

EVOTEC



EXTRACTION SYSTEMS AND INDUSTRY VACUUMS BY



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INDUSTRY VACUUMS



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EVO TOOL VAC



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EVO TOOL VAC Dry and wet vacuum cleaner

EVOTEC

- 300 €
Mit BG BAU Förderung



Image shows exemplary use

- ★ Practical tooling vacuum cleaner ideal for use in crafts and workshops
- ★ Long filter service life and safe operation due to automatic filter cleaning (NONSTOPVAC)
- ★ Additional powerful socket (2400 watts max.) with automatic switch-on for power tools
- ★ Listed with BG Bau for possible receipt of an occupational health and safety bonus

EVO TOOL VAC

Versions:



**IEC / IECCE
certificated**

EVO TOOL VAC Dry and wet vacuum cleaner

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Air flow adjustable
to diameter of
accessories

Signal lights for
monitoring filter
and air flow rate



Power socket 2400
Watt

Adjustable suction
power

NONSTOPVAC
Filter dedusting

Engine protection:
Cooling air filter

Position main filter,
flat, filter class M
0.5 m²

Hook for
accessories and
cable holder

Seat Cartridge filter
HEPA, filter class H
0.8 m²

Position fleece filter
20 l

Dirt container with
PE bag 26 l

Swivel castors with
brakes and
directional stop

Stable wheels



Reliably powerful tooling vacuum cleaner, ideal for use in crafts and workshops. Suitable for extracting hazardous substances up to asbestos.

Powerful socket (2400 watts max.) for power tools.

Integrated automatic switch-on enables convenient and clean working.

Air flow can be individually adjusted to the diameter of the accessories.

Intuitive and clear control:

Adjustable suction power, signal lights to monitor filter and air flow rate.

Two-stage filtration system:

1st Filter stage:

Dust class M PTFE flat filters.

2nd Filter stage:

Dust class H

Additional HEPA Cartridge filter for vacuuming hazardous dusts.

Automatic filter cleaning (NONSTOPVAC) ensures safe operation with long filter service life.

Length connection cable: 7 m

Model		EVO TOOL VAC
Voltage	Volt	230
Engine power	Watt	1.100
Max. air flow	m³/h	270
Max. negative pressure	mbar	250
Filter area „M“	m²	0,5
Filter area „H“ (H14)	m²	0,8
Dirt container	l	26
Protection class		IP X4
Noise level	dB(A)	74
Dimensions LxWxH	cm	62,5 x 38,5 x 54,5
Weight	kg	21
Dust class M	I.-No.	141-5050
Dust class H	I.-No.	141-5060
Dust class H-asbestos	I.-No.	141-5070

Scope of delivery includes:





4 m suction hose Ø 33 mm, hand tube (2 pieces), curved pipe, scoring nozzle, sealing cap, vacuum nozzle, tool-adaptor, 1 textile fleece filter bag, PTFE flat pleated filter dust class M.







Accessories EVO TOOL VAC

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(All Ø-data refer to the hose inner diameter, DN)

Accessories	
	Floor cleaning set TOOL VAC Consisting of: Chrome-plated hand tube 0.5 m, antistatic curved tube, antistatic dry/wet vacuum nozzle with rubber strips Ø 33 mm 052-1015
	Hand tube, chrome-plated TOOL VAC (2 pieces are required), length 0,5 m Ø 33 mm 052-0411
	Curved pipe TOOL VAC Antistatic Ø 33 mm 052-0423
	Scoring nozzle TOOL VAC Antistatic Ø 33 mm 052-0414

Accessories	
	Sealing cap TOOL VAC Antistatic Ø 33 mm 052-0415
	Vacuum nozzle TOOL VAC Brush strip, antistatic, Working width 360 mm Ø 33 mm 052-0412
	Dry/wet vacuum nozzle TOOL VAC With rubber strips, antistatic Working width 360 mm Ø 33 mm 052-0422
	PP hose TOOL VAC Antistatic, incl. curved pipe Ø 33 mm, 4 m length 052-0410

Filters and accessories EVO TOOL VAC



Accessories and filters	
	Tool adapter TOOL VAC Antistatic, adjustable, to connect power tools Ø 33 mm 052-0413
	PE bag TOOL VAC For maximum safety when disposing vacuumed dust, VE = 2 pieces 26 l 052-0420
	Textile fleece filter bag TOOL VAC Durable, for easy disposal VE =10 pieces 20 l 052-0416
	PTFE Flat pleated filter TOOL VAC dust class M Filter stage for exhaust air purification, washable Filter area 0,5 m² 052-0417

Accessories and filters	
	HEPA cartridge filter TOOL VAC Dust class H For vacuuming substances hazardous to health Filter area 0,8 m² 052-0418
  	Adapter for tool boxes TOOL VAC Enables the Systainer to be mounted directly on the motor head 052-0419 Matching Systainer - Tool Systainer LxBxH: 396 x 296 x 105 mm 052-0424 - PPE-Systainer LxBxH: 396 x 296 x 160 mm 052-0425 - Hose and accessories-Systainer LxBxH: 396 x 296 x 420 mm 052-0426
	Transport handle TOOL VAC For convenient transport with the adjusted Systainer 052-0421

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ECODust Pro



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ECODustPro – Dry vacuum – 230 Volt

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- ★ Compact design, large fixed castors suitable for use on stairs
- ★ Convenient dirt container lowering
- ★ ECODESTPRO 12 LP:
TRGS 519 certificated for **Asbestos** works
- ★ ECODESTPRO 15: Side channel blower for **continuous operation**
- ★ Available as water bath vacuum cleaner: Inert safety vacuum cleaner for vacuuming reactive metal dusts
- ★ Disposal options: Different container sizes 25, 35, 50 litres or with Longopac endless bag
- ★ Filter cleaning manually or via atmospheric pressure cleaning

Image shows optional gate valve

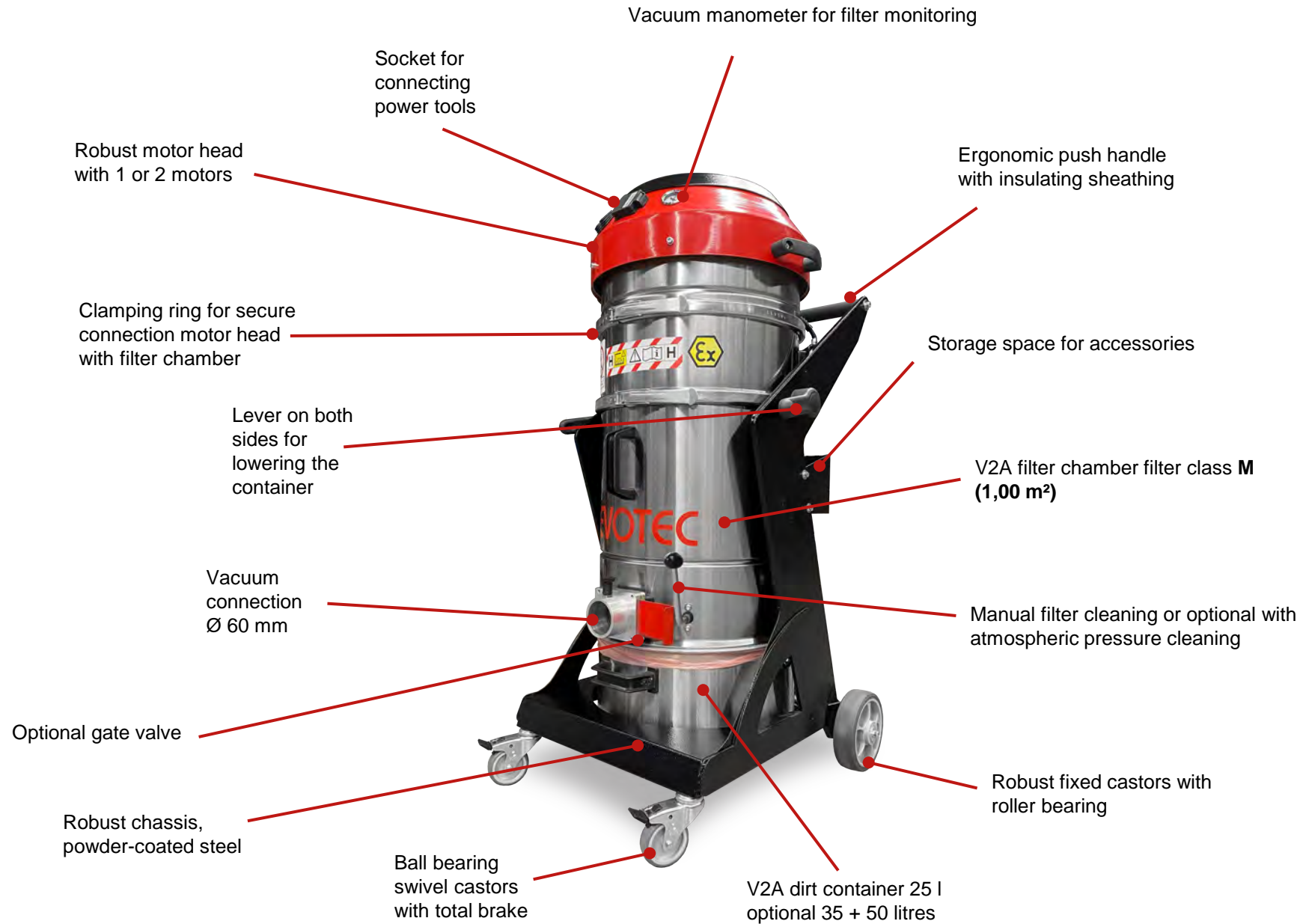
ECODustPro 12
ECODustPro 15
ECODustPro 15WB
ECODustPro 24

Versions:



ECODustPro 12/24

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ECODustPro 15

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Maintenance
free turbine

Silencer

Vacuum relief valve
(Turbine overheating protection)

Clamping ring for secure
connection of the
motor head and the filter
chamber

Position H-Filter

V2A filter chamber filter
class **M**
(1,00 m²)

Vacuum
connection
Ø 60 mm

Storage space
for accessories

V2A dirt
container 25 l.
Optional 35 + 50l
or as Longopac
version

Manual filter
cleaning



**ECODustPro 15
Clean room version
with enclosed motor
head**

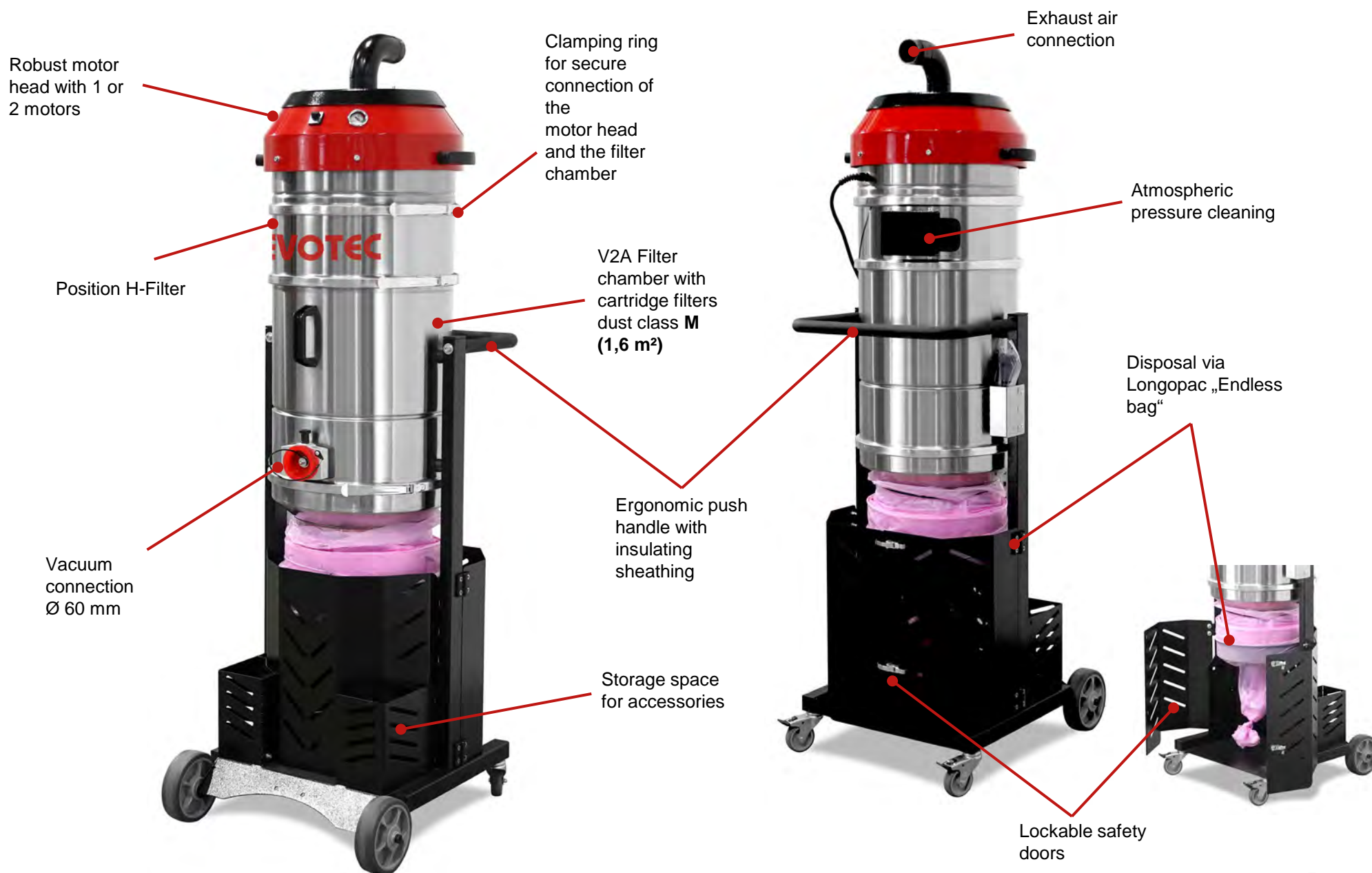


**ECODustPro 15
with atmospheric
pressure cleaning**

ECODustPro 12/24 LP Asbestos

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ECODustPro 24 meets the requirements for the extraction of asbestos according to TRGS 519



ECODustPro 15-WB Inert Safety Vacuum Cleaner



ECODustPro 15-WB Clean room version with enclosed motor head

Powerful industrial vacuums for vacuuming all dry dusts - from coarse dirt to microparticles (µm)

High quality standards – Well-designed by-pass units, silenced turbo fan.

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

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

1st filter stage: Dust class M
Resistant polyester needle felt filter with PUR membrane, high filtering power for long service life.

Alternatively available as upgrade: Cartridge filter VA/
Polyester antistatic. (**Filter area** depending on model 1,0 m² or 1,6 m²)

2nd filter stage: Dust class H
Absolute cartridge filter (H14).

Effective, easy-to-use filter cleaning, manually or via atmospheric pressure, for high filtering power and long working intervals without interruption.

Scope of delivery includes: 3,5 m vacuum hose Ø 40 mm and scoring nozzle. Length of connection cable 8 m.

Vacuum manometer for filter monitoring. Patented, tool-free filter change - easy and clean for employees/maintenance service.

Wide range of disposal options:
Dirt container 25/35/50 litres or via Longopac endless-bag.

ECODustPro 12 ASBESTOS-Version.

GS-certificated according to **TRGS519** for the extraction of carcinogenic asbestos dusts. *ECODustPro 24 ASBESTOS-Version meets the requirements for the extraction of asbestos according to TRGS 519.*

ECODustPro 15 and 15 WB
Clean-room-Upgrade: With enclosed motor head.



ECODustPro 15 WB Inert-Safety Vacuum:

Wet separation. Passivation of explosive reactive dusts. CE conformity according to DIN-EN 60335-2-69 incl. Annex AA as well as 2014/34/EU ATEX Zone 22.

1st filter stage: Liquid bath separator

2nd filter stage: Demister, VA-filter

3rd filter stage: H14 cartridge filter

Model		ECODustPro 12	ECODustPro 15	ECODustPro 24	ECODustPro 15 WB
Voltage	Volt	230			
Engine power	Watt	1.200	1.500	2.400	1.500
Max. Air flow	m³/h	165	220	330	220
Negative pressure	mbar	210	200 / 240 max.	210	200 / 240 max.
Filter area	m²	M: 1,00	M: 1,00	M: 1,00	VA: 1,0
Filter area	m²	H14: + 1,7	H14: + 1,7	H14: + 1,7	H14: + 1,7
Dirt container	ltr.	25	25	25	50 Min.-Level: 12 Max.-Level: 15,5
Protection class	mm	IP X4	IP 55	IP 33	IP 55
Noise level	dB(A)	74	72	78	76
Vacuum connection	Ø mm	60	60	60	40 Kamlock
Dimensions LxWxH	cm	48 x 60 x 105	48 x 60 x 138	48 x 60 x 105	48 x 56 x 138
Weight	kg	25	49	25	59
Dust class M	I.-Nr.	151-3090	151-3093	151-3097	--
Dust c. M/Type22 	I.-Nr.	--	151-3094	--	--
Dust class H	I.-Nr.	151-3091	151-3095	--	--
Dust class H/Asbestos	I.-Nr.	151-3092	--	151-3098	--
Dust c. H/Type22 	I.-Nr.	--	151-3096	--	151-3099
Upgrades:					
Dirt container 35 l	I.-Nr.	053-4040			
Dirt container 50 l	I.-Nr.	053-4041			
Longopac	I.-Nr.	053-xxxx			
Clean room version	I.-Nr.	053-xxxx			
Upgrade cartridge filters	Filter area I.-Nr.	2 x 0,5 m² 053-3002	2 x 0,8 m² 053-3001	2 x 0,8 m² 053-3001	--

Accessories for ECODustPro 12/15/24

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Filter dust class M	
	<p><u>Pocket filters:</u></p> <p>Dust class M Polyester needle felt with PUR membrane, filter area 1,0 m², Ø 400 mm</p> <p>Non-stick property – for sticky or adhesive dusts. Also for the extraction of fine dusts with abrasive nature (e.g. glass fibre)</p> <p>Standard = 054-20156 Antistatic = 054-20223</p>
	<p>Upgrade cartridge filter system atmospheric pressure cleaning</p> <p>Consisting of atmospheric pressure cleaning and matching cartridge filters 1.0 m²/1.6 m² filter area.</p> <p>Attention: Must be ordered with the device. Can not be refitted.</p> <p>For ECODustPro 12 (Filter area 1,0 m²) = 053-3002 For ECODustPro 15/24 (Filter area 1,6 m²) = 053-3001</p>
	<p><u>Cartridge filters:</u></p> <p>Dust class M For repurchasing when used with upgrade cartridge filter system. Polyester fleece, aluminium coated, electrically conductive. 2 pieces are required.</p> <p>Filter area 0,5 m², length 250 mm (1 piece)= 054-20124</p> <p>Filter area 0,8 m², length 400 mm (1 piece)= 054-20199</p>

Filter dust class H	
	<p>Dust class H (H14)</p> <p>Absolute cartridge filters for all EVOTEC models Support grille on both sides</p> <p>Replacement filter for repurchasing: 1,7 m², Ø 400 mm = 054-20018</p>

Disposal options ECODustPro 12/15/24

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Disposal options



Plastic disposal bag, antistatic ESD

Selling unit = 10 pieces

for dust-free disposal of dust classes M and H. Extremely stable and "nail test" proven. Perfect fit due to round bottom design - By-Pass not necessary! Suitable for:

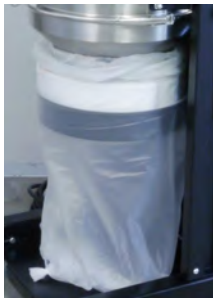


25/35-l-container (ESD, pink) = **235-1011**

Plastic disposal bag black, electrically conductive

Selling unit = 10 pieces

Suitable for 50-l-container = **235-1040**



Longopac - bags

„Endless“-bags for easy and dust-free disposal of the material. 20 metre foil hose with cable ties for sealing.

Selling unit = 4 units á 20 meters

Strong ESD quality

Thickness: 68 mic.

235-1050

Strong quality (non ESD)

Thickness: 68 mic.

235-1060



Optionally with **horizontal clamps** (prevents the bag from floating up)

Item No.:

054-70358

Protective doors for Longopac versions



Lockable safety doors

ECODustPro asbestos vacuum cleaners are fitted with safety doors as standard.

For Longopac versions without asbestos upgrade:

Recommended when vacuuming fine and/or hazardous media. Prevent accidental damage to the Longopac bag, which is filled with hazardous dust.

Attention: Must be ordered with the device. Can not be refitted.

Item No.:

054-5121

Accessories and filters for ECODustPro 15 WB



Options and accessories for liquid bath vacuum cleaners	
	<p>Spare or exchange container 50 ltr. </p> <p>Liquid bath pre-separator incl. lid with demister insert, drain hose (optical level control), Kamlock vacuum connection Ø 40 mm.</p> <p>054-3115</p>
	<p>Kamlock coupling </p> <p>For vacuum connection Ø 40 mm hose nozzle</p> <p>052-0198</p>
	<p>Drain hose</p> <p>For liquid bath pre-separators</p> <p>Ø25mm, linear metre. = 054-30033</p>

Options and accessories for liquid bath vacuum cleaners	
	<p>Cartridge filters dust class M</p> <p>Polyester fleece electrically conductive, 0,5 m², L 250 mm (2 pieces are required)</p> <p>1 piece 054-20124</p>
	<p>Stainless steel demister for Water bath separator Height 50mm, density 175 kg/m³</p> <p>Demister 054-90190</p> <p>Holder for Demister 054-30102 (3 pieces are required)</p>
	<p>Absolute cartridge filter H14 Support grids on both sides,</p> <p>Replacement filter for repurchasing 1,7 m², Ø 400 mm = 054-20018</p>

Practical accessory sets

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Machine cleaning Set

optimal for cleaning
of production machines, completely antistatic.

Consisting of mass 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**



You Tube



On our YouTube channel you will find helpful application
videos for industrial floor cleaning.

(All Ø specifications refer to the hose inner diameter)

PP-Hoses and - components

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



PP-Hose antistatic, complete with fittings

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



Linear Meter, antistatic (for extension or self-assembly)

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



Hose sleeve (vacuum side) for PP-Hose antistatic

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



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

Only for ECODustPro
Ø 60 - 40 mm **052-0145**
Ø 60 - 50 mm **052-0244**

Superflex hoses and - components

Hose material made of polypropylene (PP), thread-reinforced and spiral-supported
Particularly light and flexible even over longer distances. Best suitable material for industrial use. Conductive = conductive when the spiral is grounded



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 m Ø 50 mm = **052-0251**



Linear Meter, conductive (for extension or self-assembly)

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



Hose sleeve (vacuum side) for Superflex-Hose antistatic

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



Hose sleeve (boiler side) including retaining ring for Superflex-Hose antistatic

Only for ECODustPro
Ø 60 - 40 mm **052-0144**
Ø 60 - 50 mm **052-0243**

(All Ø specifications refer to the hose inner diameter)

PUR-hoses and - 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 long Ø 40 mm = **052-0155**
 3,5 m long Ø 50 mm = **052-0252**
 5 m long Ø 40 mm = **052-0156**
 5 m long Ø 50 mm = **052-0253**

Running metre, conductive
 (for extension or self-assembly)



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

Only for ECODustPro
 Ø 60 - 40 mm **052-0146**
 Ø 60 - 50 mm **052-0245**

ESD-hoses and - components

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 10³ to 10⁴ Ω.



