EVOTEC



EP 2122
EP 2130
EP 2140 ECO
EP 2155 ECO



INNOVATIVE EXTRACTION TECHNOLOGY





EP Dry vacuum – 400 Volt





- ★ Parts in contact with the product made of V2A stainless steel (1.4301)
- Side channel blowers for continuous operation and EX protection
- ★ Fully equipped for safety
- ★ Convenient dirt container lowering (optional with Longopac-disposal)
- ★ Zone 21 on request

EP 2122 EP 2130 EP 2140 ECO EP 2155 ECO

Versions:









Until 3,0 kW:



As of 4,0 kW:



EP Dry vacuum – 400 Volt





Robust industrial vacuum cleaners for vacuuming all dry dusts - from coarse dirt to micro particles (µm)

High quality standards - Welldesigned, soundproofed and maintenance-free turbine (side channel blower) as vacuum generator. Suitable for 3-shift operation.

Cyclone separator for better pre-separation of fine dusts and coarse material.

Effective, easy-to-use **filter cleaning** for long working intervals without interruption. **Vacuum gauge** for filter monitoring.

1st Filter stage:

Dust class M Resistant polyester needle felt filter with **PUR membrane**, high filtering power for long service life.

2nd Filter stage: Dust class H

Absolute cartridge filter (H14).

Patented tool-free and **low-contamination filter change**. Rotation direction phase monitor

and vacuum limiting valve for trouble-free use of the unit.

Quick coupling with lock and turning device for safe connection of the hose.

Length connection cable: 8 m

On request also with Longopac disposal system:

"Endless" plastic bag for easy and low-contamination disposal of the material.

Scope of delivery includes:

3,5 m hose Ø 50 mm and scoring nozzle

Model		EP 2122	EP 2130	EP 2140 ECO	EP 2155 ECO
Voltage	Volt	400		400 *)	
Engine power	Watt	2.200	3.000	4.000	5.500
Max. air volume	m³/h	330		410	500
Negative pressure	mbar	240 / 300 max.	260 / 340 max.	240 / 300 max.	260 / 320 max.
Filter area " M " Filter area " H " (H14)	m² m²	2,2 or 3,2 + 2,0		3,2 + 4,3	
Dirt container	ltr.	60			
Protection class		IP 55			
Noise level	dB(A)	70 76		6	
Vacuum connection	Ømm	80			
Dimensions LxWxH	cm	120 x 68 x 135			
Weight	kg	150	160	180	190
Dust class M	INo.	251-1040	251-1050	251-1060	251-1070
Dust c. M/Typ22 😉	INo.	251-1041	251-1051	251-1061	251-1071
Dust class H	INo.	251-1042	251-1052	251-1062	251-1072
Dust c. H/Typ22	INo.	251-1043	251-1053	251-1063	251-1073
Upgrade: 100-I dirt container	INo.		053-4	1042	

^{*)} Direct start-up (optionally available with star-delta smooth start 054-6935)







Accessories and options EVOTEC vacuum cleaners



Pocket filters and cartridge filters

(When subsequently changing from 2.2 m² to 3.2 m², the filter basket must also be replaced)



Dust class M

robust polyester needle felt with PTFE membrane **Non-stick property** - for sticky or adhesive dusts **Heat resistant** short term (30 min.) up to 200

"Continuous up to 150 "C"

2,20 m ² , Ø 500 mm =	054-20116
$3,20 \text{ m}^2, \varnothing 500 \text{ mm} =$	054-20117
$5,20 \text{ m}^2, \varnothing 500 \text{ mm} =$	054-20118



Dust class M

Polyester needle felt with antistatic PUR membrane

Antistatic - for the extraction of dusts that can become statically charged (installed as standard in EVOTEC units)

2,20 m ² , Ø 500 mm =	054-20128
$3,20 \text{ m}^2, \varnothing 500 \text{ mm} =$	054-20129
$5,20 \text{ m}^2, \varnothing 500 \text{ mm} =$	054-20130



Dust class H (H14)

Absolute cartridge filter for all EVOTEC models Support grille on both sides,

Replacement filter for repurchasing

 $2,0 \text{ m}^2, \varnothing 500 \text{ mm} =$ **054-20027**

4,3 m², Ø 500 mm = **054-20033**

Disposal



Plastic waste disposal bags, antistatic ESD

PU = 10 pieces

for the dust-free disposal of dust of the dust classes M and H.

Extremely stable and "nail-test"-tested. Perfect fit due to round base design - by-pass not necessary!

