

EVOTEC



Industrial Vacuum Cleaner EP 2175/ 21130



**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
- ★ Strong extraction power, also suitable for pipe systems
- ★ Convenient dirt container lowering

EVOTEC

EP 2175
EP 21130

Versions:



EP Dry vacuum – 400 Volt

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

High quality standards - Well-designed, 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.

Alternatively as an upgrade: Cartridge filter system with manual atmospheric pressure cleaning (**PFA m. ADA**).

2nd Filter stage:

Dust class H

Absolute cartridge filter (**H14**).

Tool-free and **low-contamination filter change.**

Rotation direction phase monitor and vacuum limiting valve **for trouble-free use of the unit.**

Vacuum connection Ø 80 mm:

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

Vacuum connection Ø 150 mm:

Vacuum opening with flared connection piece.

Length connection cable: 8 m

Model		EP 2175	EP 21130
Voltage	Volt	400	
Engine power	Watt	7.500	12.500
Max. air volume	m³/h	700	1.100
Negative pressure	mbar	260 / 320 max.	360 / 420 max.
Filter area „M“ Filter area „H“ (H14)	m² m²	5,2 + 4,3	
Dirt container	ltr.	100	
Protection class		IP 55	
Noise level	dB(A)	78	
Vacuum connection	Ø mm	80	150
Dimensions LxWxH	cm	148 x 68 x 187	
Weight	kg	340	350
Dust class M	Item-No.	251-2000	251-2010
Dust class M/Type 22 	Item-No.	251-2001	251-2011
Dust class H	Item-No.	251-2002	251-2012
Dust class H/Type 22 	Item-No.	251-2003	251-2013
Upgrade PFA m. ADA	Item-No.	053-3005	

Hose and accessories optionally available.



Accessories and options EVOTEC vacuum cleaners

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Pocket and cartridge filters



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 °C
Continuous up to 150 °C

5,20 m², Ø 500 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**)

5,20 m², Ø 500 mm =

054-20130



Dust class H (H14)

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

Replacement filter for repurchasing

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:

100-l-Container =

235-1031



Accessories and options



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



Options

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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 vacuuming 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)

053-3023

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**



When ordering in combination with Vacon-FI 10% discount

SPECIAL OFFER!

Filter cleaning options



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 500 mm, height 150 mm

053-3029

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

SPECIAL OFFER!



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

SPECIAL OFFER!

Control options



Frequency inverter (FI) for stepless speed regulation and increase of efficiency and performance of the turbine.

Functions FI Esco:

- Speed control
- Remote ON/OFF

7,5 kW – 15 kW

054-6945



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

7,5 kW – 15 kW

054-6942

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 FI, FSK needs its own switch box.

Without Switch box

054-6931

With Switch box

054-6930

Bracket console Switch box

054-40208



Remote ON / OFF via Radio (FSF)

Including handheld transmitter and receiver, works to 350 m range

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

With out Switch box

054-6933

with Switch box

054-6932

Bracket console Switch box

054-40208

Additional handheld transmitter **054-60322**

Options

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Dry pre-seperator



Pre-seperator 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**

Suitable vacuum and connection hoses for pre-separators can be found online in the accessories.



Filter pre-seperator V2A

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

Robust barge chassis including accessory basket.
Connection pipe Ø 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

Suitable vacuum and connection hoses for pre-separators can be found online in the accessories.

Wet pre-seperator



Pre-seperator 100 Liters

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-seperator
universally suitable **053-3010**

Suitable vacuum and connection hoses for pre-separators can be found online in the accessories.



Wet pre-seperator V2A

140 litres dirt container V2A with robust tilting chassis.

Drain hose for easy disposal of liquids.

Including float system for pre-seperator

Connecting elbow Ø 60 and vacuum bend Ø 50 mm

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

053-1070

Options

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Pre-seperator



Container with hinged floor 1000 liters

With Ø 80 connections

For pre-separation of solids (e.g. peat, earth, sand, etc.)

Tension springs dampen the bottom flap during the emptying process

Automatic closing of the bottom flap during settling

Unlocking by cable from the forklift seat

Chain protection against slipping off the tines

053-2020



Drum pre-separator 210 Litres

210 litres standard drum powder coated, diameter 595 mm, height 860 mm, universal use as pre-separator with vacuum connections

Ø 40 mm = **053-1043**

Ø 50 mm = **053-1044**

Float system for pre-separators

Universal fit, also suitable for the kit

053-1051

Or only as kit for drum pre-separator

for self-installation, with vacuum connections

Ø 40 mm = **053-1041**

Ø 50 mm = **053-1042**



Pre-seperator



Big bag silo pre-separator

For the pre-separation of solids (e.g. peat, soil, sand, etc.).

Pre-separator container with hopper and heavy-duty flap.

Connection bends 2 x Ø 100 mm

053-2050

Optionally available in other versions:

Various discharge options

- Heavy
- duty flap
- Rotary valve
- Butterfly valve.

Various connections and Ø sizes available on request.



Tipping container pre-separator 500 litres

With Ø 80 connections

For pre-separation of solids and liquids.

Tipping at any height by cable pull from the forklift seat.

Stable base frame with drive-in pockets, favourable load centre of gravity.

Secured against unintentional slipping and tipping out

053-2010



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