ESD-Superflex-hose

Completely electrically conductive 10⁴ Ω light and flexible, spiral-supported and thread-reinforced

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



ESD-PUR-hose

Completely electrically conductive 10³ Ω 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 Only for ECODustPro
 for **ESD-Superflex-Hose** antistatic

Ø 60 - 40 mm = **052-0144**
 Ø 60 - 50 mm = **052-0243**

for **ESD-PUR-Hose** antistatic
 Ø 60 - 40 mm **052-0146**
 Ø 60 - 50 mm **052-0245**

Vacuum arms

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Vacuum arms, RG2



Extraction arms enable **spot extraction** directly at the point of origin.

Easy to handle and position due to **self-supporting construction** with three stable joints.

Standard available in types

Aluminium with polypropylene joints (white)

ESD available in types

for ESD areas (electrostatic discharge, certified according to IEC 61340-5-1).

Ideal for use in laboratories, electronics manufacturing, pharmaceutical industry, etc.

+ Energy saving

+ Low noise

+ Low pressure loss

Picture on vacuum cleaner:

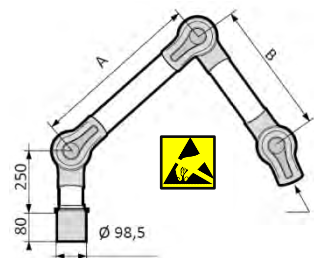
ESD/ATEX version

Ø 75 mm - Range 1,300 mm

incl. option: hood tube and flat hood

incl. option: console

Further available types and sizes on request !!



Vacuum arm ESD

Including holder for panel feed-through
Ø 50 mm

Range 1.300 mm **072-0400-ESD**

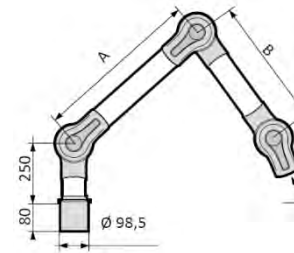
Range 1.500 mm **072-0401-ESD**

Ø 75 mm

Range 1.300 mm **072-0402-ESD**

Range 1.500 mm **072-0403-ESD**

Vacuum arms, RG2



Vacuum arm standard

Including holder for panel feed-through

Ø 50 mm

Range 1.300 mm

072-0400

Range 1.500 mm

072-0401

Ø 75 mm

Range 1.300 mm

072-0402

Range 1.500 mm

072-0403



Universal console

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

Ø 50 mm

053-3051

Ø 75 mm

053-3061



Flat hood 300 x 200 mm

Especially suitable for gases and vapours. High extraction efficiency when positioned vertically to the table surface, including hood tube

Standard Ø 50 mm

072-0414

ESD Ø 50 mm

072-0414-ESD

Standard Ø 75 mm

072-0415

ESD Ø 75 mm

072-0415-ESD



Vacuum tip, length 300 mm

For smaller, concentrated sources of pollutants. Overhang of the vacuum tip for increased vacuum efficiency

Standard Ø 50 mm

072-0410

ESD Ø 50 mm

072-0410-ESD

Standard Ø 75 mm

072-0411

ESD Ø 75 mm

072-0411-ESD

EVOTEC



EP 1136



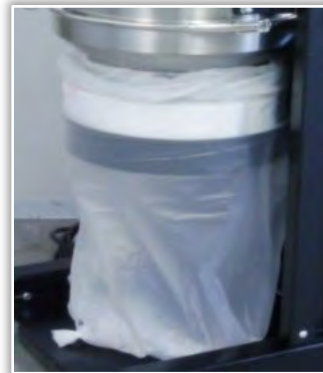
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EP Dry Vacuum – 230 Volt



- ★ Perfect filter technology for safe extraction
- ★ Strong vacuum power
- ★ Convenient dirt container lowering
- ★ Parts in contact with the product made of V2A stainless steel (1.4301)
- ★ In Longopac-Version available



EVOTEC

EP 1136

Versions:



EP Dry Vacuum – 230 Volt

EVOTEC



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

High quality standards - Well-designed by-pass units, silenced turbo fan.

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

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

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**).

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

Patented, tool-free filter change - simple and clean for staff/maintenance service.

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

Length connection cable: 8 m

Model		EP 1136	EP 1136 LP
Voltage	Volt	230	
Engine power	Watt	3.600	
Max. air volume	m³/h	490	
Negative pressure	mbar	210	
Filter area „M“	m²	2,2	
Filter area „H“ (H14)	m²	+ 2,0	
Disposal		Dirt container 60 l	Longopac
Protection class		IP 33	
Noise level	dB(A)	78	
Vacuum connection	Ø mm	80	
Dimensions LxWxH	cm	86 x 68 x 138	
Weight	kg	75	
Dust class M	I.-No.	151-1080	151-1086
Dust class H	I.-No.	151-1081	151-1087

Scope of delivery includes:

3,5 m hose Ø 50 mm and scoring nozzle



Accessories and options EVOTEC vacuum cleaners



Pocket 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 °C
 Continuous up to 150 °C

2,20 m², Ø 500 mm =	054-20116
3,20 m², Ø 500 mm (Img.) =	054-20117
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**)

2,20 m², Ø 500 mm (Abb.) =	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 EVOTEC models
 Support grille on both sides,
 Replacement filter for repurchasing

2,0 m², Ø 500 mm =	054-20027
4,3 m², Ø 500 mm =	054-20033

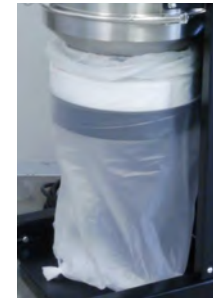
Disposal options



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
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Longopac - Bags
 „Endless" bag for easy and dust-free disposal of the material. 20 metre foil tube with cable ties for sealing.
PU = 4 units á 20 meters
Strong ESD quality
 Thickness: 68 mic. **235-1050**
Strong quality (not ESD)
 Thickness: 68 mic. **235-1060**



Optionally with horizontal tensioner (prevents the bag from floating up)

Practical accessory sets

Machine cleaning Set

optimal for cleaning
of production machines, completely antistatic

Consisting of mass 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**



YouTube



On our YouTube channel you will find helpful application
videos for industrial floor cleaning.

(All Ø specifications refer to the hose inner diameter)

PP-Hoses and - components

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



PP-Hose antistatic, complete with fittings

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



Linear Meter, antistatic (for extension or self-assembly)

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



**Hose sleeve (vacuum side)
for PP-Hose antistatic**
Ø 40 mm = **052-0140**
Ø 50 mm = **052-0240**



**Hose sleeve (boiler side)
for PP-Hose antistatic
Including retaining ring**
Ø 80 - 40 mm = **052-0159**
Ø 80 - 50 mm = **052-0256**



Hose holder
Optimal for storing longer hoses. Suitable for all models with a 60 l container.

Item No.: **053-3070**

Superflex hoses and - components

Hose material made of polypropylene (PP), thread-reinforced and spiral-supported. Particularly light and flexible even over longer distances. Best suitable material for industrial use. Conductive = conductive when the spiral is grounded



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 m Ø 50 mm = **052-0251**



Linear Meter, conductive (for extension or self-assembly)

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



**Hose sleeve (vacuum side)
for Superflex-Hose antistatic**
Ø 40 mm = **052-0139**
Ø 50 mm = **052-0239**



**Hose sleeve (boiler side)
including retaining ring
for Superflex-Hose antistatic**
Ø 80 - 40 mm = **052-0158**
Ø 80 - 50 mm = **052-0255**

(All Ø specifications refer to the hose inner diameter)

PUR-hoses and - 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

	<p>PUR- hose, conductive, complete with sleeves</p> <p>3,5 m long Ø 40 mm = 052-0155 3,5 m long Ø 50 mm = 052-0252 5 m long Ø 40 mm = 052-0156 5 m long Ø 50 mm = 052-0253</p> <p>Running metre, conductive (for extension or self-assembly)</p>
	<p>Ø 40 mm = 052-0136 Ø 50 mm = 052-0236 Ø 70 mm = 052-0309</p> <p>reinforced version:</p> <p>Ø 40 mm = 052-0157 Ø 50 mm = 052-0254 Ø 70 mm = 052-0310</p>
	<p>Hose sleeve (vacuum side) for PUR-Hose antistatic</p> <p>Ø 40 mm = 052-0141 Ø 50 mm = 052-0241 Ø 70 mm = 052-0311</p>
	<p>Hose sleeve (boiler side) for PUR-Hose antistatic Including retaining ring</p> <p>Ø 80 - 40 mm = 052-0160 Ø 80 - 50 mm = 052-0257</p>

ESD-hoses and - components

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 10³ to 10⁴ Ω

	<p>ESD-Superflex- hose</p> <p>Completely electrically conductive 10⁴ Ω light and flexible, spiral-supported and thread-reinforced</p> <p>Ø 40 mm = 052-0200 Ø 50 mm = 052-0287</p>
	<p>ESD-PUR-hose</p> <p>Completely electrically conductive 10³ Ω robust and spiral supported</p> <p>Ø 40 mm = 052-0196 Ø 50 mm = 052-0281</p>
	<p>Hose sleeve (vacuum side)</p> <p>for ESD-Superflex-Hose antistatic</p> <p>Ø 40 mm = 052-0139 Ø 50 mm = 052-0239</p> <p>for ESD-PUR-Hose antistatic</p> <p>Ø 40 mm = 052-0141 Ø 50 mm = 052-0241</p>
	<p>Hose sleeve (boiler side) Including retaining ring</p> <p>for ESD-Superflex-Hose antistatic</p> <p>Ø 80 - 40 mm = 052-0158 Ø 80 - 50 mm = 052-0255</p> <p>for ESD-PUR-Hose antistatic</p> <p>Ø 80 - 40 mm = 052-0160 Ø 80 - 50 mm = 052-0257</p>

EVOTEC



EP 1702/1703



INNOVATIVE
EXTRACTION
TECHNOLOGY



EP Dust extractor – 230 Volt

EVOTEC



- ★ Very large volume flow
- ★ Accessories can be conveniently transported on the vacuum cleaner
- ★ Filter chamber and container made of V2A stainless steel (1.4301)
- ★ Manual filter cleaning
- ★ Energy-efficient EC motors suitable for continuous operation
- ★ Optional: Extraction arm for optimal extraction directly at the point of origin



EP 1702
EP 1703

Versions:



Powerful dust extractor with high air volume for capturing and filtering dry and hazardous to health airborne particles.

Specially developed for the **reliable extraction and filtration of dry dust** generated during various work processes.

Critical fine dusts are reliably extracted and filtered.

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

Flow rate infinitely variable.

1st Filter stage:

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

2nd Filter stage:

Dust class H

Absolute cartridge filter (**H13/14**).

Effective, easy-to-use **manual filter cleaning** for high filter power and long working intervals without interruption. Powerful brushless EC motors for continuous operation.


Vacuum gauge for filter monitoring.

Big vacuum inlet Ø 150 mm with bordure socket.

Upgrade EX protected according to ATEX for safe extraction in zone 22.

Length connection cable: 8 m

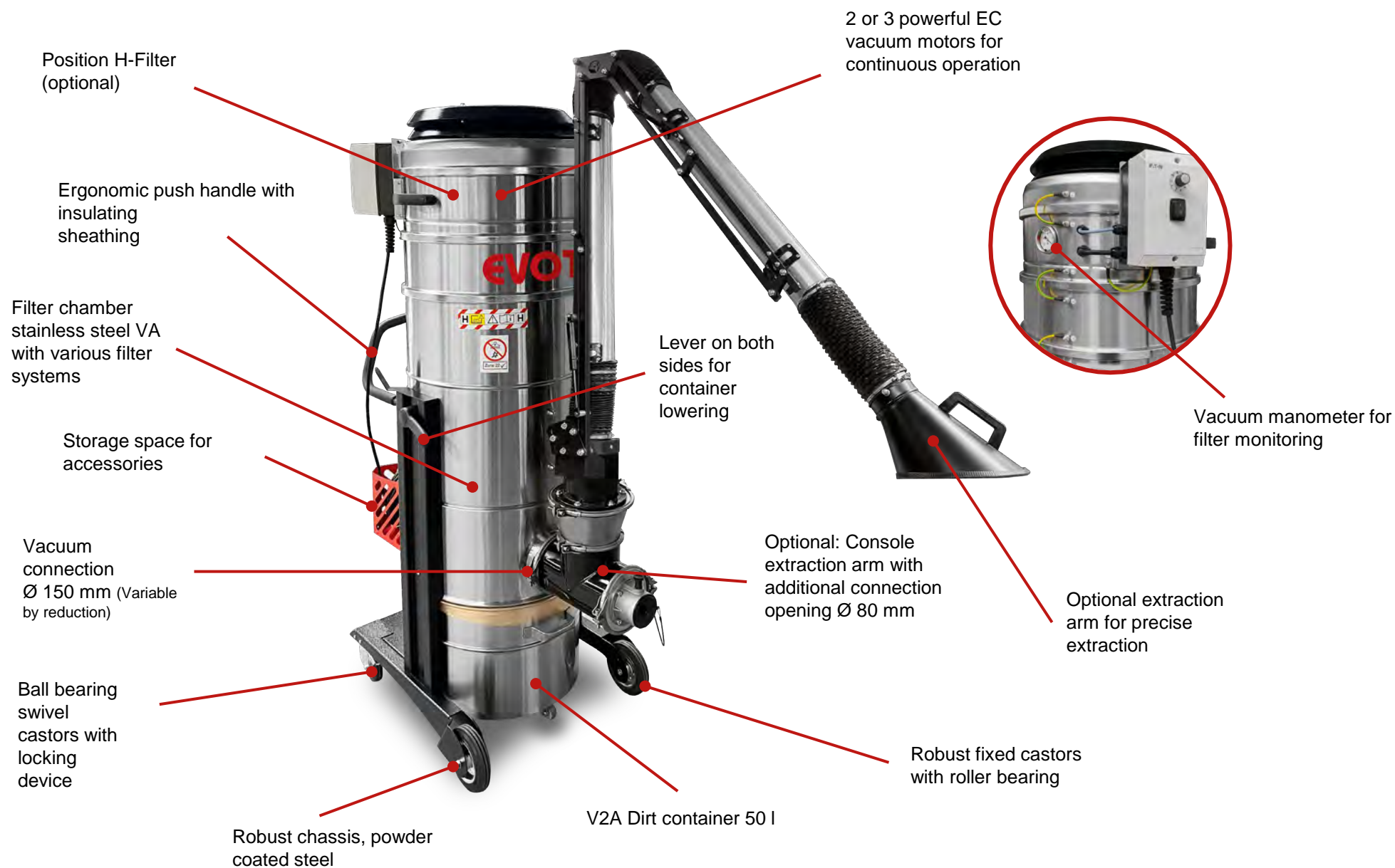


Model		EP 1702	EP 1703
Voltage	Volt	230	400
Engine power	Watt	2 x 1.100	3 x 1.100
Max. air volume	m³/h	910	1.360
Negative pressure	Pa	10.000	
Filter area „M“	m²	4,1	
Filter area „H“	m²	4,3	
Dirt container	ltr.	50	
Protection class		IP 54	
Noise level	dB(A)	72 dB (A)	
Vacuum connection	Ø mm	150	
Dimensions LxWxH	cm	85 x 80 x 200	
Weight	kg	120	
Dust class M	Item No.	151-3080	151-3082
Dust class H	Item No.	151-3081	151-3083
Upgrade EX-protection 	Item No.	054-8042	



EP Dust extractor – 230 Volt

EVOTEC



Accessories and options



Filters and disposal	
	<p>Dust class M Polyester needle felt with antistatic PUR membrane</p> <p>Antistatic - for the extraction of dusts that can become statically charged (installed as standard in EVOTEC units)</p> <p>4,1 m², Ø 500 mm = 054-20224</p>
	<p>Dust class H (H14)</p> <p>Absolute cartridge filter Dust class H (H14), support grids on both sides</p> <p>4,3 m², Ø 500 mm = 054-20033</p>
	<p>Plastic waste disposal bags, antistatic ESD </p> <p>PU = 10 pieces</p> <p>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!</p> <p>Plastic disposal bag black, electrically conductive VE = 10 pieces Suitable for 50 l container = 235-1040</p>

Device options dust extractor EP1702/1703																	
	<p>Vertical extraction arm, incl. extraction bonnet <i>Console to be ordered separately</i></p> <p>Aluminium version (as shown)</p> <table> <tr> <td>Ø 125 mm, length 2,0 m</td><td>054-90332</td></tr> <tr> <td>Ø 125 mm, length 3,0 m</td><td>054-90342</td></tr> <tr> <td>Ø 160 mm, length 2,0 m</td><td>054-90333</td></tr> <tr> <td>Ø 160 mm, length 3,0 m</td><td>054-90343</td></tr> </table> <p>ATEX version VA </p> <table> <tr> <td>Ø 125 mm, length 2,0 m</td><td>054-90330</td></tr> <tr> <td>Ø 125 mm, length 3,0 m</td><td>054-90340</td></tr> <tr> <td>Ø 160 mm, length 2,0 m</td><td>054-90331</td></tr> <tr> <td>Ø 160 mm, length 3,0 m</td><td>054-90341</td></tr> </table>	Ø 125 mm, length 2,0 m	054-90332	Ø 125 mm, length 3,0 m	054-90342	Ø 160 mm, length 2,0 m	054-90333	Ø 160 mm, length 3,0 m	054-90343	Ø 125 mm, length 2,0 m	054-90330	Ø 125 mm, length 3,0 m	054-90340	Ø 160 mm, length 2,0 m	054-90331	Ø 160 mm, length 3,0 m	054-90341
Ø 125 mm, length 2,0 m	054-90332																
Ø 125 mm, length 3,0 m	054-90342																
Ø 160 mm, length 2,0 m	054-90333																
Ø 160 mm, length 3,0 m	054-90343																
Ø 125 mm, length 2,0 m	054-90330																
Ø 125 mm, length 3,0 m	054-90340																
Ø 160 mm, length 2,0 m	054-90331																
Ø 160 mm, length 3,0 m	054-90341																
	<p>Bracket</p> <p>For attaching the extraction arm to the vacuum cleaner. Additional connection opening Ø 80 mm enables hose connection.</p> <p>Standard version</p> <table> <tr> <td>Ø 125 mm</td><td>053-3072</td></tr> <tr> <td>Ø 160 mm</td><td>053-3073</td></tr> </table>	Ø 125 mm	053-3072	Ø 160 mm	053-3073												
Ø 125 mm	053-3072																
Ø 160 mm	053-3073																
	<p>Hoses</p> <p>A variety of hoses and connectors are available in different diameters. We will be happy to advise you personally on the appropriate configuration.</p>																

EVOTEC



EP 2122 ECO

EP 2130 ECO



INNOVATIVE
EXTRACTION
TECHNOLOGY



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 vacuum power
- ★ Convenient dirt container lowering

EVOTEC

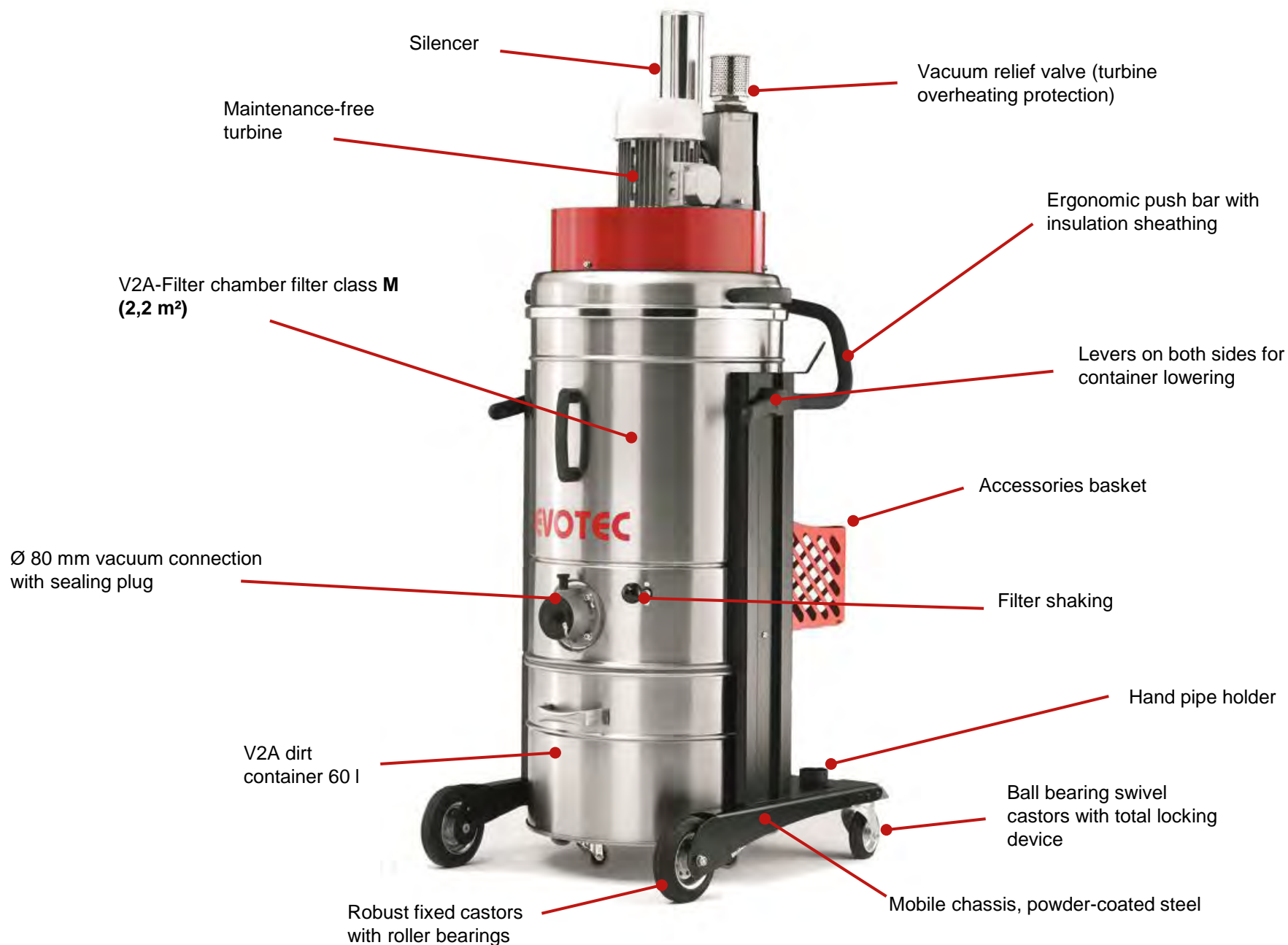
EP 2122 ECO
EP 2130 ECO

Versions:



Dry vacuum – 400 Volt

EVOTEC



Robust industrial vacuum cleaners 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.