Suitable for:

60-l-Container = **235-1021**



Options

EVOTEC

Device options



Activated carbon filter module

for absorbing odours and vapours. 4,3 kg activated carbon.

Suitable for all models with turbine chassis, illustration is an example.

053-2060





Hose holder

Suitable for all models with 60 litre dirt containers.

For 10 m hose 053-3070

Options

EVOTEC

Cartridge filter system with compressed aircleaning



Cartridge filter system with automatic compressed air cleaning

Filter area 3 x 4.2 m² Dust class M, electrically conductive. The combination with Dust class H is possible.

Ideal for automatic and continuous cleaning of the filter cartridge during the extraction of fine or sticky dust.

The cleaning cycles of the automatic control system can be defined according to requirements. The system cleans the filter elements in the cartridge with compressed air blasts without having to switch off the vacuum cleaner.

Attention: external compressed air required (operating pressure 6 - 8 bar)

Scope of delivery includes: compressed air reservoir, volume expansion, control unit, cartridge filter, cleaning unit (multi jet nozzles)

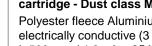
For Models

SPECIAL

OFFER!

EP 2122, EP 2130, EP 2140 ECO, EP 2150 ECO 053-3033 (incl. switch cabinet)

When ordering in combination with Vacon-FI 10% discount



Replacement filter for later purchase Filter cartridge - Dust class M

Polyester fleece Aluminium-coated, cylindrical, electrically conductive (3 pieces are required) L 500 mm / 4,2 m² **054-20182**





Atmospheric pulse Cleaning (PPU)

Sudden atmospheric pressure cleans the pockets/folds of the filter at defined intervals, including automatic control For pocket or cartridge filters

1.75 m² to 10 m² 053-3025

This requires a volume expansion: For container Ø 400 mm, height 150 mm 053-3028

For container Ø 500 mm, height 150 mm 053-3029

→ When ordering in combination with Vacon-FI 10% discount





Electromechanical filter cleaning

The filter is cleaned automatically when the vacuum is switched off. The pockets or folds of the filter are vibrated by a shaker motor and the dust is shaken off, controlled by time relays.

Universal 053-3027

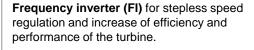
→ When ordering in combination with Vacon-FI 10% discount



Options

EVOTEC

Control options





Functions FI Esco:

- Speed control
- Remote ON/OFF

1,5 kW - 3,0 kW 054-6943 4,0 kW - 5,5 kW054-6944



Functions FI Vacon:

- Speed control
- Remote ON/OFF
- Atmospheric pressure cleaning
- PID control
- Level control
- Operating hours counter
- Vibrator motor control
- Automatic filter cleaning
- Cartridge filter cleaning



The FI takes over control functions. The corresponding hardware must be ordered separately as an option.

Control options



Remote ON/OFF via cable (FSK)

24 Volt with power supply unit (potential-free contact), output voltage 24 Volt AC with transfer point, motor protection relay,

switch = 0/Automatic/Manual.

If not in combination with FU, FSK needs its own switch box.

Without Switch box 054-6931 With Switch box 054-6930 Bracket console Switch box 054-40208



Upgrade soft start with star-delta contactor combination up to 5.5 kW 054-6935



Remote ON / OFF via Radio (FSF)

Including handheld transmitter and receiver, works to 350 m range

If not in combination with FU, FSK needs its own switch box.

With out Switch box 054-6933 054-6932 with Switch box Bracket console Switch box 054-40208

Additional handheld transmitter 054-60322

EVOTEC

Dry pre-seperator



Pre-separator with Longopac disposal system

Stainless steel container with Longopac disposal system for easy pre-separation of the material.

"Endless" bag for easy and low-contamination disposal.

With pipe bend connection piece

1 x Ø 60 mm **053-2032**

2 x Ø 50 mm **053-2033**

<u>Suitable vacuum and connection hoses for preseparators can be found online.</u>



Filter pre-separator V2A

60 litres dirt container with simple lever lowering for convenient disposal of the material.

Robust barge chassis including accessory basket. Connection pipe \varnothing 80 mm

Dust class M

incl. pocket filter 2.2 m² filter area

053-2030

Suitable absolute filter cartridge Dust class H - 2.0 m² Filter area

054-20027

<u>Suitable vacuum and connection hoses for preseparators can be found online.</u>

Wet pre-seperator



Pre-separator 100 Litres

Completely made of stainless steel with 4 swivel castors.

