,0 m², Ø 500 mm = **054-20027**
4,3 m², Ø 500 mm = **054-20033**

without picture

Electromechanical filter-cleaning

Automatic filter-cleaning after switching off the vacuum cleaner. The pockets or folds are set in vibration with a shaker motor and the dust is shaken off

universal
053-3027

Suction arms



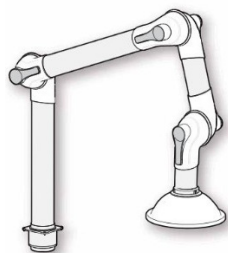
The suction arm allows the **punctual** suction directly at the point of origin. Due to the **self-supporting construction** simple to handle and easy to position.
Antistatic design and therefore usable for the **use in ESD-areas** (grounded with a resistance of 1MΩ).

Size Ø 50 mm – ideal up to 3 kW

Optimal for small coverage areas, e.g. in electronic industries, laboratories, dentistry, laser technologies, nail spa, gold smith etc.

Size Ø 75 mm – ideal from 3 kW

Usable in many different sectors, e.g. laboratories, laser technology, chemical and pharmaceutical industry, food industry, schools, universities or machine industry.



Suction arm ESD, for table mounting

Inclusive holder for table duct.

Ø 50 mm

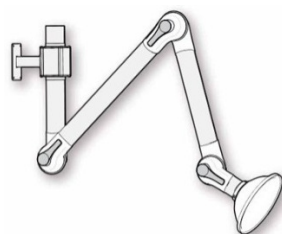
Reach 1.300 mm **072-0400**

Reach 1.500 mm **072-0401**

Ø 75 mm

Reach 1.300 mm **072-0402**

Reach 1.500 mm **072-0403**



Suction arm ESD, for ceilings and wall mounting

Including wall / ceiling bracket

Ø 50 mm

Reach 1.300 mm **072-0404**

Reach 1.500 mm **072-0405**

Ø 75 mm

Reach 1.300 mm **072-0406**

Reach 1.500 mm **072-0407**

Suction arms and options



Universal console

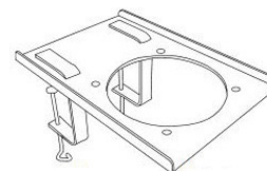
Bracket / console for the extraction arm of EVOTEC industrial vacuum cleaners.

Ø 50 mm

053-3051

Ø 75 mm

053-3061

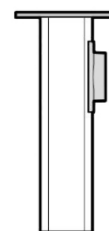


Flexible table console ESD

Holder/Console for mounting the arm on a (table-)plate, universal for

Ø 50 mm / Ø 75 mm

072-0428



Ceiling console ESD

Universal holder/console for arm Ø 50 mm and Ø 75 mm, diverse lengths:

Length 250 mm

072-0418

Length 500 mm

072-0419

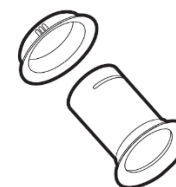
Length 750 mm

072-0420

Length 1000 mm

072-0421

Further lengths on request



Straight hood tube ESD

Spare part for hood, also usable as straight inlet nozzle.

Ø 50 mm

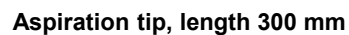
072-0429

Ø 75 mm

072-0430



| | |
|---------|-----------------|
| Ø 50 mm | 072-0414 |
| Ø 75 mm | 072-0415 |



| | |
|---------|----------|
| Ø 50 mm | 072-0410 |
| Ø 75 mm | 072-0411 |



| | |
|---------|-----------------|
| Ø 50 mm | 072-0412 |
| Ø 75 mm | 072-0413 |

This image shows a full page of blank white paper with horizontal ruling lines. The lines are evenly spaced and run across the width of the page, providing a template for writing or drawing. There are no margins, text, or other markings on the paper.

(All Ø specifications refer to the inner hose diameter)

PP- hose and - components

Made of polypropylene (PP), antistatic, with suitable fittings.
Well suitable for the industrial usage.