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

Model		EP 2122 ECO	EP 2130 ECO
Voltage	Volt	400	
Engine power	Watt	2.200	3.000
Max. air volume	m³/h	330	
Negative pressure	mbar	240 / 300 max.	260 / 340 max.
Filter area „M“ Filter area „H“ (H14)	m² m²	2,2 + 2,0	
Dirt container	ltr.	60	
Protection class		IP 55	
Noise level	dB(A)	70	
Vacuum connection	Ø mm	80	
Dimensions LxWxH	cm	83 x 68 x 165	
Weight	kg	95	100
Dust class M	Item-No.	251-1020	251-1030
Dust class M/Typ22 	Item-No.	251-1021	251-1031
Dust class H	Item-No.	251-1022	251-1032
Dust class H/Typ22 	Item-No.	251-1023	251-1033

Scope of delivery includes:

3,5 m hose Ø 50 mm and scoring nozzle



Accessories and options EVOTEC vacuum cleaners



Pocket and cartridge filters (When subsequently changing from 2.2 m² to 3.2 m², the filter basket must also be replaced)	
	<p>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</p> <p>2,20 m², Ø 500 mm = 054-20116 3,20 m², Ø 500 mm (lmg.) = 054-20117 5,20 m², Ø 500 mm = 054-20118</p>
	<p>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)</p> <p>2,20 m², Ø 500 mm (lmg.) = 054-20128 3,20 m², Ø 500 mm = 054-20129 5,20 m², Ø 500 mm = 054-20130</p>
	<p>Dust class H (H14) Absolute cartridge filter for all EVOTEC models Support grille on both sides, Replacement filter for repurchasing</p> <p>2,0 m², Ø 500 mm = 054-20027 4,3 m², Ø 500 mm = 054-20033</p>
Disposal	
	<p>Plastic waste disposal bags, antistatic ESD PU = 10 pieces</p> <p>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:</p> <p>60-l-Container = 235-1021</p>

Practical accessory sets

Machine cleaning Set

optimal for cleaning
of production machines, completely antistatic

Consisting of mass 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**



YouTube



On our YouTube channel you will find helpful application
videos for industrial floor cleaning.

(All Ø specifications refer to the hose inner diameter)

PP-Hoses and - components

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



PP-Hose antistatic, complete with fittings

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



Linear Meter, antistatic (for extension or self-assembly)

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



Hose sleeve (vacuum side) for PP-Hose antistatic

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



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

Ø 80 - 40 mm = **052-0159**
Ø 80 - 50 mm = **052-0256**

Superflex hoses and - components

Hose material made of polypropylene (PP), thread-reinforced and spiral-supported
Particularly light and flexible even over longer distances. Best suitable material for industrial use. Conductive = conductive when the spiral is grounded



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 m Ø 50 mm = **052-0251**



Linear Meter, conductive (for extension or self-assembly)

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



Hose sleeve (vacuum side) for Superflex-Hose antistatic

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



Hose sleeve (boiler side) including retaining ring for Superflex-Hose antistatic

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

(All Ø specifications refer to the hose inner diameter)

PUR-hoses and - 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 long Ø 40 mm = **052-0155**
 3,5 m long Ø 50 mm = **052-0252**
 5 m long Ø 40 mm = **052-0156**
 5 m long Ø 50 mm = **052-0253**

Running metre, conductive
 (for extension or self-assembly)



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**

ESD-hoses and - components

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 10³ to 10⁴ Ω



ESD-Superflex-hose

Completely electrically conductive 10⁴ Ω light and flexible, spiral-supported and thread-reinforced

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



ESD-PUR-hose

Completely electrically conductive 10³ Ω 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**

EVOTEC



EP 2122

EP 2130

EP 2140 ECO

EP 2155 ECO



INNOVATIVE
EXTRACTION
TECHNOLOGY



EP Dry vacuum – 400 Volt

EVOTEC



- ★ 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

EVOTEC



Robust industrial vacuum cleaners 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.

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“	m²	2,2 or 3,2		3,2	
Filter area „H“ (H14)	m²	+ 2,0		+ 4,3	
Dirt container	ltr.	60			
Protection class		IP 55			
Noise level	dB(A)	70		76	
Vacuum connection	Ø mm	80			
Dimensions LxWxH	cm	120 x 68 x 135			
Weight	kg	150	160	180	190
Dust class M	I.-No.	251-1040	251-1050	251-1060	251-1070
Dust c. M/Typ22 	I.-No.	251-1041	251-1051	251-1061	251-1071
Dust class H	I.-No.	251-1042	251-1052	251-1062	251-1072
Dust c. H/Typ22 	I.-No.	251-1043	251-1053	251-1063	251-1073
Upgrade:					
100-l dirt container	I.-No.	053-4042			

*) 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 °C
 Continuous up to 150 °C

2,20 m², Ø 500 mm =	054-20116
3,20 m², Ø 500 mm =	054-20117
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**)

2,20 m², Ø 500 mm =	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 EVOTEC models
 Support grille on both sides,

Replacement filter for repurchasing

2,0 m², Ø 500 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
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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



When ordering in combination with Vacon-FI 10% discount

SPECIAL OFFER!

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

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

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**



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 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

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!

Options

EVOTEC

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

1,5 kW – 3,0 kW

054-6943

4,0 kW – 5,5 kW

054-6944



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

1,5 kW - 3.0 kW

054-6940

4,0 kW - 5,5 kW

054-6941

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

with Switch box

054-6932

Bracket console Switch box

054-40208

Additional handheld transmitter **054-60322**

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**

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



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 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.

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**

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



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-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

Suitable vacuum and connection hoses for pre-separators can be found online

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**



YouTube



On our YouTube channel you will find helpful application
videos for industrial floor cleaning.

(All Ø specifications refer to the hose inner diameter)

PP-Hoses and - components

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



PP- Hose antistatic, complete with fittings

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



Linear Meter, antistatic (for extension or self-assembly)

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



Hose sleeve (Vacuum side) for PP-Hose antistatic

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



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

Ø 80 - 40 mm = **052-0159**
Ø 80 - 50 mm = **052-0256**

Superflex hoses and - components

Hose material made of polypropylene (PP), thread-reinforced and spiral-supported
Particularly light and flexible even over longer distances. Best suitable material for industrial use. Conductive = conductive when the spiral is grounded



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 m Ø 50 mm = **052-0251**



Linear Meter, conductive (for extension or self-assembly)

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



Hose sleeve (Vacuum side) for Superflex- Hose antistatic

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



Hose sleeve (boiler side) including retaining ring for Superflex-Hose antistatic

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

(All Ø specifications refer to the hose inner diameter)

PUR-hoses and - 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

	<p>PUR- hose, conductive, complete with sleeves</p> <p>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</p> <p>Running metre, conductive (for extension or self-assembly)</p>
	<p>Ø 40 mm = 052-0136 Ø 50 mm = 052-0236 Ø 70 mm = 052-0309</p> <p>reinforced version:</p> <p>Ø 40 mm = 052-0157 Ø 50 mm = 052-0254 Ø 70 mm = 052-0310</p>
	<p>Hose sleeve (vacuum side) for PUR-Hose antistatic</p> <p>Ø 40 mm = 052-0141 Ø 50 mm = 052-0241 Ø 70 mm = 052-0311</p>
	<p>Hose sleeve (boiler side) for PUR-Hose antistatic Including retaining ring</p> <p>Ø 80 - 40 mm = 052-0160 Ø 80 - 50 mm = 052-0257</p>

ESD-hoses and - components

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 10³ to 10⁴ Ω

	<p>ESD-Superflex-Hose</p> <p>Completely electrically conductive 10⁴ Ω light and flexible, spiral-supported and thread-reinforced</p> <p>Ø 40 mm = 052-0200 Ø 50 mm = 052-0287</p>
	<p>ESD-PUR-Hose</p> <p>Completely electrically conductive 10³ Ω robust and spiral supported</p> <p>Ø 40 mm = 052-0196 Ø 50 mm = 052-0281</p>
	<p>Hose sleeve (vacuum side)</p> <p>for ESD-Superflex-Hose antistatic</p> <p>Ø 40 mm = 052-0139 Ø 50 mm = 052-0239</p> <p>for ESD-PUR-Hose antistatic</p> <p>Ø 40 mm = 052-0141 Ø 50 mm = 052-0241</p>
	<p>Hose sleeve (boiler side) Including retaining ring</p> <p>for ESD-Superflex-Hose antistatic</p> <p>Ø 80 - 40 mm = 052-0158 Ø 80 - 50 mm = 052-0255</p> <p>for ESD-PUR-Hose antistatic</p> <p>Ø 80 - 40 mm = 052-0160 Ø 80 - 50 mm = 052-0257</p>

EVOTEC



Dry Vacuum EP 2155
2175 ECO



INNOVATIVE
EXTRACTION
TECHNOLOGY



EP Dry vacuum– 400 Volt

EVOTEC



- ★ Parts in contact with the product made of V2A stainless steel (1.4301)
- ★ Fully equipped for safety
- ★ Strong vacuum power, also suitable for pipe systems
- ★ Convenient dirt container lowering
- ★ Optional available with Longopac-disposal
- ★ With star-delta smooth start of the turbine
- ★ Zone 21 on request

EP 2155
EP 2175 ECO

Versions:



EP Dry vacuum– 400 Volt

EVOTEC



Robust industrial vacuum cleaners 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.

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.



Model		EP 2155	EP 2175 ECO
Voltage	Volt	400	
Engine power	Watt	5.500	7.500
Max. air volume	m³/h	510	700
Negative pressure	mbar	320 / 360 max.	260 / 320 max.
Filter area „M“	m²	3,2	
Filter area „H“ (H14)	m²	+ 4,3	
Dirt container	ltr.	100	
Protection class		IP 55	
Noise level	dB(A)	76	78
Vacuum connection	Ø mm	80	
Dimensions LxWxH	cm	148 x 68 x 156	
Weight	kg	200	210
Dust class M	Item-No.	251-1090	251-3000
Dust class M/Typ22 	Item-No.	251-1091	251-3001
Dust class H	Item-No.	251-1092	251-3002
Dust class H/Typ22 	Item-No.	251-1093	251-3003

Scope of delivery EP 2155 includes:

5,0 m hose Ø 50 mm and scoring nozzle
(please note, EP 2175 ECO without accessories)



Accessories and options EVOTEC vacuum cleaners



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

3,20 m², Ø 500 mm = **054-20117**
 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**)

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 EVOTEC models
 Support grille on both sides,
 Replacement filter for repurchasing

4,3 m², Ø 500 mm = **054-20033**

Disposal options

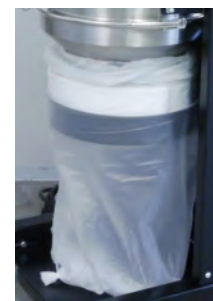


Plastic waste disposal bags, antistatic ESD



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**



Longopac - Bags

„Endless" bag for easy and dust-free disposal of the material. 20 metre foil tube with cable ties for sealing.

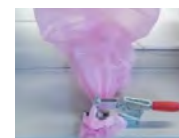
PU = 4 units á 20 meters

Strong ESD quality

Thickness: 68 mic. **235-1050**

Strong quality (not ESD)

Thickness: 68 mic. **235-1060**



Optionally with horizontal tensioner (prevents the bag from floating up)

Practical accessory sets EP 2155

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**



You Tube



On our YouTube channel you will find helpful application
videos for industrial floor cleaning.

(All Ø specifications refer to the hose inner diameter)

PP-Hoses and - components

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



PP-Hose antistatic, complete with fittings

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



Linear Meter, antistatic (for extension or self-assembly)

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



Hose sleeve (vacuum side) for PP-Hose antistatic

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



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

Ø 80 - 40 mm = **052-0159**
Ø 80 - 50 mm = **052-0256**

Superflex hoses and - components

Hose material made of polypropylene (PP), thread-reinforced and spiral-supported
Particularly light and flexible even over longer distances. Best suitable material for industrial use. Conductive = conductive when the spiral is grounded



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 m Ø 50 mm = **052-0251**



Linear Meter, conductive (for extension or self-assembly)

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



Hose sleeve (vacuum side) for Superflex-Hose antistatic

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



Hose sleeve (boiler side) including retaining ring for Superflex-Hose antistatic

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

(All Ø specifications refer to the hose inner diameter)

PUR-hoses and - 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 long Ø 40 mm = **052-0155**
 3,5 m long Ø 50 mm = **052-0252**
 5 m long Ø 40 mm = **052-0156**
 5 m long Ø 50 mm = **052-0253**

Running metre, conductive
 (for extension or self-assembly)



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**

ESD-hoses and - components

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 10³ to 10⁴ Ω



ESD-Superflex-Hose

Completely electrically conductive 10⁴ Ω light and flexible, spiral-supported and thread-reinforced

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



ESD-PUR-Hose

Completely electrically conductive 10³ Ω 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**

Accessories and options

EVOTEC

Metal-hoses and- components

Hose material metal, metal tapes with sealing threads, flexible, axial mobility, torsional stability, heat resistant to 400° C.

Only suitable for dry dust

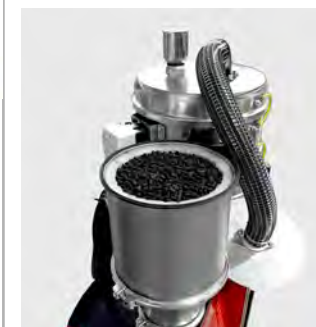
	<p>Metal hose, glass thread sealed, complete with sleeves</p> <p>3,5 m length Ø 40 mm = 052-0186 3,5 m length Ø 50 mm = 052-0271 5 m length Ø 40 mm = 052-0187 5 m length Ø 50 mm = 052-0272</p>
	<p>Linear metres (for extension or self-assembly)</p> <p>Ø 40 mm = 052-0185 Ø 50 mm = 052-0270</p>
	<p>Universal trousers sleeve (boiler side) suitable for all hose qualities</p> <p>Ø 80 - 40 mm = 052-0175 Ø 80 - 50 mm = 052-0266</p>
	<p>Hose sleeve (vacuum side) for Metal - Hose</p> <p>Ø 40 mm = 052-0112 Ø 50 mm = 052-0208</p>

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

Cartridge filter system with compressed aircleaning



When ordering in combination with Vacon-FI 10% discount

SPECIAL OFFER!

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 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)

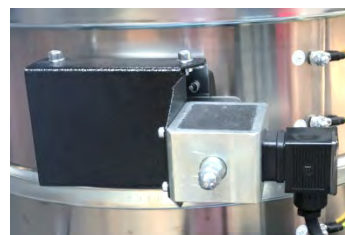
053-3032

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**



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 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

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!

Options

EVOTEC

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

4,0 kW – 5,5 kW
7,5 kW – 15 kW

054-6944
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

4,0 kW - 5,5 kW
7,5 kW – 15 kW

054-6941
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

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.

Mit Rohrbogen-Anschlussstutzen

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.



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 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.

Wet pre-seperator



Pre-separator 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: Vacuum 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**

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



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

Options

EVOTEC

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



Barrel 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

EVOTEC



Dry Vacuum 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

EVOTEC



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.

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.**



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“	m²	5,2	
Filter area „H“ (H14)	m²	+ 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/Typ22 	Item-No.	251-2001	251-2011
Dust class H	Item-No.	251-2002	251-2012
Dust class H/Typ22 	Item-No.	251-2003	251-2013

Hose and accessories optionally available.




Accessories and options EVOTEC vacuum cleaners



Pocket and cartridge filters		Disposal	
	<p>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</p> <p>5,20 m², Ø 500 mm = 054-20118</p>		<p>Plastic waste disposal bags, antistatic ESD PU = 10 pieces</p> <p>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:</p> <p>100-l-Container = 235-1031 </p>
	<p>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)</p> <p>5,20 m², Ø 500 mm = 054-20130</p>		
	<p>Dust class H (H14) Absolute cartridge filter for all EVOTEC models Support grille on both sides, Replacement filter for repurchasing</p> <p>4,3 m², Ø 500 mm = 054-20033</p>		

Accessories and options



Device options	
	<p>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</p> <p>053-2060</p> 

Options

Cartridge filter system with compressed aircleaning



When ordering in combination with Vacon-FI 10% discount

SPECIAL OFFER!

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**



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!

Options

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

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**

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



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 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-separator 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-separator

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-separator

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

EVOTEC

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

EVOTEC



Robusto Robusto LP



INNOVATIVE
EXTRACTION
TECHNOLOGY



ROBUSTO – 400 Volt

EVOTEC



- ★ Crane eyes for easy transport
- ★ Large castors for uneven terrain
- ★ Convenient dirt container lowering for easy disposal
- ★ Extra strong chassis
- ★ **TRGS 519** certificated version for **Asbestos**-works available

Until 3,0 kW:



As of 4,0 kW:



Image shows ROBUSTO 2155-100 with activated carbon filtration

ROBUSTO 1122
ROBUSTO 2115
ROBUSTO 2122
ROBUSTO 2130
ROBUSTO 2155
ROBUSTO 2175

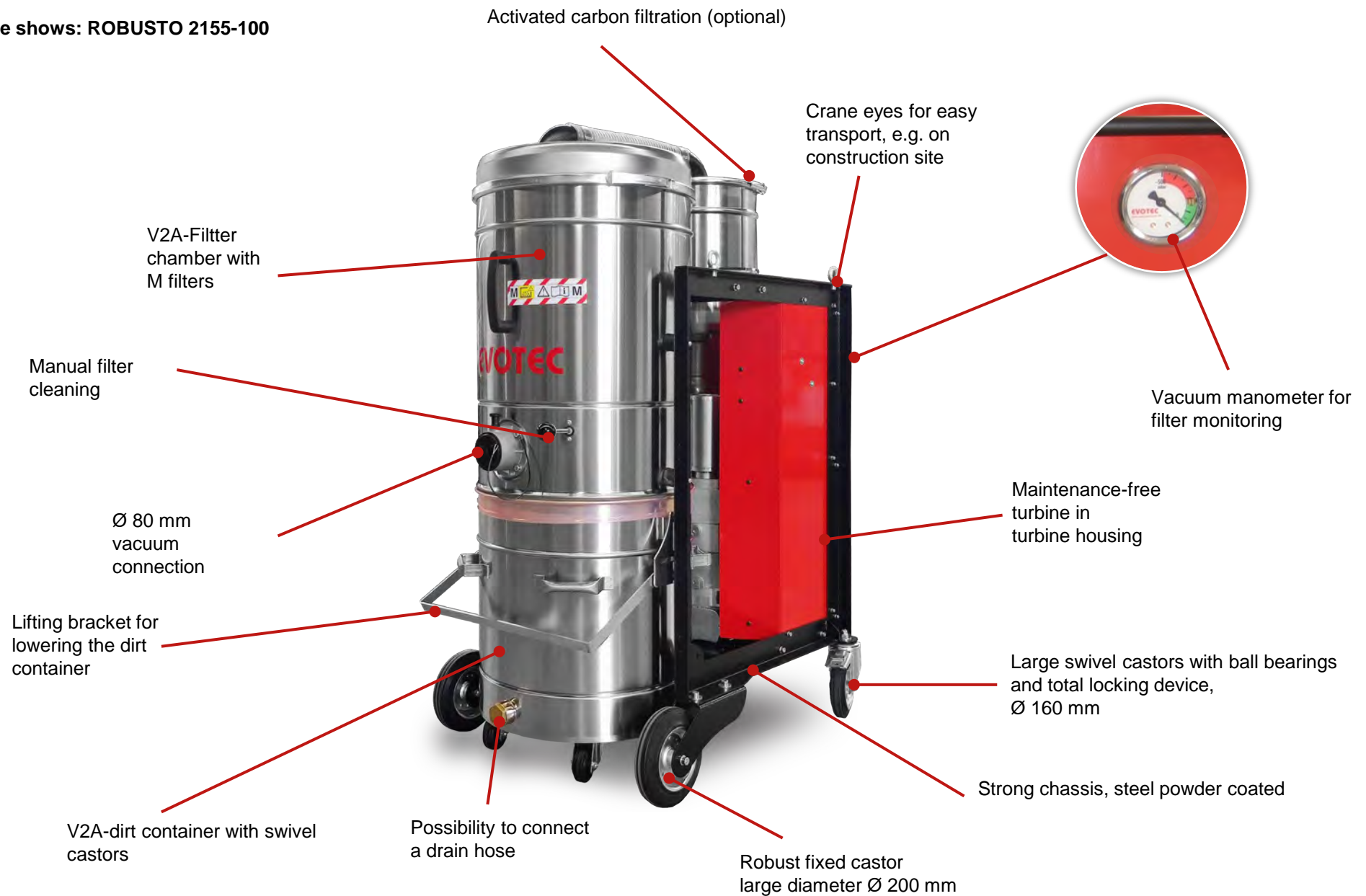
Versions:



ROBUSTO – 400 Volt

EVOTEC

Image shows: ROBUSTO 2155-100



Robust 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.

Patented tool-free and **low-contamination filter change**.





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

Length connection cable: 8 m

ASBESTOS version including 5,0 m exhaust air hose Ø 70 mm.

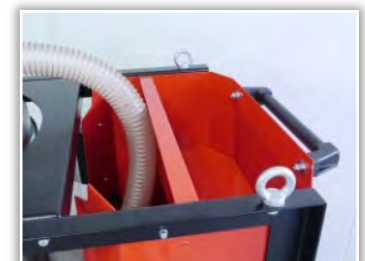
UPGRADE: 2nd Filter stage cartridge filter H (H14).

