Dry vacuum cleaner – 230 Volt

EVOTEC

→ Optimum filter technology for secured suction

→ Strong suction performance

→ Comfortable lowering of the dirt container

→ Usage of two hoses possible with Y-Allocator

→ All parts coming in contact with the product are made from stainless steel (1.4301)

EP 1136

3.600 watt
230 volt
210 mbar
490 m³/h
60 Liter Container

Available in versions:

M ⚠ i M

H ⚠ i H

DGUV Test IFA 1302037 GS geprüfte Sicherheit

Video on
You Tube

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

High quality standards – well constructed bypass aggregates, silenced turbo.

Sturdy, smooth running chassis for high mobility. Compact modular structure with high-quality stainless steel dirt container **(V2A).**

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

1st level filter:
Dust class M
Durable polyester needle-felt filter with **PUR-membrane**, high filter effect for long durability.

2nd level filter:
Dust class H
"Absolut"-cartridge filter **(H14).**

Effective, easy to use **filter cleaning** for high filter effect and long operating intervals without interruption.
Vacuum gauge for filter monitoring.
Patented, tool less filter change – easy and safe for staff and maintenance.

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

Length of the connection cable: 8 m

Type		EP 1136
Voltage	volt	230
Power output	watt	3.600
Max. airflow rate	m³/h	490
Max. negative pressure	mbar	210
Filter surface „M" Filter surface „H""	m² m²	2,2 + 2,0
Dirt container	l	60
Type of protection		IP 33
Noise level	dB(A)	78
Suction connection	Ø mm	80
Dimension	cm	86 x 68 x 138
Weight	kg	75
Dust class **M**	**Art.-No.**	**151-1080**
Dust class **H**	**Art.-No.**	**151-1081**

Included in delivery:
3,5 m suction hose Ø 40 mm and crevice nozzle.

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Explanation Details

EVOTEC

EP 1136

Motor switch

Vacuum gauge
for filter monitoring

V2A-filter chamber
with pocket filter
Filter class M
(2,2 m²)

Ø 80 mm suction
Connection with
closing plug

V2A dirt
container 60 l

Fixed castor wheels
for heavy loads

Silenced motor housing
with 3 x 1,200 watt motors

Ergonomic push
bracket with
insulation shell

Double-sided lever
for container-lowering

Accessory basket

Manual filter-
shaker

Hand tube holder

Ball bearing castor wheels
with arrestor

EVOTEC

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**

Bypass for standard disposal bags

Due to vacuum compensation, it allows the usage of standard disposal bags.

Consists of connection hose from dirt container to filter compartment, including Kamlock-connection for easy decoupling and re-coupling.

053-3030

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)

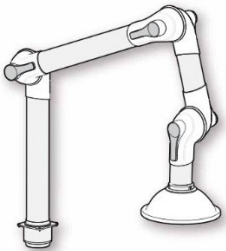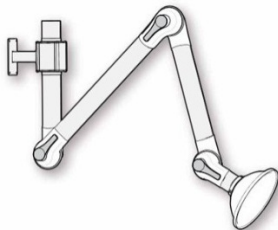**Suitable for up to 10 m hose**
053-3070

Nozzle for large floor areas
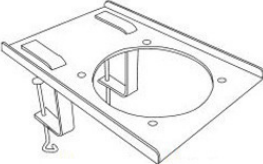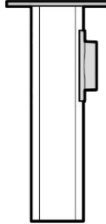To clean wide floor areas
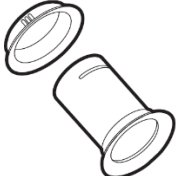Easy self-assembly, incl. connection hose

Suitable for:

EP 1136, EP 2122 ECO, EP 2130 ECO
Width 700 mm
053-1020

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

Video on
You**Tube**

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

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

EVOTEC

Accessories extraction arm

Suction arms ⬡Ex

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 pharmaceutic 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 ⬡Ex

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**

Hoods and nozzles ⬡Ex

Flat hood ESD, 300 x 200 mm

Specially provided for gases and steams. High suction efficiency when positioned vertically to table surface, including socket

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

Aspiration tip, length 300 mm

For smaller, concentrated contaminant sources. High efficiency, because it can be brought very close without disturbing the work flow.
Cantilever of the tip for increasing the efficiency.

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

Flexible aspiration tip, length 600 mm, ESD

High efficiency paired with high flexibility.

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

Notes

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EVOTEC

PP- hose and ⬡Ex⬡ - 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**

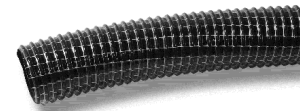## **Superflex**-hose and ⬡Ex⬡- components

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**

EVOTEC

Accessories hose PUR / metal

PUR-hose and ⟨Ex⟩ - 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 ⟨Ex⟩ - 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 10^3 to 10^4 Ω

ESD-Superflex-suction hose
Completely electrically conductive 10^4 Ω

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

ESD-PUR-suction hose
Completely electrically conductive 10^3 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

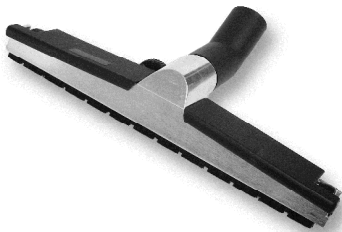|	
Ø 40 mm	**052-1081**
Ø 50 mm	**052-1071**

Set for cleaning at altitude
for the cleaning in heights,
e.g. supply tubes
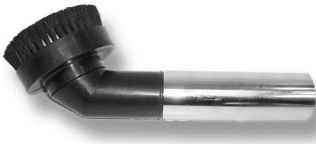
consisting of 4 hand tubes Ø40mm,
each 500mm long
(052-1100 including connector from
Ø40 to Ø50mm),curved tubular
nozzles 100 mm and 200 mm,
as well as a wall- and floor nozzle

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

Ex Curved tube, chrome-plated

Ø 36 mm =	**052-0014**
Ø 40 mm =	**052-0111**
Ø 50 mm =	**052-0209**

Ex Hand tube, chrome plated

Ø 36 x 500 mm =	**052-0012**
Ø 40 x 500 mm =	**052-0112**
Ø 50 x 500 mm =	**052-0208**

Floor nozzle with brush strip
and lateral rollers

Ø 40 x 400 mm =	**052-0116**
Ø 50 x 400 mm =	**052-0210**

Brush strip for replacement =	**052-0026**

Floor nozzle with rubber strip
and lateral rollers

Ø 40 x 400 mm =	**052-0117**
Ø 50 x 400 mm =	**052-0211**

Rubber strip for replacement =	**052-0027**

Accessories

Floor nozzle with carpet strip
and lateral rollers

Ø 40 x 400 mm =	**052-0118**

Rubber strip for replacement =	**052-0030**

Ex Robust Alu-floor nozzle with rollers and brush strip

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**

with rollers and rubber strip

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**

Brush strip for replacement

Length 370 mm =	**052-0173**
Length 450 mm =	**052-0171**
Length 500 mm =	**052-0264**

Rubber strip for replacement, oil resistant

Length 370 mm =	**052-0194**
Length 450 mm =	**052-0195**
Length 500 mm =	**052-0280**

EVOTEC

Ex - 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 economilcal 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					■	■	

Disposal							
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							
Accessory included in delivery							
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						■	■

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

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