PP-suction hose antistatic, complete with fittings

Length 3,5 m Ø 40 mm = **052-0151**
Length 3,5 m Ø 50 mm = **052-0248**
Length 5 m Ø 40 mm = **052-0152**
Length 5 m Ø 50 mm = **052-0249**



Linear meters (for extension or self-manufacturing)

Ø 40 mm = **052-0130**
Ø 50 mm = **052-0230**



Fitting (suction side) for PP-hose antistatic

Ø 40 mm = **052-0140**
Ø 50 mm = **052-0240**



Fitting (vessel side) for PP-hose antistatic incl. retaining ring

Ø 80 - 40 mm = **052-0159**
Ø 80 - 50 mm = **052-0256**
only ECODust/Compact
Ø 60 - 40 mm **052-0145**
Ø 60 - 50 mm **052-0244**

Superflex-hose and - components

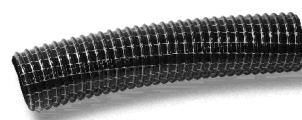
Made of polypropylene (PP), thread-strengthened and spiral-protected. Extra light and flexible also for longer distances. Well-suitable for industrial usage.

Discharging = when spiral is grounded



Superflex-suction hose, electrically conductive, complete with fittings

Length 3,5 m Ø 40 mm = **052-0153**
Length 3,5 m Ø 50 mm = **052-0250**
Length 5 m Ø 40 mm = **052-0154**
Length 5 m Ø 50 mm = **052-0251**



Linear meters (for extension or self-manufacturing)

Ø 40 mm = **052-0133**
Ø 50 mm = **052-0136**
Ø 60 mm = **054-90037**



Fitting (suction side) for Superflex-hose antistatic

Ø 40 mm = **052-0139**
Ø 50 mm = **052-0239**



Fitting (vessel side) for Superflex-hose antistatic, incl. retaining ring

Ø 80 - 40 mm = **052-0158**
Ø 80 - 50 mm = **052-0255**
only ECODust/Compact
Ø 60 - 40 mm **052-0144**
Ø 60 - 50 mm **052-0243**

(All Ø specifications refer to the inner hose diameter)

PUR-hose and - components

Made of polyurethane (PUR). Enhanced bay integrated steel spiral. Oil-resistant, sturdy and suitable for abrasive dusts. Heat proof up to 125°C. Well-suitable for extreme industrial usage.

Discharging = when spiral is grounded



PUR-suction hose, electrically conductive, complete with fittings

Length 3,5 m Ø 40 mm = **052-0155**
 Length 3,5 m Ø 50 mm = **052-0252**
 Length 5 m Ø 40 mm = **052-0156**
 Length 5 m Ø 50 mm = **052-0253**



Linear meters

(for extension or self-manufacturing)

Discharging when spiral is grounded

Ø 40 mm = **052-0136**
 Ø 50 mm = **052-0236**
 Ø 70 mm = **052-0309**

Reinforced version:

Ø 40 mm = **052-0157**
 Ø 50 mm = **052-0254**
 Ø 70 mm = **052-0310**



Fitting (suction side) for PUR-hose antistatic

Ø 40 mm = **052-0141**
 Ø 50 mm = **052-0241**
 Ø 70 mm = **052-0311**



Fitting (boiler side) for PUR-hose antistatic incl. Retaining ring

Ø 80 - 40 mm = **052-0160**
 Ø 80 - 50 mm = **052-0257**

only ECODust/Compact

Ø 60 - 40 mm **052-0146**
 Ø 60 - 50 mm **052-0245**

ESD-hose and - components

Hose material: polyurethane (PUR) or polypropylene (Superflex). Both spiral-supported, Superflex additionally reinforced with thread. Ideally suited material for industrial use in potentially explosive atmospheres.