UPGRADE: GS and/or EX (Type22) Rotation direction phase monitor and vacuum limiting valve **for trouble-free use of the unit.**

Model		ROBUSTO 1122	ROBUSTO 2115	ROBUSTO 2122	ROBUSTO 2130	ROBUSTO 2155	ROBUSTO 2175
Voltage	Volt	230	400			400 *)	400
Engine power	Watt	2.200	1.500	2.200	3.000	5.500	7.500
Max. air volume	m³/h	310	220	330		480	700
Negative pressure	mbar	220 / 260 max.	200 / 240 max.	240 / 300 max.	260 / 340 max.	260 / 340 max.	260 / 320 max.
Filter area „M“	m²	1,75				3,2	
Filter area „H“ (H14)	m²	+ 1,7				+ 4,3	
Dirt container	ltr.	35				100	
Protection class		IP 55					
Noise level	dB(A)	76			77	78	
Vacuum connection	Ø mm	80					
Dimensions LxWxH	cm	94 x 60 x 120				110 x 68 x 152	
Weight	kg	143		151	153	198	218
Standard version Dust class M	I.-No.	151-3050	251-4135	251-4136	251-4140	251-4170	251-4190
Upgrade Dust c. H	I.-No.	054-20018				054-2280	
Upgrade 	I.-No.	054-6435				054-6455	
Upgrade  + 	I.-No.	054-6433				054-6453	
Dust c. H/ Asbest completely incl. 	I.-No.	151-3051	251-4091	251-4104	251-4111	251-4121	251-4131

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

Until 5,5 kW scope of delivery includes 3,5 m hose Ø 50 mm and scoring nozzle



ROBUSTO – LP – 400 Volt

EVOTEC



- ★ Crane eyes for easy transport
- ★ Large castors for uneven terrain
- ★ Longopac-System or dust-free disposal
- ★ Filter chamber lift for space-saving transport
- ★ Extra strong chassis
- ★ **TRGS 519** certificated
Version for **Asbestos**-works available

Until 3,0 kW:



As of 4,0 kW:



Image shows Asbestos version

ROBUSTO 1122-LP
ROBUSTO 2115-LP
ROBUSTO 2122-LP
ROBUSTO 2130-LP
ROBUSTO 2155-LP
ROBUSTO 2175-LP

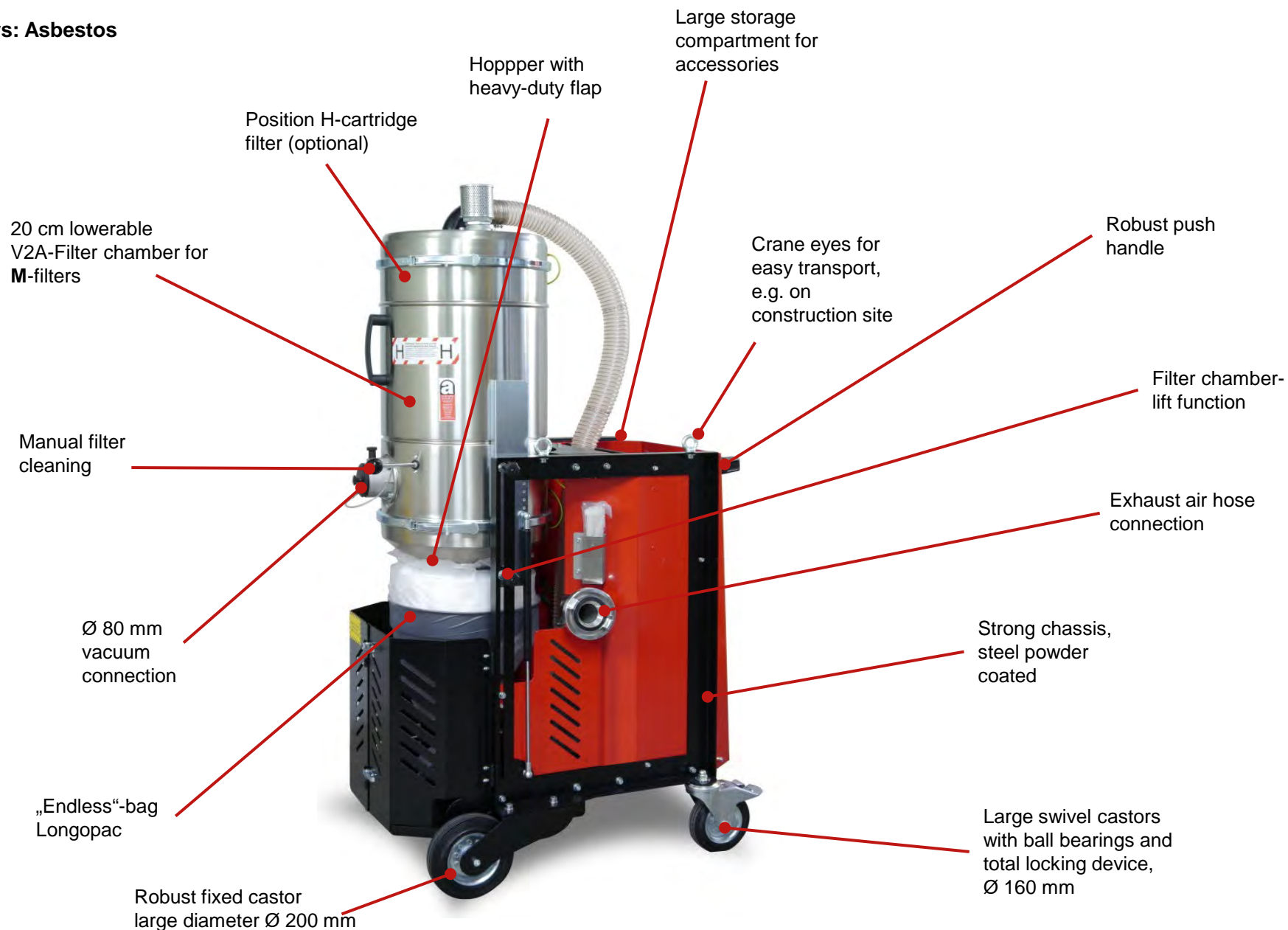
Version:



Robusto LP

EVOTEC

Image shows: Asbestos
version



Robust 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.

Longopac-disposal system

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

Patented tool-free and **low-contamination filter change**.





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

Length connection cable: 8 m

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

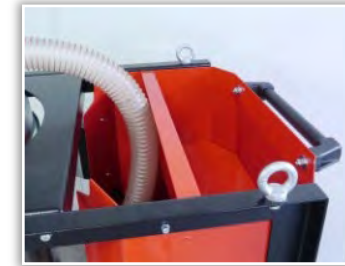
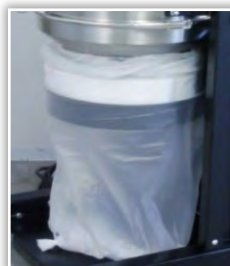
UPGRADE: 2nd Filter stage cartridge filter **H (H14)**.

UPGRADE: GS and/or EX (Type22) Rotation direction phase monitor and vacuum limiting valve **for trouble-free use of the unit.**

Model		ROBUSTO 1122-LP	ROBUSTO 2115-LP	ROBUSTO 2122-LP	ROBUSTO 2130-LP	ROBUSTO 2155-LP	ROBUSTO 2175-LP
Voltage	Volt	230	400			400 *)	400
Engine power	Watt	2.200	1.500	2.200	3.000	5.500	7.500
Max. air volume	m³/h	310	220	330		480	700
Negative pressure	mbar	220 / 260 max.	200 / 240 max.	240 / 300 max.	260 / 340 max.	260 / 340 max.	260 / 320 max.
Filter area „M“ Filter area „H“ (H14)	m² m²	1,75 + 1,7				3,2 + 4,3	
Dispoal	ltr.	Longopac-System					
Protection class		IP 55					
Noise level	dB(A)	76			77	78	
Vacuum connection	Ø mm	80					
Dimensions LxWxH	cm	94 x 60 x 120 - 163 cm (Height during operation)				110 x 68 x 125 - 173	
Weight	kg	140	140	148	150	195	215
Standard version. Dust class M	I.-No.	151-3060	251-4137	251-4134	251-4150	251-4180	251-4200
Upgrade Dust c. H	I.-No.	054-20018				054-2280	
Upgrade 	I.-No.	054-6435				054-6455	
Upgrade  + 	I.-No.	054-6433				054-6453	
Dust c. H/Asbest completely incl. 	I.-No.	151-3061	251-4093	251-4103	251-4113	251-4123	251-4133

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

Until 5,5 kW scope of delivery includes 3,5 m hose Ø 50 mm and scoring nozzle



Accessories and options EVOTEC vacuum cleaners



Pocket filters for all EVOTEC models

(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 °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 (Img.) =	054-20117
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**)

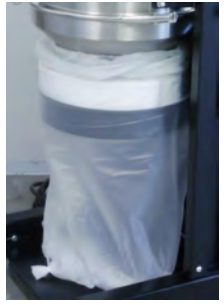
1,75 m², Ø 400 mm =	054-20127
2,20 m², Ø 500 mm (Abb.) =	054-20128
3,20 m², Ø 500 mm =	054-20129
5,20 m², Ø 500 mm =	054-20130

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:

35-l-Container =	235-1011
100-l-Container =	235-1031



Longopac - Bags
 „Endless" bag for easy and dust-free disposal of the material. 20 metre foil tube with cable ties for sealing.
PU = 4 units á 20 meters
Strong ESD quality
 Thickness: 68 mic. **235-1050**
Strong quality (not ESD)
 Thickness: 68 mic. **235-1060**

Optionally with horizontal tensioner (prevents the bag from floating up)

Accessories

Options / Accessories ROBUSTO line	
	Upgrade to dust class H Absolute cartridge filter Dust class H (H14), support grids on both sides 1,7 m², Ø 400 mm = 054-20018 2,0 m², Ø 500 mm = 054-20027 4,3 m², Ø 500 mm = 054-20033
Until 3,0 kW: 	As of 4,0 kW: 
Upgrade "Tested Safety" GS equipment - including certificate Equipment according to DIN 60335-2-69 for the use of the vacuum cleaner in areas with high safety requirements. Incl. Phase inverter plug, rotation direction monitor for 2,2 - 3,0 kW = 054-6435 for 5,5 - 7,5 kW = 054-6455	
Upgrade EX-protected for zone 22 including certificate (GS or DGVV) Explosion-proof equipment of the vacuum cleaner for safe extraction of explosive dusts according to ATEX in zone 22. Including vacuum limiting valve, phase reversing plug, rotation direction monitor for 2,2 - 3,0 kW = 054-6433 for 5,5 - 7,5 kW = 054-6453	
	
	Exhaust air Hose Complete with Storz coupling for connection to exhaust air spigot, diameter Ø 70 mm 1,5 kW to 5,5 kW = 053-3092 7,5 kW = 053-3093

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

EVOTEC

Cartridge filter system with compressed aircleaning



When ordering in combination with Vacon-FI 10% discount

SPECIAL OFFER!

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)

For Models

Robusto 1122 up until 2130
053-3033 (incl. switch cabinet)

Robusto 2155
053-3032

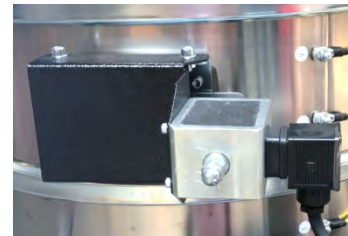
Robusto 2175
053-3023

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**



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 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

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!

Options

EVOTEC

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

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

1,5 kW - 3.0 kW	054-6940
4,0 kW - 5,5 kW	054-6941
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 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
with Switch box	054-6932
Bracket console Switch box	054-40208

Additional handheld transmitter **054-60322**

Options

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**

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



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 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-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**

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



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 vacuum bend Ø 50 mm

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

053-1070

Options

EVOTEC

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

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**



YouTube



On our YouTube channel you will find helpful application
videos for industrial floor cleaning.

(All Ø specifications refer to the hose inner diameter)

PP-Hoses and - components

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



PP- Hose antistatic, complete with fittings

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



Linear Meter, antistatic (for extension or self-assembly)

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



Hose sleeve (vacuum side) for PP-Hose antistatic

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



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

Ø 80 - 40 mm = **052-0159**
Ø 80 - 50 mm = **052-0256**

Superflex hoses and - components

Hose material made of polypropylene (PP), thread-reinforced and spiral-supported
Particularly light and flexible even over longer distances. Best suitable material for industrial use. Conductive = conductive when the spiral is grounded



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 m Ø 50 mm = **052-0251**



Linear Meter, conductive (for extension or self-assembly)

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



Hose sleeve (vacuum side) for Superflex- Hose antistatic

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



Hose sleeve (boiler side) including retaining ring for Superflex-Hose antistatic

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

(All Ø specifications refer to the hose inner diameter)

PUR-hoses and - 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

	<p>PUR- Hose, conductive, complete with sleeves</p> <p>3,5 m long Ø 40 mm = 052-0155 3,5 m long Ø 50 mm = 052-0252 5 m long Ø 40 mm = 052-0156 5 m long Ø 50 mm = 052-0253</p> <p>Running metre, conductive (for extension or self-assembly)</p>
	<p>Ø 40 mm = 052-0136 Ø 50 mm = 052-0236 Ø 70 mm = 052-0309</p> <p>reinforced version:</p> <p>Ø 40 mm = 052-0157 Ø 50 mm = 052-0254 Ø 70 mm = 052-0310</p>
	<p>Hose sleeve (vacuum side) for PUR-Hose antistatic</p> <p>Ø 40 mm = 052-0141 Ø 50 mm = 052-0241 Ø 70 mm = 052-0311</p>
	<p>Hose sleeve (boiler side) for PUR-Hose antistatic Including retaining ring</p> <p>Ø 80 - 40 mm = 052-0160 Ø 80 - 50 mm = 052-0257</p>

ESD-hoses and - components

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 10³ to 10⁴ Ω

	<p>ESD-Superflex- Hose</p> <p>Completely electrically conductive 10⁴ Ω light and flexible, spiral-supported and thread-reinforced</p> <p>Ø 40 mm = 052-0200 Ø 50 mm = 052-0287</p>
	<p>ESD-PUR-Hose</p> <p>Completely electrically conductive 10³ Ω robust and spiral supported</p> <p>Ø 40 mm = 052-0196 Ø 50 mm = 052-0281</p>
	<p>Hose sleeve (vacuum side)</p> <p>for ESD-Superflex-Hose antistatic</p> <p>Ø 40 mm = 052-0139 Ø 50 mm = 052-0239</p> <p>for ESD-PUR-Hose antistatic</p> <p>Ø 40 mm = 052-0141 Ø 50 mm = 052-0241</p>
	<p>Hose sleeve (boiler side) Including retaining ring</p> <p>for ESD-Superflex-Hose antistatic</p> <p>Ø 80 - 40 mm = 052-0158 Ø 80 - 50 mm = 052-0255</p> <p>for ESD-PUR-Hose antistatic</p> <p>Ø 80 - 40 mm = 052-0160 Ø 80 - 50 mm = 052-0257</p>

EVOTEC



EPS Super Silent



INNOVATIVE
EXTRACTION
TECHNOLOGY



EPS SuperSilent - 58 dB(A) High-performance industrial vacuum cleaner

EVOTEC



- ★ 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
- ★ **Very silent, only 58 dB(A)** (at 2,2 kW)
- ★ Dirt container 35 litres

EPS 1115/2115

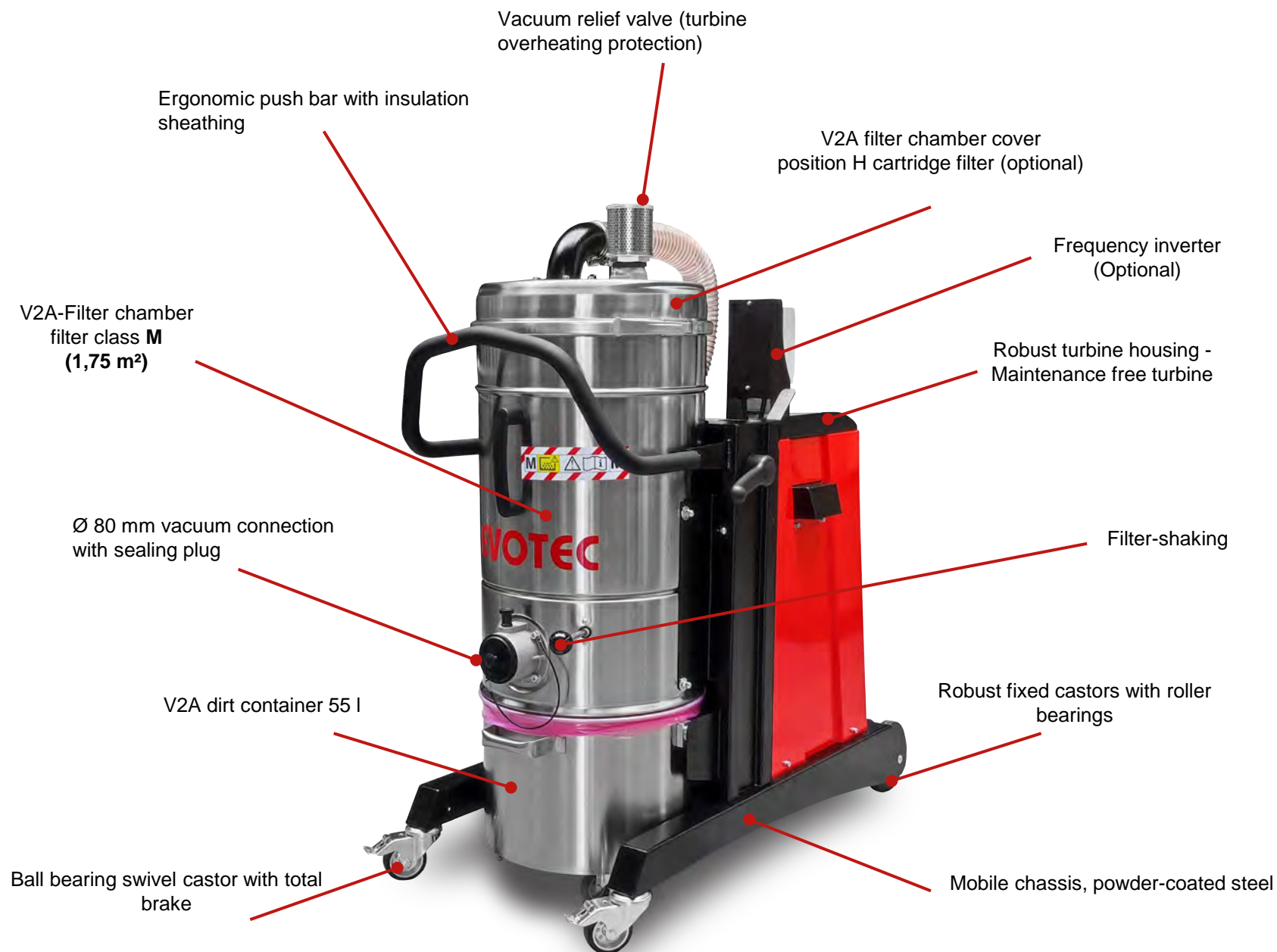
EPS 2122

EPS 2130

EPS 2140

Versions:





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

High quality standards - excellent soundproofed turbine (side channel blower) - **very quiet: e.g. 58 dB(A) at 2.2 kW output.**

Suitable for 3-shift operation. Can also be used on pipe systems or with long hoses.

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

Lowering of the dirt container for **easy disposal** of the material

1st Filter stage pocket filter with PUR-membrane, **dust class M.**

2nd filter stage Absolut-cartridge filter, **dust class H (H14).**



Effective, easy-to-use **filter cleaning** for high filter power and long working intervals without interruption.

Vacuum gauge for filter monitoring.

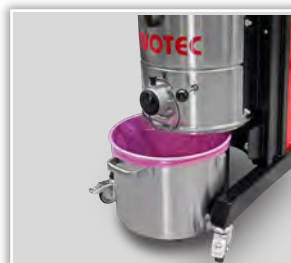
Patented, tool less filter change – easy and safe for staff and maintenance.

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

Length connection cable: 8 m

Model		EPS 1115	EPS 2115	EPS 2122	EPS 2130	EPS 2140
Voltage	Volt	230	400			
Engine power	Watt	1.500		2.200	3.000	4.000
Max. air volume	m³/h	220		330		410
Negative pressure	mbar	200/ 240 max.		240 / 300 max.	260 / 340 max.	240 / 300max.
Filter area „M“ Filter area „H“ (H14)	m² m²	1,75 + 1,7				
Noise level	dB(A)	55		58	62	63
Protection class		IP 55				
Dirt container	Liter	35				
Vacuum connection	Ø mm	80				
Dimensions LxWxH	cm	108 x 55 x 163				
Weight	kg	140		148	150	160
Dust class M	I.-No.	151-3074	251-4004	251-4014	251-4024	251-4034
Dust c. M/Typ22 	I.-No.	151-3075	251-4005	251-4015	251-4025	251-4035
Dust class H	I.-No.	151-3076	251-4006	251-4016	251-4026	251-4036
Dust c. H/Typ22 	I.-No.	151-3077	251-4007	251-4017	251-4027	251-4037

In delivery included: 3,5 m hose Ø 50 mm and scoring nozzle



EPS SuperSilent - 58 dB(A) – with Longopac-System

EVOTEC



- ★ 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
- ★ **Very silent, only 58 dB(A)** (at 2,2 kW)
- ★ Longopac disposal system

EPS 1115/2115-LP

EPS 2122-LP

EPS 2130-LP

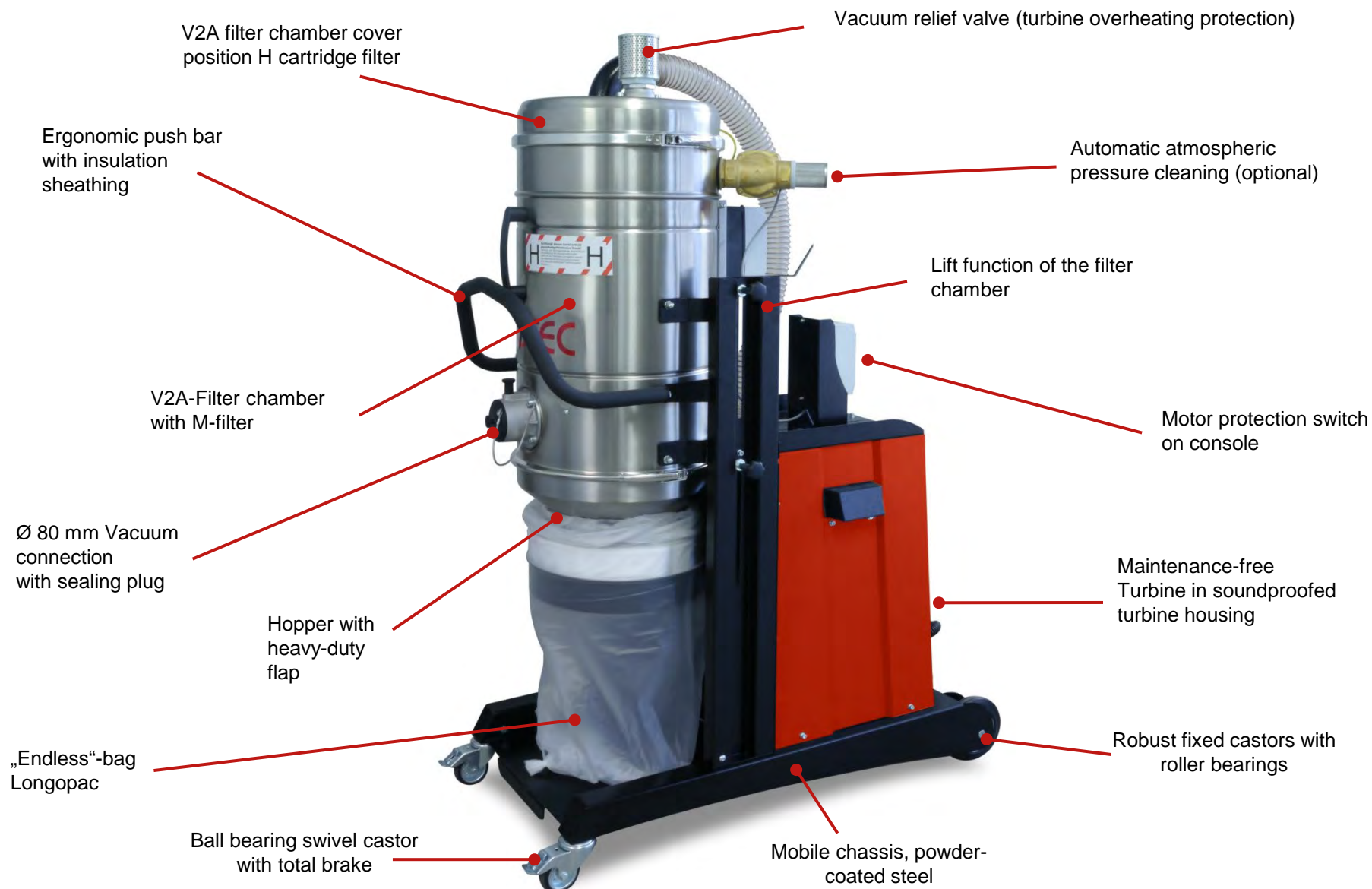
EPS 2140-LP

Versions:



EPS SuperSilent - 58 dB(A) – mit Longopac-System

EVOTEC



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

High quality standards - excellent soundproofed turbine (side channel blower) - **very quiet: e.g. 58 dB(A) at 2.2 kW output.**

Suitable for 3-shift operation. Can also be used on pipe systems or with long hoses.