Various connecting bends:

 Ø 60 + Ø 50 mm =
 053-1090

 Ø 60 + Ø 40 mm =
 053-1091

 Ø 50 + Ø 50 mm =
 053-1092

 Ø 40 + Ø 40 mm =
 053-1093

 Ø 40 + Ø 50 mm =
 053-1094

Attention: Hose requires two muffs on the vacuum side.

Float system for pre-separators

for vacuuming of liquids 053-1051

Drain hose for pre-separator universally suitable 053-3010

<u>Suitable vacuum and connection hoses for preseparators can be found online.</u>



Wet pre-separator V2A

140 litres dirt container V2A with robust tilting chassis.

Drain hose for easy disposal of liquids.

Including float system for pre-separator

Connecting elbow Ø 60 and inlet bend Ø 50 mm

Attention: The vacuum hose to be used requires two muffs on the vacuum side!

053-1070

<u>Suitable vacuum and connection hoses for preseparators can be found online</u>

Practical accessory sets



Machine cleaning Set

optimal for cleaning of production machines, completely antistatic

Consisting of mass vacuum nozzle, inclined pipe rubber nozzle, pointed rubber nozzle

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







Industrial floor cleaning set

for the cleaning of all floors, completely antistatic





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

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

Height cleaning set

For cleaning at height, e.g. of supply pipes

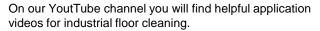
consisting of 4 hand tubes Ø 40 mm, each 500 mm long (052-1100 including connector from Ø 40 to Ø 50 mm),

pipe elbow nozzles 100 mm and 200 mm, and a wall and floor nozzle

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









(All Ø specifications refer to the hose inner diameter)





Hose material Polypropylene (PP), antistatic, with matching connection sleeves. Best suitable material for industrial use.



PP- Hose antistatic, complete with fittings

 $3.5 \text{ m lang } \emptyset 40 \text{ mm} =$ 052-0151 3,5 m lang Ø 50 mm = 052-0248 5 m lang Ø 40 mm = 052-0152 5 m lang \varnothing 50 mm = 052-0249



Linear Meter, antistatic

(for extension or self-assembly)

 \emptyset 40 mm = 052-0130 052-0230 \emptyset 50 mm =



Hose sleeve (Vacuum side) for PP-Hose antistatic

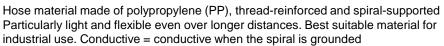
052-0140 \emptyset 40 mm = Ø 50 mm = 052-0240



Hose sleeve (boiler side) for PP- Hose antistatic Including retaining ring

 \emptyset 80 - 40 mm = 052-0159 \emptyset 80 - 50 mm = 052-0256

Superflex hoses and • components





Superflex-Hose, conductive, complete with sleeves

3.5 m Ø 40 mm = 052-0153 3,5 m Ø 50 mm = 052-0250 5 m Ø 40 mm = 052-0154 $5 \text{ m } \emptyset 50 \text{ mm} =$ 052-0251



Linear Meter, conductive

(for extension or self-assembly)

Ø 40 mm = 052-0133 Ø 50 mm = 052-0233 \emptyset 60 mm = 054-90037



Hose sleeve (Vacuum side) for Superflex- Hose antistatic

 \emptyset 40 mm = 052-0139 Ø 50 mm = 052-0239



Hose sleeve (boiler side) including retaining ring

for Superflex-Hose antistatic

 \emptyset 80 - 40 mm = 052-0158 \emptyset 80 - 50 mm = 052-0255

(All Ø specifications refer to the hose inner diameter)



PUR-hoses and **(E)** - components

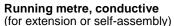
Hose material: polyurethane (PUR). Reinforced by integrated steel spiral. Oil resistant, very stable and suitable for abrasive dusts. Heat resistant to 125°C. Highly suitable material for extreme industrial use.

Conductive = Conductive when the spiral is grounded



PUR- hose, conductive, complete with sleeves

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





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



Hose sleeve (vacuum side) for PUR-Hose antistatic

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



Hose sleeve (boiler side) for PUR-Hose antistatic Including retaining ring

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

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

Completely electrically conductive 10^3 to 10^4 Ω



ESD-Superflex-Hose

Completely electrically conductive $10^4 \Omega$ light and flexible, spiral-supported and thread-reinforced

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



ESD-PUR-Hose

Completely electrically conductive $10^{3} \Omega$ robust and spiral supported

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



Hose sleeve (vacuum side)

for **ESD-Superflex-Hose** antistatic

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

for **ESD-PUR-Hose** antistatic

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



Hose sleeve (boiler side) Including retaining ring

for **ESD-Superflex-Hose** antistatic

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

for ESD-PUR-Hose antistatic

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

Notes



Notes



Notes





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