Completely electrically conductive 10³ to 10⁴ Ω



ESD-Superflex-suction hose

Completely electrically conductive 10⁴ Ω

Ø 40 mm = **052-0200**
 Ø 50 mm = **052-0287**



ESD-PUR-suction hose

Completely electrically conductive 10³ Ω

Ø 40 mm = **052-0196**
 Ø 50 mm = **052-0281**



Fitting (suction side)

for **ESD-Superflex-suction** antistatic

Ø 40 mm = **052-0139**
 Ø 50 mm = **052-0239**

for **ESD-PUR-suction** antistatic

Ø 40 mm = **052-0141**
 Ø 50 mm = **052-0241**



Fitting (boiler side) for ESD-Superflex-suction hose antistatic incl. Retaining ring

Ø 80 - 40 mm = **052-0158**
 Ø 80 - 50 mm = **052-0255**

for **ESD-PUR-suction** hose antistatic

Ø 80 - 40 mm **052-0160**
 Ø 80 - 50 mm **052-0257**

Practical accessory sets

EVOTEC

Machine cleaning kit

optimized for the cleaning
of production machines, complete antistatic

Consisting of bulk suction nozzle,
inclined tube rubber nozzle and
pointed rubber nozzle



Ø 40 mm **052-1081**
Ø 50 mm **052-1071**

Set for cleaning at altitude

for the cleaning in heights,
e.g. supply tubes

consisting of 4 hand tubes Ø40mm,
each 500mm long
(052-1100 including connector from
Ø40 to Ø50mm), curved tubular
nozzles 100 mm and 200 mm,
as well as a wall- and floor nozzle



Ø 40 mm **052-1090**
Ø 50 mm **052-1100**

Industrial floor cleaning kit

for the cleaning of all floors,
complete antistatic



Consisting of multi-part hand tube, metal revolving nozzle with
brush strip and replacement rubber strips

Ø 40 mm, width 370 mm **052-1031**
Ø 40 mm, width 450 mm **052-1036**
Ø 50 mm, width 370 mm **052-1041**
Ø 50 mm, width 450 mm **052-1051**
Ø 50 mm, width 500 mm **052-1061**

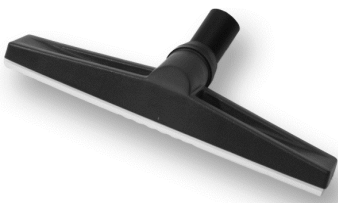
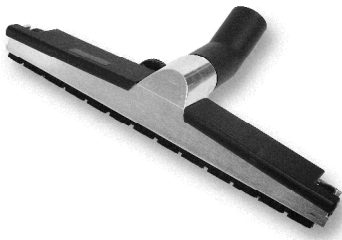
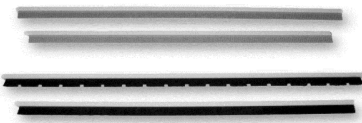


You Tube

Accessories

| | |
|---|--|
|  | <p>Ex Curved tube, chrome-plated</p> <p>Ø 36 mm = 052-0014 Ø 40 mm = 052-0111 Ø 50 mm = 052-0209</p> |
|  | <p>Ex Hand tube, chrome plated</p> <p>Ø 36 x 500 mm = 052-0012 Ø 40 x 500 mm = 052-0112 Ø 50 x 500 mm = 052-0208</p> |
|  | <p>Floor nozzle with brush strip and lateral rollers</p> <p>Ø 40 x 400 mm = 052-0116 Ø 50 x 400 mm = 052-0210</p> <p>Brush strip for replacement = 052-0026</p> |
|  | <p>Floor nozzle with rubber strip and lateral rollers</p> <p>Ø 40 x 400 mm = 052-0117 Ø 50 x 400 mm = 052-0211</p> <p>Rubber strip for replacement = 052-0027</p> |

Accessories

| | |
|---|--|
|  | <p>Floor nozzle with carpet strip and lateral rollers</p> <p>Ø 40 x 400 mm = 052-0118</p> <p>Rubber strip for replacement = 052-0030</p> |
|  | <p>Ex Robust Alu-floor nozzle with rollers and brush strip</p> <p>Ø 40 x 370 mm = 052-0120 Ø 40 x 450 mm = 052-0121 Ø 50 x 370 mm = 052-0213 Ø 50 x 450 mm = 052-0214 Ø 50 x 500 mm = 052-0215</p> <p>with rollers and rubber strip</p> <p>Ø 40 x 370 mm = 052-0192 Ø 40 x 450 mm = 052-0193 Ø 50 x 370 mm = 052-0276 Ø 50 x 450 mm = 052-0277</p> |
|  | <p>Brush strip for replacement</p> <p>Length 370 mm = 052-0173 Length 450 mm = 052-0171 Length 500 mm = 052-0264</p> <p>Rubber strip for replacement, oil resistant</p> <p>Length 370 mm = 052-0194 Length 450 mm = 052-0195 Length 500 mm = 052-0280</p> |