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

Easy disposal of the material with **low contamination** by **Longopac system** ("Endless bag" which is to be pulled down as needed.)

1st Filter stage pocket filter with PUR-membrane, **dust class M.**

2nd Filter stage: Absolut-cartridge filter, **dust class H**



(H14). Effective, easy to use **filter cleaning** for long operating intervals without interruption.

Vacuum gauge for filter monitoring.

Patented, tool less filter change – easy and safe for staff and maintenance.

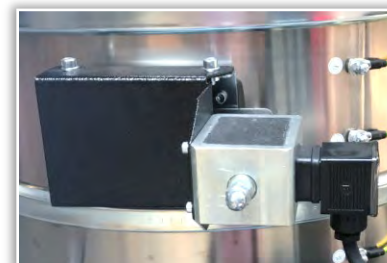
Fast coupling with locking mechanism and rotating device for a secure connection of the hose.

Length connection cable: 8 m

Model		EPS 1115 -LP	EPS 2115 -LP	EPS 2122 -LP	EPS 2130 -LP	EPS 2140 -LP
Voltage	Volt	230	400			
Engine power	Watt	1.500		2.200	3.000	4.000
Max. air volume	m³/h	220		330		410
Negative pressure	mbar	200/ 240 max.		240 / 300 max.	260 / 340 max.	240 / 300max.
Filter area „M“ Filter area „H“ (H14)	m² m²	1,75 + 1,7				
Noise level	dB(A)	55		58	62	63
Protection class		IP 55				
Vacuum connection	Ø mm	80				
Disposal		Longopac-System				
Dimensions LxWxH	cm	108 x 55 x 163				
Weight	kg	140		148	150	160
Dust class M	I.-No.	151-3070	251-4000	251-4010	251-4020	251-4030
Dust c. M/Typ22 	I.-No.	151-3071	251-4001	251-4011	251-4021	251-4031
Dust class H	I.-No.	151-3072	251-4002	251-4012	251-4022	251-4032
Dust c. H/Typ22 	I.-No.	151-3073	251-4003	251-4013	251-4023	251-4033

In delivery included: 3,5 m hose Ø 50 mm and scoring nozzle

Image: Optional with atmospheric pulse cleaning (PPU)



Accessories and options EVOTEC vacuum cleaners



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

1,75 m², Ø 400 mm = **054-20115**



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**)

1,75 m², Ø 400 mm = **054-20127**



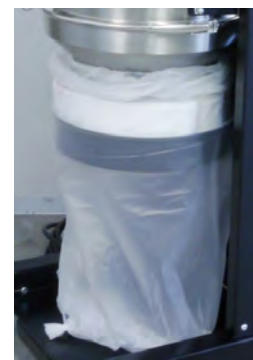
Dust class H (H14)
Absolute cartridge filter for all EVOTEC models
 Support grille on both sides,
 Replacement filter for repurchasing
 1,7 m², Ø 400 mm = **054-20018**

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:

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



Longopac - Bags
 „Endless" bag for easy and dust-free disposal of the material. 20 metre foil tube with cable ties for sealing.
PU = 4 units à 20 meters
Strong ESD quality
 Thickness: 68 mic. **235-1050**
Strong quality (not ESD)
 Thickness: 68 mic. **235-1060**



Optionally with horizontal tensioner (prevents the bag from floating up)

Accessories and options EVOTEC vacuum cleaners

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



Filter cleaning options

EVOTEC

Cartridge filter system with compressed air cleaning



When ordering in combination with Vacon-FI 10% discount

SPECIAL OFFER!

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 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

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

EP 2140 and EP 2155
053-3032

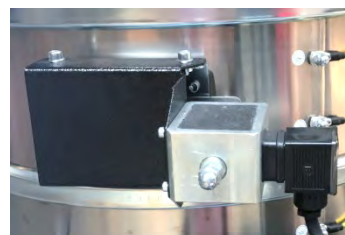
EP 2175 and EP 21130
053-3023

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**



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 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

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

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

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

1,5 kW - 3.0 kW	054-6940
4,0 kW - 5,5 kW	054-6941
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 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
with Switch box	054-6932
Bracket console Switch box	054-40208

Additional handheld transmitter **054-60322**

Pre-separators

EVOTEC

Dry pre-separators



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**

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



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 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 in the accessories.

Wet pre-separators



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

To vacuum liquids **053-1051**

Drain hose for pre-separator

universally suitable **053-3010**

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



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 vacuum bend Ø 50 mm

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

053-1070

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**



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**



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**



You Tube



On our YouTube channel you will find helpful application
videos for industrial floor cleaning.

(All Ø specifications refer to the hose inner diameter)

PP-Hoses and - components

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



PP-Hose antistatic, complete with fittings

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



Linear Meter, antistatic (for extension or self-assembly)

Ø 40 mm =	052-0130
Ø 50 mm =	052-0230



Hose sleeve (vacuum side) for PP-Hose antistatic

Ø 40 mm =	052-0140
Ø 50 mm =	052-0240



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

Ø 80 - 40 mm =	052-0159
Ø 80 - 50 mm =	052-0256

Superflex hoses and - components

Hose material made of polypropylene (PP), thread-reinforced and spiral-supported.
Particularly light and flexible even over longer distances. Best suitable material for industrial use. Conductive = conductive when the spiral is grounded



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 m Ø 50 mm =	052-0251



Linear Meter, conductive (for extension or self-assembly)

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



Hose sleeve (vacuum side) for Superflex-Hose antistatic

Ø 40 mm =	052-0139
Ø 50 mm =	052-0239



Hose sleeve (boiler side) including retaining ring for Superflex-Hose antistatic

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

(All Ø specifications refer to the hose inner diameter)

PUR-hoses and - 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 long Ø 40 mm = **052-0155**
 3,5 m long Ø 50 mm = **052-0252**
 5 m long Ø 40 mm = **052-0156**
 5 m long Ø 50 mm = **052-0253**

Running metre, conductive (for extension or self-assembly)



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**

ESD-hoses and - components

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 10³ to 10⁴ Ω.



ESD-Superflex-Hose

Completely electrically conductive 10⁴ Ω, light and flexible, spiral-supported and thread-reinforced

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



ESD-PUR-Hose

Completely electrically conductive 10³ Ω 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**

EVOTEC



EP Compression



INNOVATIVE
EXTRACTION
TECHNOLOGY



EP Compression – 400 Volt

EVOTEC



- ★ Parts in contact with the product made of V2A stainless steel (1.4301)
- ★ Fully equipped for safety
- ★ Strong vacuum power, ideal for compressible fabrics, e.g.:
Textiles, fleeces, packaging material
- ★ Sight glass for level monitoring
- ★ Reusable cloth filter bag

EP 2330
EP 2340

Version:



Alternative:
EBG
compression
with frequency
inverter

EP Compression – 400 Volt

EVOTEC



Powerful industrial vacuum cleaners, optimized for the extraction of compressible materials.

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

Textile industry: Vacuuming of yarns and fibres at textile machines

Packaging industry: Packaging remains and empty packages

Paper industry: Edge strips and cutting dust

These vacuum cleaners achieve **a greater storage capacity** toward conventional vacuum cleaners through compression.

By the airflow of the aspiration, the material is vacuumed into the filter bag. Inside, the material is **compressed by the high negative pressure**.

Afterwards, the compressed material can be easily disposed or recycled.

Optional: Ultrasonic sensor for level monitoring.

Equipped with an intake bend with Camlock coupling for a secure connection of the hose.

Length of the connection cable: 8 m

Model		EP 2330	EP 2340
Voltage	Volt	400	
Engine power	Watt	3.000	4.000
Max. air volume	m³/h	330	
Max. negative pressure	mbar	340	360
Filter area	m²	1,3	
Dirt container	ltr.	145	
Volume filter bag	ltr.	100	
Noise level	dB(A)	73	76
Vacuum connection	Ø mm	Camlock – 50	
Dimensions LxWxH	cm	120 x 68 x 136	
Weight	kg	85	87
Dust clas M	Item-No.	251-2040	251-2050

Scope of delivery includes: 3,5 m hose Ø 50 mm and scoring nozzle



Option: Level monitoring



Reusable fleece bag



Option: FI

Accessories and accessory sets

Accessories compression vacuum cleaner


Cloth filter bag

Polyester needle felt fleece, Dust class M, for container Ø 500, length 750 mm, reusable

054-10143


Light fleece disposal bag

Thin fleece as insert for cloth filter bags, for easy disposal of the material, for container Ø 500, length 1050 mm flat width 820 mm


Jute bag

as coarse filter collection bag - ideal in combination with lightweight fleece disposal bag –

for container Ø 500,

length 980 mm

flat width 800 mm


PUR-vacuum hose

With sleeve for Camlock coupling

3,5 m, Ø 50 mm =

052-0278

5,0 m, Ø 50 mm =

052-0279

Matching Camlock hose sleeve

for hose Ø 50 mm

052-0261

Machine cleaning Set

optimal for cleaning
of production machines, completely antistatic

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

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 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**







You Tube



On our YouTube channel you will find helpful application
videos for industrial floor cleaning.

Control options

Control options	
	<p>Frequency inverter (FI) for stepless speed regulation and increase of efficiency and performance of the turbine.</p> <p>Functions FI Esco:</p> <ul style="list-style-type: none"> - Speed control - Remote ON/OFF <p>1,5 kW – 3,0 kW 054-6943 4,0 kW – 5,5 kW 054-6944</p>
	<p>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. <u>If not in combination with FU, FSK needs its own switch box.</u></p> <p>Without Switch box 054-6931 With Switch box 054-6930 Bracket console Switch box 054-40208</p>
	<p>Upgrade soft start with star-delta contactor combination up to 5.5 kW 054-6935</p>
	<p>Remote ON / OFF via Radio (FSF) Including handheld transmitter and receiver, works to 350 m range <u>If not in combination with FU, FSK needs its own switch box.</u></p> <p>With out Switch box 054-6933 with Switch box 054-6932 Bracket console Switch box 054-40208 Additional handheld transmitter 054-60322</p>

EVOTEC



EP safety vacuum

EP 2122 ECO-WB

EP312-100-WB



INNOVATIVE
EXTRACTION
TECHNOLOGY



EP Safety vacuum cleaner with wet separation

EVOTEC



Image shows EP 2122 ECO-WB



- ★ Full safety equipment - **E.g. for Additive Manufacturing** - Many years of experience with and for renowned manufacturers in the 3D printing industry
- ★ Complies with VDI 3405
- ★ Inert process: Liquid bath for passivation of explosive dusts (e.g.: aluminium, titanium).
- ★ Degassing valve
- ★ H14 cartridge filter (2m²) and Special VA filter (1m²)
- ★ ESD hose



EP 2122 ECO-WB
EP 312-100-WB

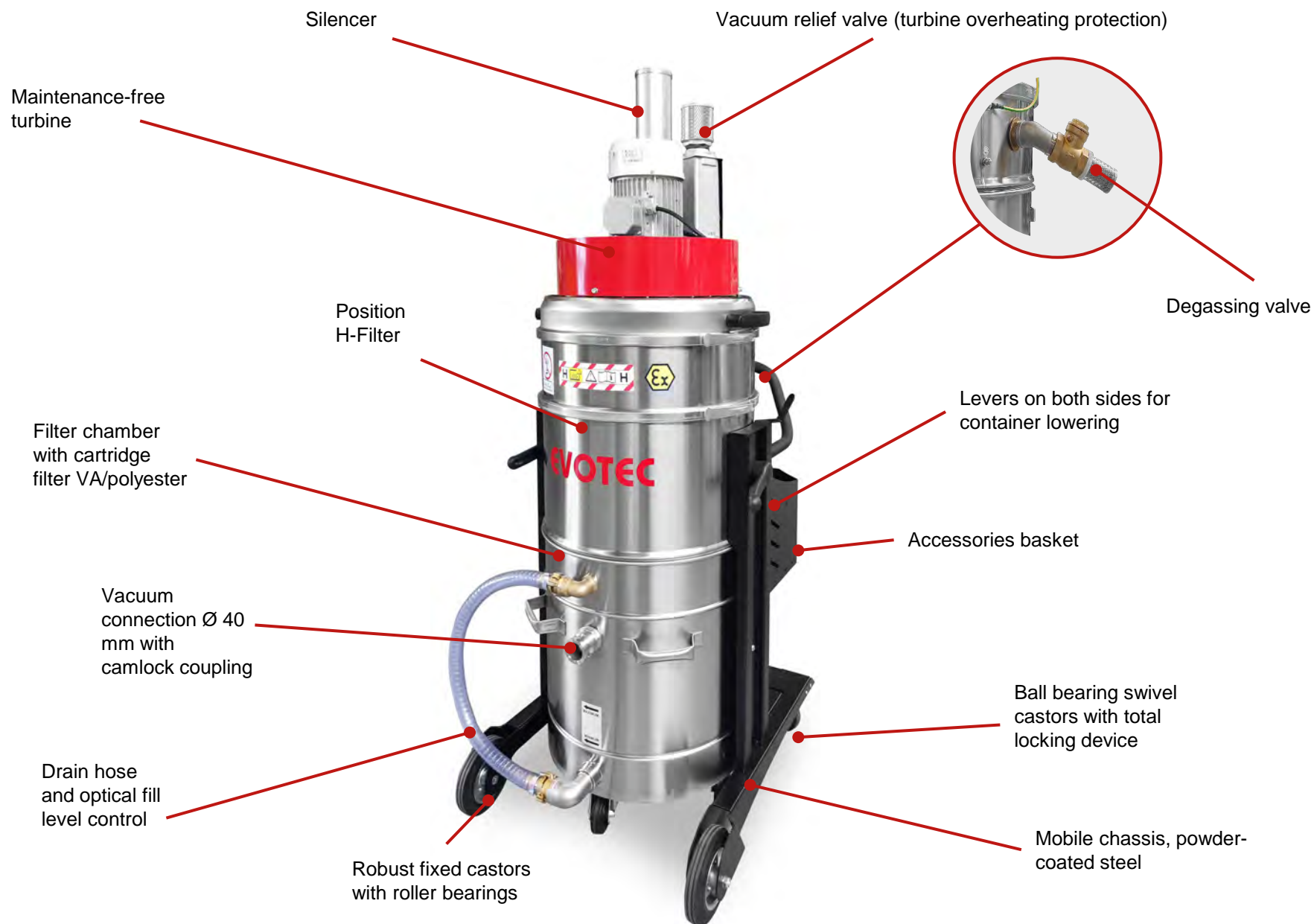
Versions:

Zone 1 + 2
Zone 21 + 22



EP Safety vacuum cleaner with wet separation

EVOTEC



Powerful industrial vacuum cleaner with liquid bath separator integrated in the dirt container for the extraction of explosive, deposited metal dusts such as aluminium, copper, titanium.

Through the inert process, the explosive material is passivated by the liquid bath.

Critical fine dusts are bound in liquid separation medium (e.g. water) - according to VDI 3405.

Large wet separator tank with safety device for passivation of sucked-in media:
Minimum-Level = 25 Litres
Maximum-Level = 35 Litres

Simple and fast optical level control (minimum and maximum filling) to ensure sufficient liquid level.

Degassing valve prevents build-up of gases and vapours.

Additional special VA filter plus H14 filter cartridge for reliable separation in dust class H according to EN 60335-2-69 and EN 62487.

Scope of delivery includes:
3,5 m ESD hose Ø 40 mm and scoring nozzle

High quality standards - EP 2122 ECO-WB with **electric drive**. Well-designed, sound-insulated turbine (side channel compressor) on the exhaust air side.

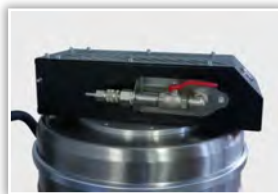
Or: EP 312-100 with **compressed air ejectors** - Powerful **compressed air variant**. **Attention:** external compressed air required (operating pressure 6 - 10 bar).



Convenient lowering of the dirt container for **easy disposal** of the suction material.

Vacuum bend with camlock coupling for safe connection of the hose.

Length connection cable: 8 m

Image shows compressed air head incl. ejectors (EP 312-110 WB)



Model		EP 2122 ECO-WB	EP 312-100-WB
Drive		Voltage: 400 Volt Engine power: 2.200 Watt	2 compressed air ejectors Consumption: 56 m³/h (at 4 bar flow pressure) Operating pressure: 6-10 bar
Max. air volume	m³/h	330	300
Negative pressure	mbar	240/ 300 max.	200/ 280 max.
Filter area VA-Filter Filter area „H“ (H14)	m² m²	1,0 + 2,0	
Dirt container in total: Minimum-Level Maximum-Level	Litres Litres Litres	100 25 35	
Protection class		IP 55	-
Noise level	dB(A)	76	
Vacuum connection	Ø mm	40 mm Camlock connection	
Dimensions LxWxH	cm	83 x 68 x 165	
Weight	kg	100	
Dust class	I-No.	 H/Typ22: 251-3080	 H/Zone 1, 2, 21, 22: 053-0083



Accessories liquid bath vacuum cleaner EP 2122 ECO-WB



Spare or exchange container 100 ltr.

Liquid bath pre-separator incl. lid with demister insert, drain hose (optical level control), camlock connection Ø 40 mm

054-3222



Camlock coupling

for suction hose with Ø40 mm hose nozzle

052-0198



ESD Superflex suction Hose

Completely electrically conductive $10^2 \Omega$
Ø 40 mm =

052-0200

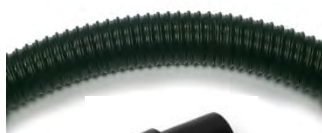


Hose socket (suction Side)

for Superflex hose antistatic

Ø 40 mm =

052-0139



ESD-PUR suction Hose

Completely electrically conductive $10^2 \Omega$
Ø 40 mm =

052-0196



Hose socket (suction Side)

for PUR Hose antistatic

Ø 40 mm =

052-0141

Accessories liquid bath vacuum cleaner EP 2122 ECO-WB

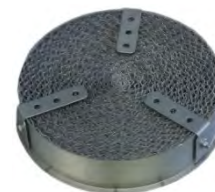


Filter cartridge M

Polyester fleece electrically conductive, 0.5 m², L 250 mm (3 pieces required)

1 Piece

054-20124



Stainless Steel demister for

Water bath separator
height 50mm, density 175 kg/m³

Demister

054-90190

Holder for demister
(3 pieces are needed)

054-30102



Dust class H (H14) absolute cartridge filter

Support grids on both sides

Replacement filter for repurchase:

2,0 m², Ø 500 mm =

054-20027



Drain Hose

For liquid bath pre-separators

Ø25mm, linear metre =

054-30033

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**



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**



Height cleaning set

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

consisting of 4 hand tubes Ø 40 mm, each 500 mm long,

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

Ø 40 mm **052-1090**



YouTube



On our YouTube channel you will find helpful application
videos for industrial floor cleaning.

EVOTEC



EP compressed air
dry vacuum
EP 312-60




INNOVATIVE
EXTRACTION
TECHNOLOGY



EP Compressed air dry vacuum

EVOTEC



- ★ Parts in contact with the product made of V2A stainless steel (1.4301)
- ★ Powerful compressed-air ejectors with silencers
- ★ **ATEX marking:**
 **EX II 2 GD c IIB TX**
suitable for zone 1 and 2 as well as zone 21 and 22 tested by IBExU
- ★ Fully equipped for safety
- ★ Convenient dirt container lowering for easy disposal

EP 312-60

Versions:

Zone 1 + 2

Zone 21 + 22



EP Compressed air dry vacuum

EVOTEC



Powerful compressed air vacuum cleaner to vacuum all dry dust particles – from coarse dirt to fine dust (μm)

High quality standards– well designed, powerful **compressed-air ejectors with silencer** for the secure usage even in explosive areas (Zones 1/2 and 21/22).

No electric components. Suitable for **three-shift-operation**.

Comfortable lowering of the dirt container for **easy disposal** of the absorbed matter.

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

1st Filter stage: Pocket filter with PUR-membrane, **Dust class M**.

2nd Filter stage: Absolut-cartridge filter, **Dust class H (H14)**.



Effective, easy-to-use **filter cleaning** for high filter power and long working 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 hose.

When used in a zone: Includes **ESD rollers and grounding terminal** for potential bonding
Length: 2 m

Attention: external compressed air required (operating pressure 6 - 10 bar).

Model		EP 312-60 Dry vacuum
Compressed air ejectors	Number	2
Consumption	m ³ /h	56 (at 4 bar flow pressure)
Operating pressure	bar	6 – 10
Max. air volume	m ³ /h	300
Max. negative pressure	mbar	200 - 280
Filter area „M“ Filter area „H“ (H14)	m ² m ²	2,2 or 3,2 + 2,0
Dirt container	ltr.	60
Vacuum connection	Ø mm	80
Noise level	dB(A)	78
Dimensions LxWxH	cm	83 x 68 x 140
Weight	kg	100
Dust class M	Item-No.	151-1082
Dust class H	Item-No.	151-1083
Dust class M Zone 1, 2, 21, 22 	Item-No.	151-1084
Dust class H Zone 21, 22 	Item-No.	151-1085

Scope of delivery includes: 3,5 m hose Ø 50 mm and scoring nozzle



Filters and Accessories

EVOTEC

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 °C
Continuous up to 150 °C

2,20 m², Ø 500 mm = **054-20116**
3,20 m², Ø 500 mm = **054-20117**



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 m², Ø 500 mm = **054-20128**
3,20 m², Ø 500 mm = **054-20129**



Dust class H (H14)

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

Replacement filter for repurchasing
2,0 m², Ø 500 mm = **054-20027**

Accessories



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**



Hose holder

Suitable for all models with 60 litre dirt containers.

For 10 m hose
053-3070

(All Ø specifications refer to the hose inner diameter)

PP-Hoses and - components

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



PP-Hose antistatic, complete with fittings

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



Linear Meter, antistatic (for extension or self-assembly)

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



Hose sleeve (vacuum side) for PP-Hose antistatic

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



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

Ø 80 - 40 mm = **052-0159**
Ø 80 - 50 mm = **052-0256**

Superflex hoses and - components

Hose material made of polypropylene (PP), thread-reinforced and spiral-supported.
Particularly light and flexible even over longer distances. Best suitable material for industrial use. Conductive = conductive when the spiral is grounded



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 m Ø 50 mm = **052-0251**



Linear Meter, conductive (for extension or self-assembly)

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



Hose sleeve (vacuum side) for Superflex-Hose antistatic

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



Hose sleeve (boiler side) including retaining ring for Superflex-Hose antistatic

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

(All Ø specifications refer to the hose inner diameter)

PUR-hoses and - 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 long Ø 40 mm = **052-0155**
 3,5 m long Ø 50 mm = **052-0252**
 5 m long Ø 40 mm = **052-0156**
 5 m long Ø 50 mm = **052-0253**

Running metre, conductive (for extension or self-assembly)



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**

ESD-hoses and - components

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 10³ to 10⁴ Ω



ESD-Superflex- hose

Completely electrically conductive 10⁴ Ω light and flexible, spiral-supported and thread-reinforced

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



ESD-PUR-hose

Completely electrically conductive 10³ Ω 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**

(All Ø specifications refer to the hose inner diameter)

Metal-hoses and- components

Hose material metal, metal tapes with sealing threads, flexible, axial mobility, torsional stability, heat resistant to 400° C.

Only suitable for dry dust

	<p>Metal hose, glass thread sealed, complete with sleeves</p> <p>3,5 m length Ø 40 mm = 052-0186 3,5 m length Ø 50 mm = 052-0271 5 m length Ø 40 mm = 052-0187 5 m length Ø 50 mm = 052-0272</p>
	<p>Linear metres (for extension or self-assembly)</p> <p>Ø 40 mm = 052-0185 Ø 50 mm = 052-0270</p>
	<p>Universal trousers sleeve (boiler side) suitable for all hose qualities</p> <p>Ø 80 - 40 mm = 052-0175 Ø 80 - 50 mm = 052-0266</p>
	<p>Hose sleeve (vacuum side) for Metal - Hose</p> <p>Ø 40 mm = 052-0112 Ø 50 mm = 052-0208</p>

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**



YouTube



On our YouTube channel you will find helpful application
videos for industrial floor cleaning.

EVOTEC



Compressed air
wet vacuum
EP 302-120




INNOVATIVE
EXTRACTION
TECHNOLOGY



EP Compressed air wet vacuum cleaner

EVOTEC



- ★ Parts in contact with the product made of V2A stainless steel (1.4301)
- ★ Powerful compressed-air ejectors with silencers
- ★ **ATEX marking:**
 **EX II 2 GD c IIB TX**
suitable for zone 1 and 2 as well as zone 21 and 22 tested by IBExU
- ★ Fully equipped for safety

EP 302-120

Versions:

Zone 1 + 2
Zone 21 + 22



EP Compressed air wet vacuum cleaner

EVOTEC



Powerful compressed air wet vacuum cleaner for the extraction of liquids.

High quality standards– well designed, powerful **compressed-air ejectors with silencer** for the secure usage even in explosive areas (Zones 1/2 und 21/22).

No electric components.
Suitable for **three-shift-operation**.


Floating device for monitoring of the liquid level (Interruption of the vacuumed air current).

Tipper chassis for easy disposal of the absorbed matter.
Fast coupling with locking

mechanism and rotating device for a secure connection of the hose.

Including 1 m dump hose for the disposal of liquids.

While using in an EX-Zone:
Includes **ESD-castors** and **grounding terminal** for potential bonding
Length: 2 m

Model		EP 302-120 wet-vacuum
Compressed air ejectors	Number	2
Consumption	m³/h	56 (at 4 bar flow pressure)
Operating pressure	bar	6 - 10
Max. air volume	m³/h	300
Max. negative pressure	mbar	200 - 280
Dirt container	ltr.	120
Vacuum connection	Ø mm	80
Noise level	dB(A)	78
Dimensions LxWxH	cm	95 x 67 x 116
Weight	kg	74
Wet-Vacuum standard	Item-No.	151-1041
Wet-Vacuum Zone 1, 2, 21, 22 	Item-No.	151-1043

Scope of delivery includes: 3,5 m hose Ø 50 mm and scoring nozzle



Accessories

(All Ø specifications refer to the hose inner diameter)

PUR-hoses and - 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 long Ø 40 mm = 052-0155
	3,5 m long Ø 50 mm = 052-0252
	5 m long Ø 40 mm = 052-0156
	5 m long Ø 50 mm = 052-0253

Running metre, conductive
(for extension or self-assembly)

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

Drain Hose	
Ø25 mm, linear metre =	054-30033

Machine cleaning Set

optimal for cleaning
of production machines, completely antistatic

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

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 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**



You Tube



On our YouTube channel you will find helpful application videos for industrial floor cleaning.

EVOTEC



Pump vacuum EP 1024



INNOVATIVE
EXTRACTION
TECHNOLOGY



EP Wet- pump vacuum cleaner 1024 – 230 Volt

EVOTEC



- ★ Parts in contact with the product made of V2A stainless steel (1.4301)
- ★ High vacuum power
- ★ Tilting device for easy emptying
- ★ EP 1024 Pump:
Build-in 900W-pump
- ★ Drain hose

EP 1024 Pump

Versions:



EP Wet- pump vacuum cleaner 1024 – 230 Volt

EVOTEC



EP 1024 Powerful pump vacuum cleaner

With fix installed stainless steel immersion pump (900W) for **continued absorbing of liquids and simultaneously pumping further** in one operation.

Including PRCDS-safety switch

Pump output: 280 l/min – not suitable for dry matter.

Optional: Equipped with Stortz-C-coupling and wastewater hose 15m.

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

For suction of large-area liquid distribution at low level when conventional pump cannot capture it. Example of use: Fire brigade vacuum cleaner in case of flooding.

Length connection cable: 8 m



Model		EP 1024 Pump
Voltage	Volt	230
Engine power	Watt	2.400
Pump capacity	Watt	900
Max. air volume	m³/h	330
Max. negative pressure	mbar	210
Dirt container	ltr.	120
Protection class		IP 33
Noise level	dB(A)	76
Vacuum connection	Ø mm	80
Dimensions LxWxH	cm	95 x 67 x 132
Weight	kg	70
Item-Number		151-1030

Scope of delivery includes for each: 3,5 m hose Ø 50 mm and scoring nozzle



Accessories

Accessories and options for pump vacuums

	Waste water hose 15 m with Stortz/C coupling for pump vacuum cleaner Applicable to 10 bar inner diameter 52 mm 732-1016
	Stortz/C coupling 1 1/2" IG Connection piece for container from pump suction to be able to connect waste water hose. Has to be ordered with machine. 732-1022
	PRCDS personal protection switch for 230 V devices Recommended by the professional association 143-1010
	Chip basket 60 litres for chip-emulsion vacuum cleaner floor height adjustable from 190 - 375 mm Instead of separator plate (optional) with machine order 053-3090 To buy later as spare part 054-30075
	PUR-vacuum hose With sleeve for Camlock coupling 3,5 m, Ø 50 mm = 052-0278 5,0 m, Ø 50 mm = 052-0279 Matching Camlock hose sleeve for hose Ø 50 mm 052-0261 Drain hose Ø 25 mm, linear metre = 054-30033

Machine cleaning Set

optimal for cleaning
of production machines, completely antistatic

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

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 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**



You Tube



On our YouTube channel you will find helpful application
videos for industrial floor cleaning.

EVOTEC



Wet and dry Vacuum EP 1036



INNOVATIVE
EXTRACTION
TECHNOLOGY



EP Wet- and dry vacuum cleaner EP 1036 – 230 Volt

EVOTEC



- ★ Parts in contact with the product made of V2A stainless steel (1.4301)
- ★ High vacuum power
- ★ Tilting device for easy emptying
- ★ Electric level monitoring
- ★ Three cartridge filters with automatic cleaning
- ★ Drain hose

EP 1036

Versions:



EP Wet- and dry vacuum cleaner EP 1036 – 230 Volt

EVOTEC



EP 1036 Powerful wet and dry vacuum cleaner

Wet vacuum: Innovative **electronic fluid level control** with engine shutdown when maximum level is reached.

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

Three cartridge filters with **automatic cleaning**.

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

Tilting chassis for easy disposal of the vacuumed material.

Length of connection cable: 8 m

Included in delivery: 1.0 m discharge hose and vacuum hose, scoring nozzle.

Length connection cable: 8 m

Model		EP 1036
Voltage	Volt	230
Engine power	Watt	3.600
Max. air volume	m³/h	490
Max. negative pressure	mbar	210
Filter area	m²	1,5
Dirt container	ltr.	120
Protection class		IP 33
Noise level	dB(A)	78
Vacuum connection	Ø mm	80
Dimensions LxWxH	cm	95 x 67 x 132
Weight	kg	68
Dust class M	Item-No.	151-1042

Scope of delivery includes for each: 3,5 m hose Ø 50 mm and scoring nozzle



Accessories

EVOTEC

Accessories for wet-vacuums



Pocket filter for EP 1036

for wet and dry vacuum cleaner EP 1036, (for version to 2017)
1.0 m², 9 pockets, Ø 500 mm, replacement filter for repurchase

Filter = 054-10144
Ring = 054-10136



Filter cartridges for EP 1036

for EP 1036 version from 2017 Filter cartridge 0,5m², dust class M, you need 3 pieces

per piece 054-20124



Chip basket 60 litres

for chip-emulsion vacuum cleaner floor height adjustable from 190 - 375 mm

Instead of separator plate (optional)
with machine order 053-3090

To buy later
as spare part 054-30075



PUR-vacuum hose

With sleeve for Camlock coupling
3,5 m, Ø 50 mm = 052-0278
5,0 m, Ø 50 mm = 052-0279

Matching Camlock hose sleeve
for hose Ø 50 mm 052-0261

Drain hose
Ø 25 mm, linear metre = 054-30033

Machine cleaning Set

optimal for cleaning
of production machines, completely antistatic

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

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 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



On our YouTube channel you will find helpful application
videos for industrial floor cleaning.



EVOTEC



Chip-liquid vacuum

EP 1236-140

EP 1236-100



INNOVATIVE
EXTRACTION
TECHNOLOGY



EP Chip- liquid vacuum cleaner – 230 Volt

EVOTEC



- ★ Parts in contact with the product made of V2A stainless steel (1.4301)
- ★ High vacuum power
- ★ Motor head with single switchable motors
- ★ EP 1236-100:
lowerable
100 l dirt container
- ★ EP 1236-140:
tiltable 140 l dirt container
- ★ 360° vacuum connection
- ★ Chip separation floor/chip basket
- ★ Visual control via drain hose

Image shows 1236-100

EP 1236-100
and sensor
EP 1236-140
Versions:



EP Chip-liquid vacuum cleaner – EP 1236-100

EVOTEC



EP Chip-liquid vacuum cleaner – EP 1236-140

EVOTEC



Powerful industrial vacuum cleaners for chip extraction

For the **extraction and separate disposal** of solids/chips and liquids/emulsions.

Dirt container with integrated **chip separation floor or chip basket**. The chips remain on the chip separation floor (or chip basket), the liquids produced can be disposed of separately via the drain hose.

Electronic fill level control or optical fill level control via the drain hose.

360° vacuum intake bend with camlock coupling.

The following applies to both models: Robust and smooth-running chassis for high mobility. Compact, modular design with high-quality stainless steel dirt container (**V2A**).

Liquid-repellent cartridge filter prevents oil mist and dust intake

Length connection cable: 8 m



Image shows 1236-140

Model		EP 1236-140	EP 1236-100
Voltage	Volt	230	
Engine power	Watt	3.600	
Max. air volume	m³/h	490	
Negative pressure	mbar	210	
Filter area	m²	1,0	
Dirt container	ltr.	140	100
Chip basket	ltr.	60	Separation floor
Protection class		IP 33	
Noise level	dB(A)	78	
Vacuum connection	Ø mm	50 mm camlock connection	
Dimensions LxWxH	cm	95 x 67 x 132	75 x 65 x 131
Weight	kg	80	70
Standard version optical level control	Item-No.	151-2010	151-3000
Version with sensor (Level control)	Item-No.	151-2011	151-3001

Scope of delivery includes: 3,5 m hose Ø 50 mm and scoring nozzle

1236-100



1236-140



Accessories

Accessories for wet- and chips vacuums	
	<p>Chip basket 60 litres for chip-emulsion vacuum cleaner floor height adjustable from 190 - 375 mm</p> <p>Instead of separation floor (optional) with machine order 053-3090</p> <p>For repurchasing as spare part 054-30075</p>
	<p>PUR-Hose for chip-emulsion vacuum cleaners with sleeve for Camlock coupling 3,5 m, Ø 50 mm = 052-0278 5,0 m, Ø 50 mm = 052-0279</p> <p>Matching Camlock hose sleeve for Hose Ø 50 mm 052-0261</p>
	<p>Drain Hose For liquid bath pre-separators</p> <p>Ø25mm, linear metre = 054-30033</p>
	<p>Cartridge filter for chip emulsion vacuum cleaner</p> <p>For models EP 1236, EP 1236-100 and EP 1236-140 suitable for oil mist and dirty water, rinseable</p> <p>Spare filter for additional purchase</p> <p>1.0 m², Ø 500 mm = 054-10059</p>

Accessory sets	
 	<p>Machine cleaning Set optimal for cleaning of production machines, completely antistatic</p> <p>Consisting of mass suction nozzle, inclined pipe rubber nozzle, pointed rubber nozzle</p> <p>Ø 50 mm 052-1071</p>
 	<p>Industrial floor cleaning set for the cleaning of all floors, completely antistatic</p> <p>Consisting of multi-part hand tube, metal roller nozzle with brush strips and replacement rubber strips</p> <p>Ø 50 mm, working width 370 mm 052-1041</p> <p>Ø 50 mm, working width 450 mm 052-1051</p> <p>Ø 50 mm, working width 500 mm 052-1061</p>

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Chip wet vacuum
with pressure
discharge



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Chip-wet vacuum cleaners– 230/400 Volt – Pressure discharge

EVOTEC



- ★ Parts in contact with the product made of V2A stainless steel (1.4301)
- ★ High vacuum power
- ★ Fully equipped for safety
- ★ Separate disposal of chips and liquids (chip basket)
- ★ Pressure discharge
- ★ Comfortable emptying via separate drain hose.
- ★ Automatic filling level control

EP 1236

EP 2230

EP 2240

EP 2255

Versions:



Chip-wet vacuum cleaners– 230/400 Volt – Pressure discharge

EVOTEC



Powerful chip extractor with pressure discharge

For **vacuuming and separating** solid material / swarf and liquids / emulsions.

Comfortable evacuation via dump hose with ball valve (no pump).

By **reversing the thrust**, the liquid is pressed outwards and the chips are freed from liquid.

Coolants can thus be recycled. Easily accessible chip basket.

Including **oil-resistant drain hose**, length 2 m, with ball valve for pressure drainage.

Innovative **electronic fill-level sensor (patented)** shuts down the engine when the liquid reaches maximum level.

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

Liquid repellent cartridge filter avoids the sucking of oil mist or dust.

Length connection cable: 8 m

EP1236: Pressure release by thrust reversal. The liquid is pressed outwards via thrust reversal.

EP2230-2255: Discharge by powerful pump.

Direct start-up (optionally available with star-delta soft start 054-6935).

Model		EP 1236	EP 2230	EP 2240	EP 2255
Voltage	Volt	230	400		
Engine power	Watt	3.600	3.000	4.000	5.500
Max. air volume	m³/h	490	330		510
Negative pressure	mbar	210	300	320	320
Filter area	m²	1,0			
Dirt container	ltr.	145			
Chip basket	ltr.	60			
Level control	Type	electric	Pressure switch		
Discharge	Art	Pressure discharge thrust reversal	Pump 350 W / 230 V / 50 Hz 56 l/min – 2,9 bar		
Protection class		IP 33	IP 55		
Noise level	dB(A)	78	70	76	
Vacuum connection	Ø mm	50 mm camlock connection			
Dimensions LxWxH	cm	120x68x136			125x68x136
Weight	kg	100	168	170	191
	I.-No.	151-2000	251-2020	251-2030	251-2080

Scope of delivery includes: 3,5 m hose Ø 50 mm and scoring nozzle



Accessories

EVOTEC

Accessories for wet- and chips vacuums



Swarf basket 60 litres

for chip-emulsion vacuum cleaner floor height adjustable from 190 - 375 mm

Instead of separator plate (optional)
with machine order **053-3090**

To buy later
as spare part **054-30075**



PUR-Hose

for chip-emulsion vacuum cleaners with sleeve for Camlock coupling

3,5 m, Ø 50 mm = **052-0278**

5,0 m, Ø 50 mm = **052-0279**

Matching Camlock hose sleeve
for Hose Ø 50 mm **052-0261**



Cartridge filter for chip emulsion vacuum cleaner

For models EP 1236, EP 1236-100 and EP 1236-140 suitable for oil mist and dirty water, rinsable

Spare filter for additional purchase

1.0 m², Ø 500 mm = **054-10059**



Drain Hose

For liquid bath pre-separators

Ø25mm, linear metre = **054-30033**

Machine cleaning Set

optimal for cleaning
of production machines, completely antistatic

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

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 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**



You Tube



On our YouTube channel you will find helpful application
videos for industrial floor cleaning.

Accessories and options

Wet pre-seperator



Pre-separator 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-separator

universally suitable **053-3010**

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



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 vacuum bend Ø 50 mm

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

053-1070

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

Barrel pre-seperator



Barrel 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**

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

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EXTRACTION SYSTEMS



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EBG Built-in units



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EBG – Built-in units

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- ★ Process-adapted vacuum device with high negative pressure for vacuuming of dry dust particles
- ★ Brushless motor for permanent operation (24/7) and EX-protection
- ★ Simple under-sink device with smart features
- ★ Version in stainless steel on request

EBG

Versions:



Compact built-in device with stainless steel container – usable for almost all purposes in industry and trade.

Robust brushless motors are suitable for continuous operation, as well as for 3-shift operation.

High quality cartridge filter for high filter power and high filter lifetime.



Optimal use at:

- At conveyors (e.g. granulate material etc.) to generate vacuum and for the filtration of residual dusts.
- Integration into manufacturing and fabrication processes to generate vacuum.
- As a quiet under table unit, e.g. in goldsmiths, dental laboratories or for engraving.
- Continuous vacuuming of dusts from manufacturing or packaging machines.

Device can be individually adapted according to your requirements, it can be assembled by means of the modular system.

Assemble your system individually from these assemblies:




1. Base plate
2. Dirt container
3. Upgrades

ASSEMBLIES	EBG	EBG	EBG
1. Base plate with turbine (is to be selected from) Including motor protection, supporting feet Engine power 	1.100 W	1.100 W	1.800 W
<u>Technical details:</u>			
Max. air volume	380 m³/h	180 m³/h	340 m³/h
Max. negative pressure Max. negative pressure in operating condition approx.*)	10.000 Pa 9.500 Pa	23.000 Pa 21.000 Pa	21.000 Pa 19.500 Pa
Noise level at 40% of power Noise level at 100% of power	60 dB(A) 70 dB(A)	60 dB(A) 70 dB(A)	60 dB(A) 70 dB(A)
Dimensions L x W x H (varies depending on the equipment)	85 x 41 x 65-80 cm	85 x 41 x 65-80 cm	85 x 41 x 65-80 cm
Weight	28 kg	28 kg	30 kg
230 Volt – Item-No.: (50/60 Hz) 400 Volt – Item-No.: (50/60 Hz)	151-2022 -	151-2023 151-2062	151-2024 151-2063
2. Dirt container (to be added) including Lid and cartridge filter Vacuum lid Ø 50 mm (Vacuuming through lid via pipe bend) 	054-30133 (28 Litres) 054-30134 (38 Litres) 054-30135 (78 Litres) 054-3393 (78 Litres compression)		
28 Litres, Ø 310 mm 38 Litres, Ø 310 mm 78 Litres, Ø 400 mm 78 Litres compression, Ø 390 mm			
UPGRADES (optional) EX-Schutz ATEX Zone 22 ESD-Ausführung (RAL 7035)	054-8042 (EX Zone 22) 054-8044 (ESD-version)		

*) **Operating data** including standard filter equipment in operating condition without further options.

Options and accessories for EBG

Filter options for EBG

	<p>Automatic dedusting (PPU) Automatic control for the atmospheric pulse dedusting of the cartridge filter, suitable for all metal lids.</p> <p style="text-align: right;">053-3026</p>
	<p>Manual cleaning Valve with manually operated flap for atmospheric pulse cleaning of the cartridge filter, suitable for all metal lids</p> <p style="text-align: right;">054-1414</p>
	<p>Textile fleece filter bags hard wearing, for dust free disposal (pack = 10 pieces)</p> <p>For dirt container 28 und 38 literes 78 literes</p> <p style="text-align: right;">115-1022 115-1023</p> <p><i>Please note:</i> If the use of textile filter bags is desired, the option connection piece is required.</p>
	<p>Connection piece Ø 60 mm With deflector for dirt container. Allows the use of fleece filter bags. When selecting the vacuum hose, pay attention to the suitable container sleeve.</p> <p style="text-align: right;">054-3394</p>

Options and accessories for EBG

	<p>Cartridge filter dust class M For replacement, filter surface 0,5 m², dust class M 054-20124</p> <p>Cartridge filter dust class H Glass fibre, filter area 0,85m², dust class H14 054-20193</p>
	<p>Cloth filter bag for compression polyester fleece, dust class M, disposal of compressed material for containers Ø 390, length 750 mm, reusable 054-20148</p>
	<p>Remote ON/OFF via cable (FSC) 24 volts with power supply unit (potential free contact), output voltage 24 volts AC with interconnection point, motor protection relay, switch. When the switch is in the remote position, the customers remote contact is integrated. FSC = 054-6936 Control cable with plug M16 = 072-0621</p>
	<p>Castors render the built-in unit mobile. Size 80 Ø mm, to screw on under the base plate</p> <p>Standard 054-40006 with parking brake 054-40007</p>
	<p>Vacuum hose PUR black antistatic Contact and surface resistance < 10⁹ Ohm linear meter Ø 50 mm 072-10007</p> <p>End sleeve electrically conductive for PUR-hose, 1 piece Ø 50 mm 072-10025</p>

EVOTEC



Mobile Fume Extraction FEX 1000 and 2000



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Mobile fume extraction FEX 1000 and FEX 2000

EVOTEC



- ★ Process adaptable extraction system for the extraction of smoke, vapours or suspended dusts
- ★ Powerful EC blower suitable for continuous operation (24/7), large air volume, infinitely variable volume flow control
- ★ Modern control technology with display of device status and filter messages
- ★ Reliable filtration due to graduated combination filter system
- ★ Connection for remote on/off control

FEX 1000
FEX 2000

Versions:



Process adaptable extraction system for the extraction of smoke, soldering smoke, vapours or floating dusts

High quality standards - suitable for **3-shift operation**.