- Accessories



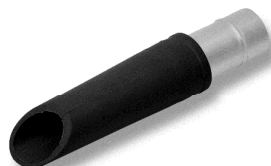
Flat rubber nozzle with connecting tube
antistatic
(Without extension tube can also be attached to hand pipe)

Ø 40 mm = **052-0126**
Ø 50 mm = **052-0223**
Ø 70 mm = **052-0304**



Pointed rubber nozzle with connecting tube
antistatic
(Without extension tube can also be attached to hand pipe)

Ø 40 mm = **052-0124**
Ø 50 mm = **052-0221**



Inclined tube rubber nozzle
antistatic
(Without extension tube can also be attached to hand pipe)

Ø 40 mm = **052-0125**
Ø 50 mm = **052-0222**
Ø 70 mm = **052-0303**



Solid PP round brush
Rubber with connection tube, broad brush head with brass components, antistatic

Ø 40 mm = **052-0103**
Ø 50 mm = **052-0205**

Accessories



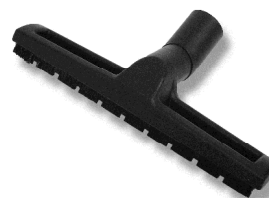
Hand tube set for cleaning at altitude

Ø 40 x 2000 mm = **052-0113**
Ø 50 x 2000 mm = **052-0216**



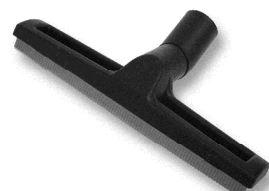
Curved tubular nozzle
Also usable for cleaning at altitude
Ø 40 mm

Curve width 100 mm = **052-0122**
Curve width 200 mm = **052-0123**



Wall-and floor nozzle
with brush strips

Ø 40 x 300 mm = **052-0114**



Wall-and floor nozzle
with rubber strips

Ø 40 x 300 mm = **052-0115**

| Performance description 2018 EVOTEC Industrial vacuum cleaner 230 V | ECODust 1200 1400 | ECODust 1500 | ECODust Maxi 15 | EP 1122 EP 1122-LP | EP 1115 | EP 1136 | ROBUSTO 1122 1122-LP |
|---|-------------------------|-----------------|--------------------|-----------------------|---------|---------|----------------------------|
| ■ = included in delivery □ = optional | | | | | | | |
| Drive engineering | | | | | | | |
| Maintenance-free side channel blower Turbine for long-term runs without interruption | | ■ | ■ | | ■ | | |
| Bypass-motors (alternating current) under separate cooling, individual switching | ■ | | | ■ | | ■ | ■ |
| Vacuum relief valve protects the turbine from overheating - for long term runs | | ■ | ■ | | ■ | | □ |
| Exhaust air sound reduction for a minimum of noise emission at work places | ■ | ■ | ■ | ■ | ■ | ■ | ■ |
| Remote ON/OFF by cable or radio control | □ | □ | □ | □ | □ | □ | □ |
| Stepless performance regulation performance of the turbine can be regulated stepless and economical by a frequency converter | | | | | □ | | |
| Filter technology | | | | | | | |
| 1st level filter = dust class M sturdy pocket filter with high quality PUR-coating for long-term runs | | | | | | | |
| Filter surface 1,0 m² | ■ | ■ | | | | | |
| Filter surface 1,2 m² | | | | | | | |
| Filter surface 1,75 m² | | | ■ | ■ | ■ | | ■ |
| Filter surface 2,0 m² | | | | | | ■ | |
| Filter surface 3,2 m² | | | | | | □ | |
| 2nd level filter = dust class H high performance absolute cartridge filter made from fiberglass material class H14, for highest exhaust air monitoring | | | | | | | |
| - filter surface 1,7 m² | ■/□ | ■/□ | ■/□ | ■/□ | ■/□ | | □ |
| - filter surface 2,0 m² | | | | | | ■/□ | |
| - filter surface 4,3 m² | | | | | | | |
| EX-proof zone 22 (Type22) permanent discharge capability for the secure suction of explosive dusts | | ■/□ | ■/□ | | ■/□ | | □ |
| Filter change free of contamination patented solution for an easy filter change without hazards for the user | ■ | ■ | ■ | ■ | ■ | ■ | ■ |
| Filter control display vacuum pressure gauge indicates the need of filter cleaning | ■ | ■ | ■ | ■ | ■ | ■ | ■ |