Comfortable filter change by 2- or **3-cassette-system**, each individually removable.

Reliable filtering of suspended particles through the use of a graduated combination filter system. Activated carbon in the main filter reduces odours in the exhaust air.

For the extraction of laser smoke, welding and soldering fumes, cutting fumes as well as various vapours and solvents.

Permanently operational EC blowers for the extraction of large air volumes for the collection of suspended dusts.

*) **Operating data** including standard filter equipment in operating condition without additional options such as activated carbon filter, spark trap, pipework, etc. The operating point varies due to the power setting and pipe design (Ø, length) as well as measurement at the suction point.

Easy and convenient adjustment to individual requirements via **intuitive control panel**.

Clear graphic display and large, multi-coloured LEDs for **quick overview** of device status or settings.

EX-protected according to ATEX.



For safe extraction in Zone 22.

W3-Version

including expanded metal filter as spark arrester to prevent fire hazard.

Included in delivery:

Original Equipment Filter Set:

- Storage filter frame F9
- HEPA/ULPA filter H13/H14
- Activated Carbon filter

Model		FEX 1000	FEX 2000
Voltage at 50/60 Hz.	Volt	230 (or 110)	
Engine power	Watt	1.100	
Air flow max. free blowing at turbine	m³/h	350	
Air flow max. in operating condition *)	m³/h	200	
Maximum usable length of hose	m	12 (Ø 50 mm)	
Negative pressure max.	Pa	10.000	
Negative pressure in operating condition approx. *)	Pa	9.000	
1st filter stage storage filter frame F9	m²	2,2	2,5
2nd filter stage HEPA filter H13/H14	m²	2,8	5,6
3rd filter stage activated carbon filling	kg	3,0	5,8
Noise level	dB(A)	62	
Weight	kg	22 (+12 Filter)	25 (+20 Filter)
Dimensions L x W x H	mm	436 x 527 x 638	436 x 527 x 882
Protection class		IP 55	
Operating temperature	°C	5 – 40	
Operating humidity (non-condensing)	%	10 – 90%	
Stainless steel quality	VA	1.4301	
EX-protected		I.No. 710-1111	710-1121
W3-Version (Welding fumes)		I.No. 710-1113	710-1123

FEX 1000 and FEX 2000



8-pin socket for remote ON/OFF



FEX 1000 and FEX 2000

EVOTEC

Control technology:

Intuitive operation via keypad:

Device parameters individually adaptable

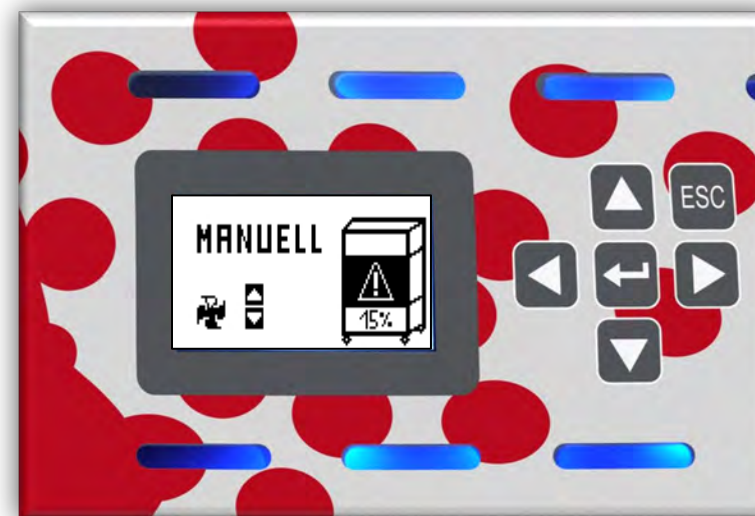
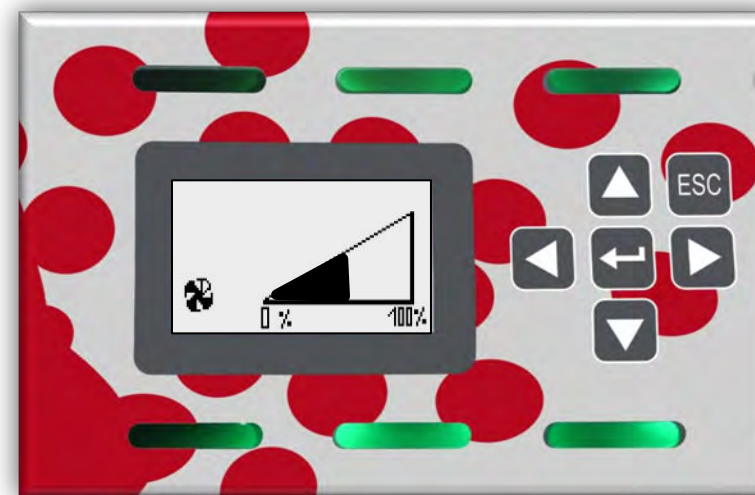
Extraction power infinitely variable during operation

Display of device status and warnings in easy-to-understand, intuitive pictograms :

- Filter status
- Malfunctions and warnings can be recognised at a glance by LED colour change

Connection for ON/OFF remote control

Connection to external controllers or devices: 8-pin socket for the possibility of remote on/off switching. The operating status and signals of fault messages can be transmitted potential-free or with 24 V. The matching mating connector is available as an accessory



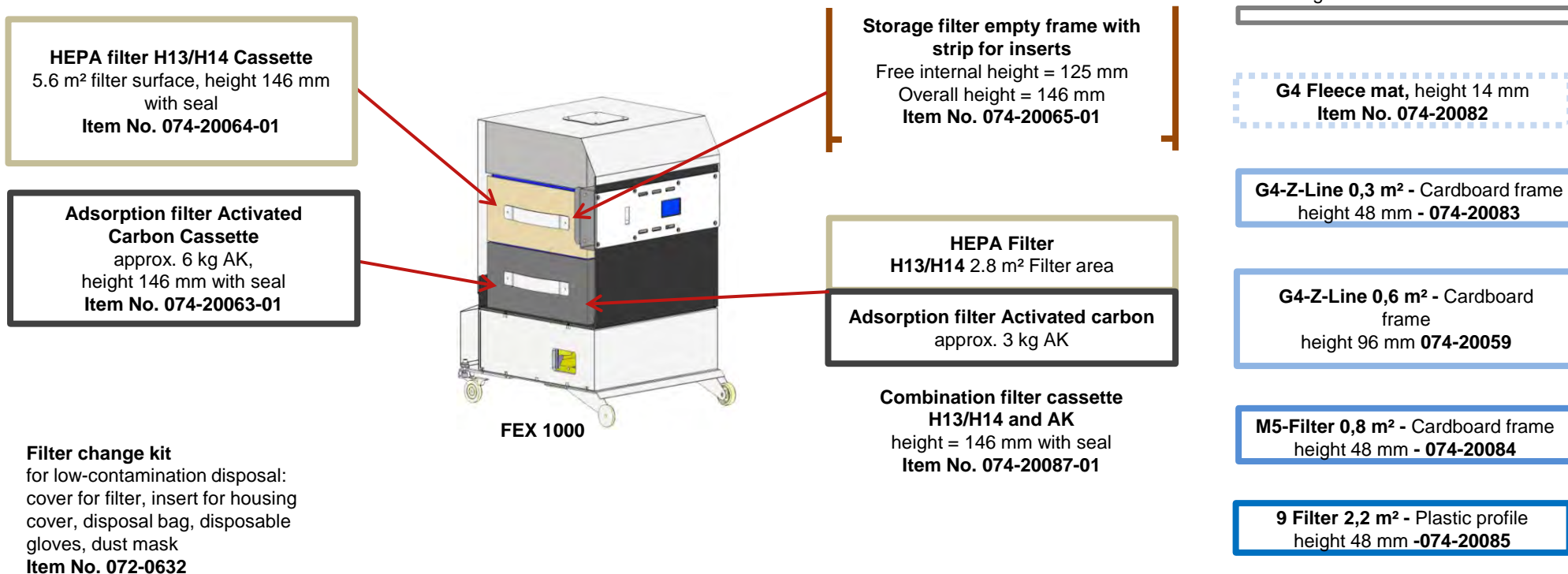
Replacement filters for FEX 1000

HEPA filters and adsorption filters consist of a stable MDF box with seal and are completely incinerable. Due to the separate design, they can be combined to suit the application and disposed of separately depending on the load.

As a storage filter, an empty frame can be equipped with suitable filter inserts as required. The use of an expanded metal filter is required for the W3 version. (In combination with storage filter empty frame + filter insert + expanded metal filter).

Combination possibilities:

All cassettes height 146 mm can be combined with each other



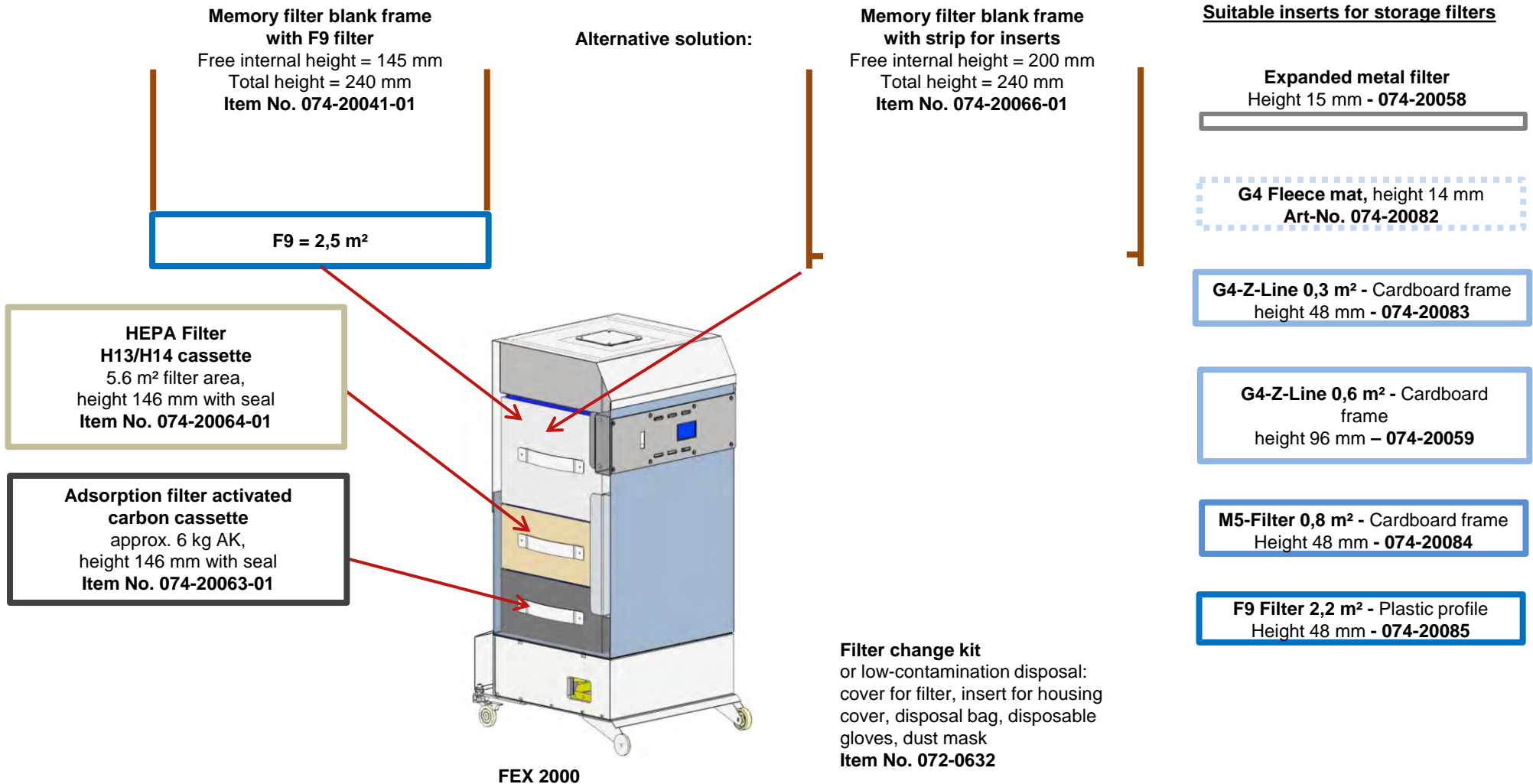
EVOTEC

Replacement filters for FEX 2000

HEPA filters and adsorption filters consist of a stable MDF box with seal and are completely incinerable. Due to the separate design, they can be combined to suit the application and disposed of separately depending on the load.

There is a choice of various storage filter variants: ready-made F9/M5 combi filter cassette or various empty frames, which can be equipped with suitable filter inserts according to requirements.

EVOTEC



Options and accessories FEX 1000/2000

EVOTEC

Vacuum hose and connections FEX 1000/2000	
	<p>Vacuum hose PUR black antistatic Contact and surface resistance < 10⁹ Ohm linear meter Ø 50 mm 072-10007</p> <p>End sleeve electrically conductive for PUR-hose, 1 piece Ø 50 mm 072-10025</p>
	<p>Vacuum hose PP for W3-design linear meter (not suitable for EX) Ø 50 mm 072-10003</p> <p>Fitting for PP-hose, 1 piece Ø 50 mm 072-10001</p>
	<p>Closing plug For closing of vacuum openings not needed Ø 50 mm 072-0609</p>

Vacuum hose & exhaust hoses FEX 1000/2000	
	<p>Adapter for connection hose For installation on top of the device, including hose clamp Ø 50 mm 072-0620 Ø 80 mm 072-0603</p>
	<p>Exhaust air or hose PUR black antistatic Can be used as exhaust air or vacuum hose, throughput and surface resistance < 10⁹ Ohm linear meter Ø 80 mm 072-10011 Ø 100 mm 072-10035</p>
	<p>Exhaust air hood with exhaust hose connection Exhaust air hood with connection for exhaust hose Ø 80 mm 072-0610 Ø 100 mm 072-0637</p>
	<p>Wire clamps single For vacuum or exhaust air hoses, galvanized steel Ø 50 mm 054-10090 Ø 80 mm 054-10091 Ø 100 mm 054-10092</p>




Options and accessories FEX 1000/2000

EVOTEC

Options FEX 1000/2000

	<p>Spark trap with knitted metal inlay prevents sparks from being sucked in. For integration in pipe system or hose</p> <p>Ø 50 mm 072-0626</p> <p>Ø 80 mm 072-0628</p> <p>Matching metal knitted inlay for</p> <p>Ø 50 mm 072-0626-01</p> <p>Ø 80 mm 072-0628-01</p>
	<p>Bracket for spark trap included in delivery. For variable attachment of the spark trap to beams at all angular degrees.</p>
	<p>Expanded metal filter as a spark arrester to prevent fire hazard, suitable for use in storage filters</p> <p>Piece 074-20058</p>
	<p>Cyclone pre-separator ESD for the pre-separation of larger quantities of fine dust. 28-l dirt container made of stainless steel, cyclone made of ESD plastic, connections Ø 50 mm</p> <p>28 litres container 053-1045</p>

Options FEX 1000/2000

	<p>Triangular socket wrench for FEX3000 front door</p> <p>Piece 074-20016</p>
	<p>Stand Set For increased stability of the system, e.g. for operation with vacuum arm</p> <p>Set 072-0350</p>
	<p>Power supply cable with angled cold appliance plug, 5 meters</p> <p>with EU Schuko plug 072-0343 open at the end 072-0130</p>

Options and accessories FEX 1000/2000

EVOTEC

Options FEX 1000/2000



Mating connector for 8-pin female connector
for connection to external controllers or devices for
remote control, without cable
Piece **072-0621**



Protective coating
in the upper housing area, recommended for the
extraction of acidic vapours
Attention: To be ordered together with machine
FEX 3000 **072-0619-02**
FEX 1000 / 2000 **072-0619-01**

Vacuum arms



Extraction arms enable **spot extraction** directly at
the point of origin. The **self-supporting**
construction with three stable joints makes it easy
to handle and position.

Standard version: Aluminium with polypropylene
joints.

ESD version: for ESD areas (electrostatic
discharge, certified according to IEC 61340-5-1).
Ideal for use in laboratories, electronics
manufacturing, pharmaceutical industry, etc.

+ **Energy saving**
+ **Low noise**
+ **Low pressure drop**



Vacuum arm for table mounting
Includes bracket for plate feed-through

Figure:
Standard version
Ø 50 mm - Range 1,300 mm
Option: hood tube and flat hood



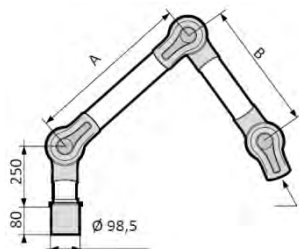
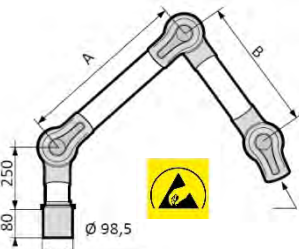
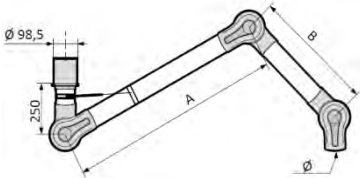
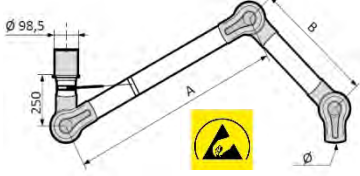
Vacuum arm for ceiling or wall mounting
without bracket

Figure:
ESD/ATEX version
Ø 50 mm - Range 1,300 mm
Option: hood tube and flat hood
Option: small wall bracket

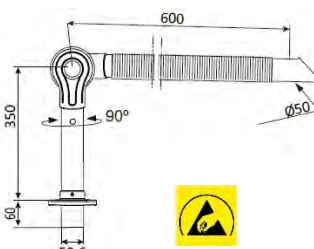
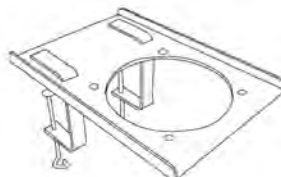
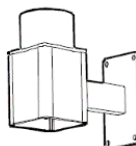
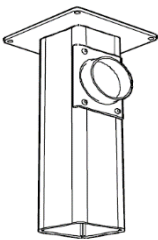
Options and accessories FEX 1000/2000

EVOTEC

Vacuum arms

	<p>Standard vacuum arm for table mounting Including console for panel feed-through</p> <p>Ø 50 mm Length 1.300 mm 072-0400 Length 1.500 mm 072-0401</p> <p>Ø 75 mm Length 1.300 mm 072-0402 Length 1.500 mm 072-0403</p>
	<p>ESD vacuum arm for table mounting Including console for panel feed-through</p> <p>Ø 50 mm Length 1.300 mm 072-0400-ESD Length 1.500 mm 072-0401-ESD</p> <p>Ø 75 mm Length 1.300 mm 072-0402-ESD Length 1.500 mm 072-0403-ESD</p>
	<p>Standard vacuum arm for ceiling or wall mounting, without console</p> <p>Ø 50 mm Length 1.300 mm 072-0404 Length 1.500 mm 072-0405</p> <p>Ø 75 mm Length 1.300 mm 072-0406 Length 1.500 mm 072-0407</p>
	<p>ESD vacuum arm for ceiling or wall mounting, without console</p> <p>Ø 50 mm Length 1.300 mm 072-0404-ESD Length 1.500 mm 072-0405-ESD</p> <p>Ø 75 mm Length 1.300 mm 072-0406-ESD Length 1.500 mm 072-0407-ESD</p>

Vacuum arms and consoles

	<p>Flexible ESD vacuum arm for table mounting Including console for panel feed-through</p> <p>Ø 50 mm Range 600 mm 072-0400-ESD</p>
	<p>Flexible table console Flexible holder for mounting on table tops or shelves. Supplied complete with two screw clamps. Suitable for</p> <p>For 072-0400-ESD: 072-0409-ESD</p> <p>Universal for Ø 50 mm and Ø 75 mm Standard 072-0428 ESD 072-428-ESD</p>
	<p>Wall console Universal console for vacuum arm for wall mounting. Suitable for Ø 50 mm and Ø 75 mm</p> <p>Standard 072-0427 ESD 072-0427-ESD</p>
	<p>Ceiling console The holder also functions as an exhaust air duct. Universally suitable for Ø 50 mm and Ø 75 mm</p> <p>Standard, length 250mm 072-0418 ESD, length 250mm 072-0418-ESD</p> <p>Standard, length 1000mm 072-0421 ESD, length 1000mm 072-0421-ESD</p> <p>→ Other designs/ lengths on request</p>

Optionen und accessories FEX 1000/2000

EVOTEC

Hoods and nozzles



Flat hood 300 x 200 mm

Especially suitable for gases and vapours. High vacuum efficiency in vertical position to the table surface, including hood tube

Standard Ø 50 mm **072-0414**

ESD Ø 50 mm **072-0414-ESD**

Standard Ø 75 mm **072-0415**

ESD Ø 75 mm **072-0415-ESD**



Vacuum tip, length 300 mm

For smaller, concentrated sources of pollutants; cantilevered vacuum tip for increased extraction efficiency

Standard Ø 50 mm **072-0410**

ESD Ø 50 mm **072-0410-ESD**

Standard Ø 75 mm **072-0411**

ESD Ø 75 mm **072-0411-ESD**



Flexible vacuum tip, length 600 mm, ESD

High efficiency paired with high flexibility

ESD Ø 50 mm **072-0412**

ESD Ø 75 mm **072-0413**



Round hood

Metal hood Ø 250 mm, including hood tube

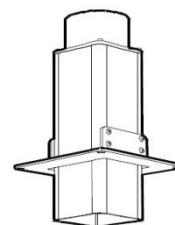
Standard Ø 50 mm **072-0432**

ESD Ø 50 mm **072-0432-ESD**

Standard Ø 75 mm **072-0433**

ESD Ø 75 mm **072-0433-ESD**

Accessories vacuum arm



Telescopic ceiling console

length up to 1000 mm

The holder also functions as an exhaust air duct. Universally suitable for Ø 50 mm and Ø 75 mm

Standard **072-0426**

ESD **072-0426-ESD**



Straight hood tube

Spare part for hood, also suitable as straight inlet nozzle

Standard Ø 50 mm **072-0429**

ESD Ø 50 mm **072-0429-ESD**

Standard Ø 75 mm **072-0430**

ESD Ø 75 mm **072-0430-ESD**



Reduction

Material PP

Standard Ø 100-50 mm **072-0416**

ESD Ø 100-50 mm **072-0416-ESD**

Standard Ø 100-75 mm **072-0417**

ESD Ø 100-75 mm **072-0417-ESD**



Protective guard

For mounting in Ø 75 mm joint

Standard Ø 75 mm **072-0431**

ESD Ø 75 mm **072-0431-ESD**

EVOTEC



Mobile Fume Extraction FEX 3000



INNOVATIVE
EXTRACTION
TECHNOLOGY

Mobile fume extraction FEX 3000

EVOTEC



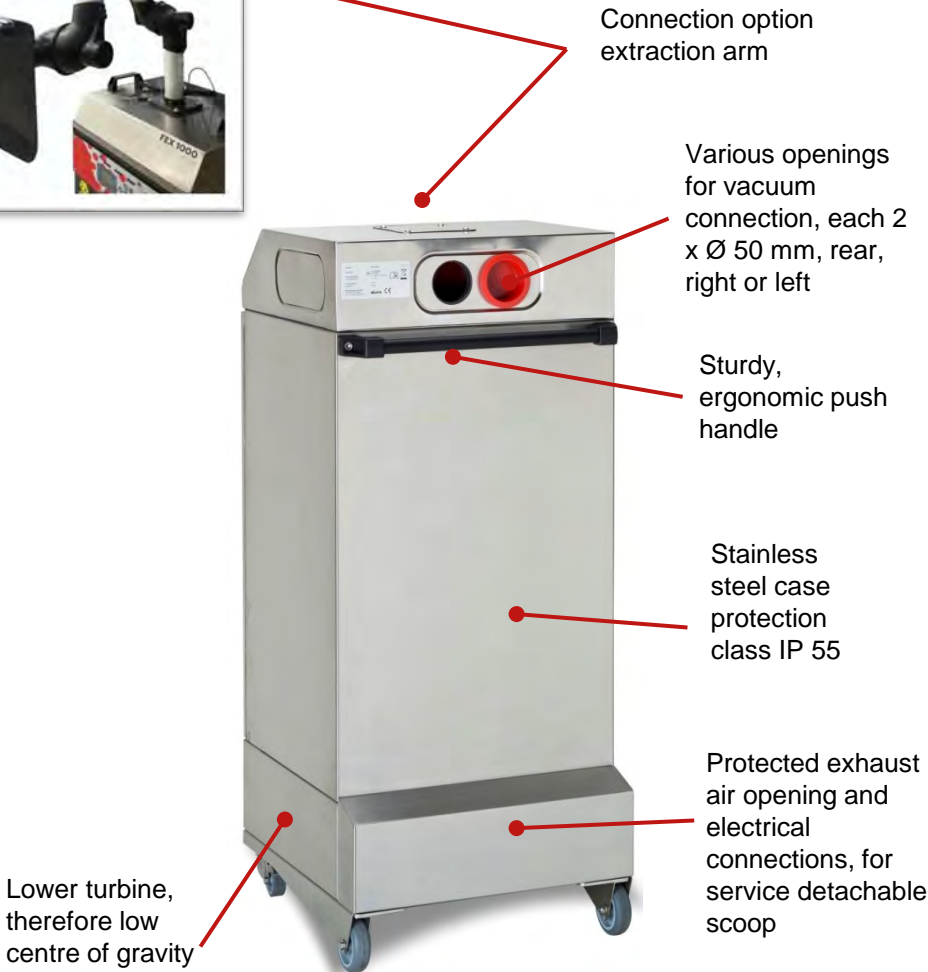
- ★ Process-adapted extraction system for vacuuming of smoke, vapours, aerosols and odours
- ★ Powerful EC-Turbine suitable for continuous operation (24/7), large air volume, stepless airflow control
- ★ Modern control technology with display of unit status and error messages
- ★ Reliable filtration due to graduated combi filter system
- ★ Connection for ON/OFF remote control
- ★ **Stainless steel body (VA 1.4301)**

FEX 3000

Versions:



FEX 3000



FEX 3000

EVOTEC

Process-adapted extraction system for vacuuming of smoke, vapours, aerosols and airborne particles

High quality standards - suitable for **3-shift operation**.