| | | | | | | | |
|--|---|---|---|---|---|---|---|
| Cyclone separator Centrifugal separator behind the vessel entry for pre-separation of suction material and liquids | ■ | ■ | ■ | ■ | ■ | ■ | ■ |
| Several filter cleaning methods | | | | | | | |
| - by hand (Standard) | ■ | ■ | ■ | ■ | ■ | ■ | ■ |
| - atmospheric pulse cleaning | | | | | □ | | |
| - electric filter shaker | | □ | □ | □ | □ | □ | □ |
| Activated carbon filter eliminates smell and toxic steam | | | | | □ | | |
| | | | | | | | |
| Chassis | | | | | | | |
| Mobile chassis/trolley sturdy, CNC-formed steel, powder coated | ■ | ■ | ■ | ■ | ■ | ■ | ■ |
| Stair climbing | ■ | ■ | ■ | ■ | | | |
| High quality castors/wheels with roller bearing and fixing brake for the optimal mobility | ■ | ■ | ■ | ■ | ■ | ■ | ■ |
| Ergonomic pushing handle with soft-coating as insulation protection | ■ | ■ | ■ | ■ | ■ | ■ | ■ |
| Tension ring system for a constant tight connection between container and cover | ■ | ■ | ■ | ■ | ■ | ■ | ■ |
| Filter chamber from stainless steel connection nozzle with fast coupling for easy and secure connection of the suction hose | | | | | | | |
| - Ø 60 mm vessel entry | ■ | ■ | ■ | | | | |
| - Ø 80 mm vessel entry | | | | ■ | ■ | ■ | ■ |
| Closing plug avoids the escape of harmful dusts when no hose is connected | ■ | ■ | ■ | ■ | ■ | ■ | ■ |
| Accessory basket for the secure storage of accessory | ■ | ■ | ■ | ■ | □ | ■ | ■ |
| Hand tube holder to store the hand tube | | | | | ■ | ■ | |
| Long connection cable 8m for a large radius | ■ | ■ | ■ | ■ | ■ | ■ | ■ |
| Storage for the connection cable hook for the secure storage of the connection cable | | | | | ■ | ■ | |
| | | | | | | | |

| | | | | | | | |
|--|---|---|---|-----|---|---|-----|
| <u>Disposal</u> | | | | | | | |
| Dirt container from stainless steel High quality stainless steel 1.4301 for sturdy usage and suitable for hygienic sensitive areas with comfortable lowering for easy disposal of the absorbed matter | | | | | | | |
| dirt container 25 liter | ■ | ■ | | | | | |
| dirt container 35 liter | | | ■ | ■ | ■ | | ■ |
| dirt container 60 liter | | | | | | ■ | |
| Longopac- disposal system "Endless"-plastic disposal bag for contamination free and easy disposal of the absorbed matter | | | | ■/□ | | | ■/□ |
| Automatic fill level control rotating paddle sensor monitors the filling level of the dry dust in the dirt container | | | | | | | |
| | | | | | | | |
| <u>Accessory included in delivery</u> | | | | | | | |
| Suction hose sturdy and flexilbe quality for mobile working | | | | | | | |
| - 3,5 m, Ø 40 mm | ■ | ■ | ■ | ■ | ■ | | |
| - 3,5 m, Ø 50 mm | | | | | | ■ | ■ |
| Crevice nozzle for various suction tasks | | | | | | | |
| - Ø 40 mm | ■ | ■ | ■ | ■ | ■ | | |
| - Ø 50 mm | | | | | | ■ | ■ |



EVOTEC

Your advantages:

- Top quality – professional manufacturing
- Heavy duty and long-living materials
- Convincing functionality and ergonomics
- Unexpected new solutions
- Flexible and economical in use
- Reliability from more than 30 years
- High aspiration in design and operator convenience