Comfortable filter change by **3-cassette-system**, each individually removable.

Reliable filtration of airborne particles by the use of an graduated kombi filter system. Activated carbon in the main filter reduces odours in the exhaust air.

For the extraction of laser fumes, welding- and soldering fumes, cutting fume as well as different steams and solvents.

EC-Turbine can be used for **continuous operation**, for the extraction of large air volumes to collect airborne particles.

Easy and comfortable adaption to the individual needs by an **intuitive control panel**.

Clear graphic display and large, multicolour LEDs for a quick **overview of the device status**, settings or error sources.

ESD and EX-protected according to ATEX

for the secure extraction in Zone 22:

Equipment and parts of the device electrically conductive.

Included in delivery:

Initial equipment set filter according to individual configuration.



W3-design – IFA certified




including expanded metal filter as spark trap to avoid fire hazard

Included in delivery:

- Storage filter frame F9
- HEPA filter H13/H14
- Activated carbon-Filter



*) **Operating data** including standard filter equipment in operating condition without additional options such as activated carbon filter, spark trap, pipework, etc. The operating point varies due to the power setting and pipe design (Ø, length) as well as measurement at the suction point.

Model		FEX 3000
Voltage 50/60 Hz.	Volt	230 (or 110)
Engine power	Watt	1.100
Max. air flow free blowing at turbine	m³/h	460
Max. air flow in operating condition*)	m³/h	260
Maximal length of vacuum hose	m	12 (Ø 50 mm)
Negative pressure max.	Pa	10.000
Negative pressure in operating condition max.*)	Pa	9.000
1st filter stage storage filter frame with F9	m²	2,5
2nd filter stage HEPA filter H13/H14	m²	5,6
3rd filter stage activated carbon	kg	5,8
Noise level	dB(A)	62
Weight	kg	25 (+20 Filter)
Dimensions L x W x H	mm	430 x 400 x 996
Protection class		IP 55
Operating temperature	°C	5 – 40
Operating humidity (non condensing)	%	10 – 90%
Stainless steel quality	VA	1.4301
ESD and EX-protection (electrostatic conductive)	 	Item No. 710-1131
W3-Design (Welding fumes)		Item No. 710-1132

Control technology:

Intuitive operation via keypad

Unit parameter individually adaptable

Continuously variable control of the vacuum power during operation.

Display of unit status and warning messages in easy understandable, intuitive pictograms:

- Filter status - Filter warning at 80% fill level
- Fill level warnings
- Unit errors, e.g. hose blocked, door open etc.
- Messages of filter break (optional)
- Messages of saturation activated carbon (optional)

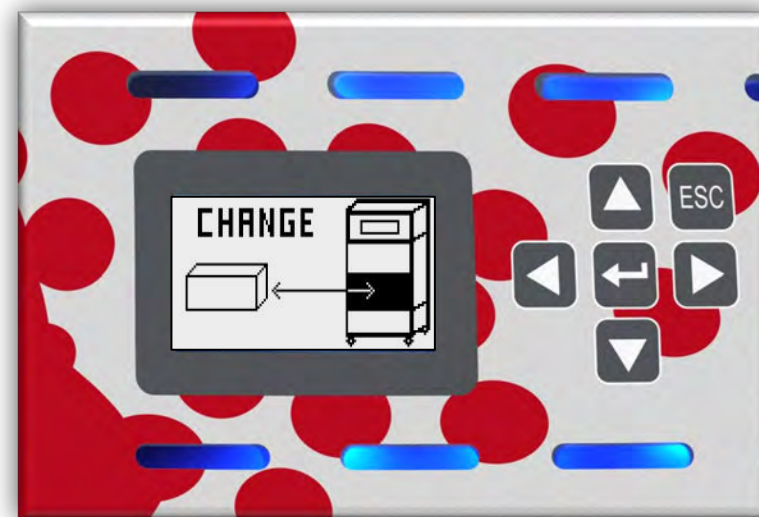
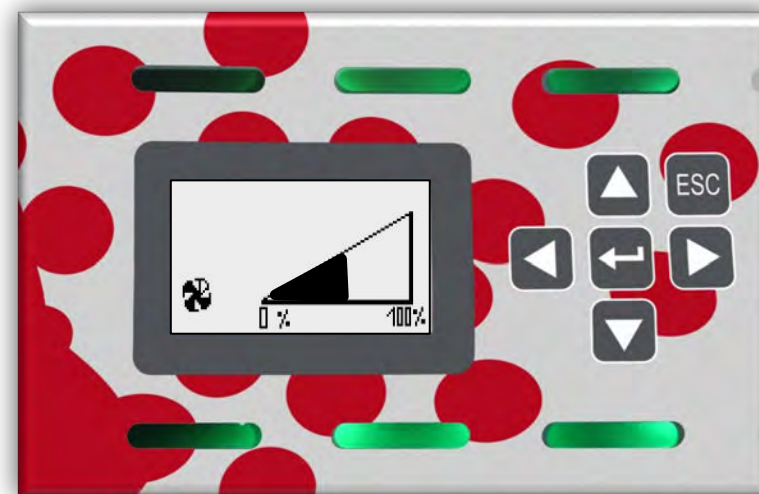
Errors and warnings visible at a glance by changing of the LED colours.

Connection for on/off remote control

Connection to external controllers or devices:

8-pin socket for the possibility of remote on / off switching.
Operating status and signals of fault messages can be forwarded potential-free or with 24 V.

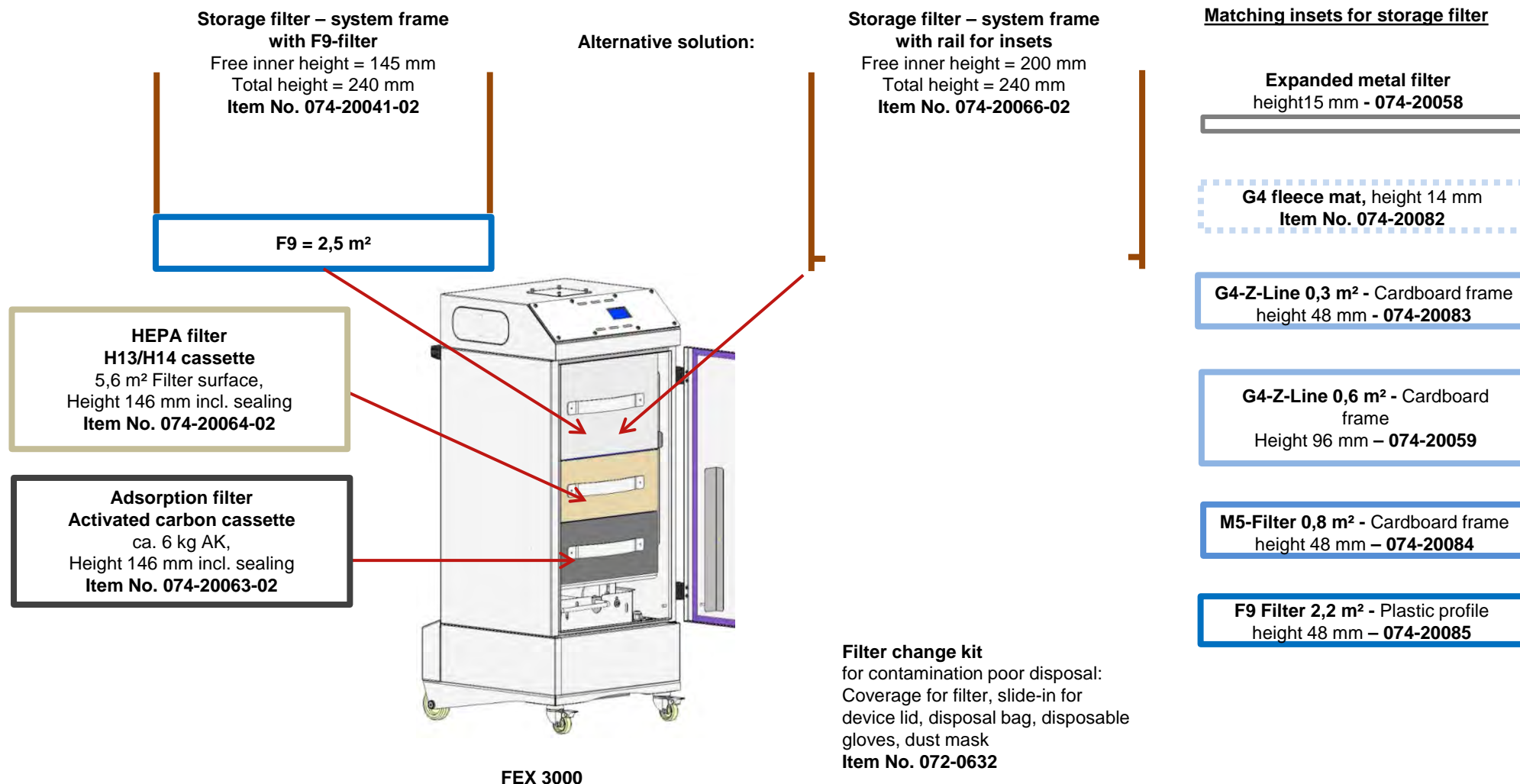
The matching mating connector is available as an accessory.



Replacement filters for FEX 3000

HEPA filter and adsorption filter consist of a sturdy MDF-box with sealing and are fully incinerable. Due to the separate variant, the filters can be combined depending on the application and be disposed separately depending on the filter load.

As storage filter, different variants can be chosen: ready-to-use combi filter cassette F9/M5 or diverse system frames, which can be equipped with different filter insets depending on the application.



FEX 3000

Filter technology:

Three individual removable filter cassettes
MDF-frames, fully incinerable

1st filter step, storage filter:

M5/F9-combination of synthetic pleat and glass fibre fleece,
filter surface 1,2 m² / 5,0 m²

Optionally, the storage filter may be supplemented by
changeable replacement-insets in different filter qualities.

2nd filter step, HEPA filter:

HEPA H13/H14, filter surface 5,6 m²

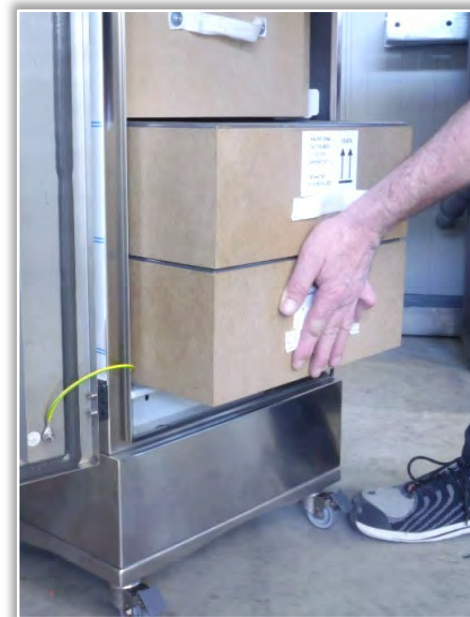
3rd filter step, adsorption filter:

activated carbon filling, 5,8 kg

Available for welding fume extraction: Expanded metal filter
as spark protection.

User-friendly, low contamination filter change. The
cardboard cover and slide-in cardboard supplied with the
replacement filter prevent soiling inside the unit.

For an easy filter change, an additional filter change kit is
available. Consisting of: Filter coverage, disposal bag, dust
mask and disposable gloves.



Options and accessories FEX 3000

EVOTEC

Vacuum hose and connections FEX 3000	
	<p>Vacuum hose PUR black antistatic Contact and surface resistance < 109 Ohm linear meter Ø 50 mm 072-10007</p> <p>End sleeve electrically conductive for PUR-vacuum hose, 1 piece Ø 50 mm 072-10025</p>
	<p>Vacuum hose PP for W3-design linear meter (not suitable for EX) Ø 50 mm 072-10003</p> <p>Fitting for PP-vacuum hose, 1 piece Ø 50 mm 072-10001</p>
	<p>Additional extraction port only for FEX 3000 Panel with 2 openings á Ø 50 mm, sealing, closing plug, for the connection of further vacuum hoses 2 x Ø 50 mm 072-0607</p>
	<p>Closing plug For closing of vacuum openings not needed Ø 50 mm 072-0609</p>

Vacuum hose & exhaust hoses FEX 3000	
	<p>Adapter for connection vacuum hose For installation on top of the device, including hose clamp Ø 50 mm 072-0620 Ø 80 mm 072-0603</p>
	<p>Exhaust air or vacuum hose PUR black antistatic Can be used as exhaust air or vacuum hose, throughput and surface resistance < 10⁹ Ohm linear meter Ø 80 mm 072-10011 Ø 100 mm 072-10035</p>
	<p>Exhaust air hood with exhaust hose connection Exhaust air hood with connection for exhaust hose Ø 80 mm 072-0610 Ø 100 mm 072-0637</p>
	<p>Wire clamps single For vacuum or exhaust air hoses, galvanized steel Ø 50 mm 054-10090 Ø 80 mm 054-10091 Ø 100 mm 054-10092</p>

Options and accessories FEX 3000

EVOTEC

Options FEX 1000/2000

	<p>Spark trap with knitted metal inlay prevents sparks from being sucked in. For integration in pipe system or hose</p> <p>Ø 50 mm 072-0626</p> <p>Ø 80 mm 072-0628</p> <p>Matching metal knitted inlay for</p> <p>Ø 50 mm 072-0626-01</p> <p>Ø 80 mm 072-0628-01</p>
	<p>Bracket for spark trap included in delivery. For variable attachment of the spark trap to beams at all angular degrees.</p>
	<p>Expanded metal filter as a spark arrester to prevent fire hazard, suitable for use in storage filters</p> <p>Piece 074-20058</p>
	<p>Cyclone pre-separator ESD for the pre-separation of larger quantities of fine dust. 28-l dirt container made of stainless steel, cyclone made of ESD plastic, connections Ø 50 mm</p> <p>28 litres container 053-1045</p>

Options FEX 3000

	<p>Triangular socket wrench for FEX 3000 front door</p> <p>Piece 074-20016</p>
	<p>Stand Set For increased stability of the system, e.g. for operation with vacuum arm</p> <p>Set 072-0350</p>
	<p>Power supply cable with angled cold appliance plug, 5 meters</p> <p>with EU Schuko plug 072-0343 open at the end 072-0130</p>

Options and accessories FEX 3000

EVOTEC

Options FEX 3000

	<p>Mating connector for 8-pin female connector for connection to external controllers or devices for remote control, without cable Piece 072-0621</p>
	<p>Gas and particle sensor as supporting monitoring unit for damaged filters or saturated activated carbon Attention: The unit must be ordered together with machine Board Unit 072-0618</p>
	<p>Test aerosol Test spray for functional testing of gas and particle sensors Can 072-0625</p>
	<p>Protective coating in the upper housing area, recommended for the extraction of acidic vapours Attention: To be ordered together with machine FEX 3000 072-0619-02</p>

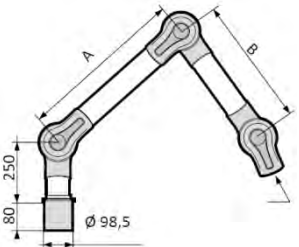
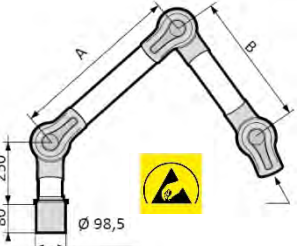
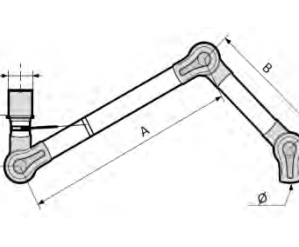
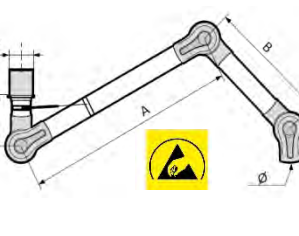
Vacuum arms

	<p>Extraction arms enable spot extraction directly at the point of origin. The self-supporting construction with three stable joints makes it easy to handle and position. Standard version: Aluminium with polypropylene joints. ESD version: for ESD areas (electrostatic discharge, certified according to IEC 61340-5-1). Ideal for use in laboratories, electronics manufacturing, pharmaceutical industry, etc. + Energy saving + Low noise + Low pressure drop</p>
	<p>Vacuum arm for table mounting Includes bracket for plate feed-through Figure: Standard version Ø 50 mm - Range 1,300 mm Option: hood tube and flat hood</p>
	<p>Vacuum arm for ceiling or wall mounting without bracket Figure: ESD/ATEX version Ø 50 mm - Range 1,300 mm Option: hood tube and flat hood Option: small wall bracket</p>

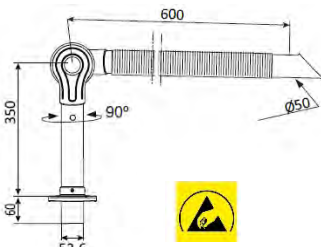
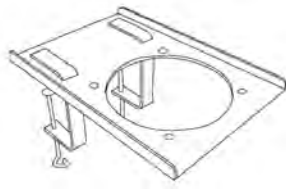
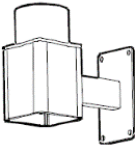
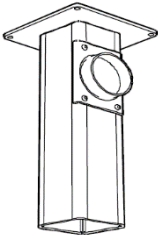
Options and accessories FEX 3000

EVOTEC

Vacuum arms

	<p>Standard vacuum arm for table mounting Including console for panel feed-through</p> <p>Ø 50 mm Length 1.300 mm 072-0400 Length 1.500 mm 072-0401</p> <p>Ø 75 mm Length 1.300 mm 072-0402 Length 1.500 mm 072-0403</p>
	<p>ESD vacuum arm for table mounting Including console for panel feed-through</p> <p>Ø 50 mm Length 1.300 mm 072-0400-ESD Length 1.500 mm 072-0401-ESD</p> <p>Ø 75 mm Length 1.300 mm 072-0402-ESD Length 1.500 mm 072-0403-ESD</p>
	<p>Standard vacuum arm for ceiling or wall mounting, without console</p> <p>Ø 50 mm Length 1.300 mm 072-0404 Length 1.500 mm 072-0405</p> <p>Ø 75 mm Length 1.300 mm 072-0406 Length 1.500 mm 072-0407</p>
	<p>ESD vacuum arm for ceiling or wall mounting, without console</p> <p>Ø 50 mm Length 1.300 mm 072-0404-ESD Length 1.500 mm 072-0405-ESD</p> <p>Ø 75 mm Length 1.300 mm 072-0406-ESD Length 1.500 mm 072-0407-ESD</p>

Vacuum arms and consoles

	<p>Flexible ESD vacuum arm for table mounting Including console for panel feed-through</p> <p>Ø 50 mm Range 600 mm 072-0400-ESD</p>
	<p>Flexible table console Flexible holder for mounting on table tops or shelves. Supplied complete with two screw clamps. Suitable for</p> <p>For 072-0400-ESD: 072-0409-ESD</p> <p>Universal for Ø 50 mm and Ø 75 mm Standard 072-0428 ESD 072-428-ESD</p>
	<p>Wall console Universal console for vacuum arm for wall mounting. Suitable for Ø 50 mm and Ø 75 mm</p> <p>Standard 072-0427 ESD 072-0427-ESD</p>
	<p>Ceiling console The holder also functions as an exhaust air duct. Universally suitable for Ø 50 mm and Ø 75 mm</p> <p>Standard, length 250mm 072-0418 ESD, length 250mm 072-0418-ESD</p> <p>Standard, length 1000mm 072-0421 ESD, length 1000mm 072-0421-ESD</p> <p>→ Other designs/ lengths on request</p>

Options and accessories FEX 3000

EVOTEC

Hoods and nozzles



Flat hood 300 x 200 mm

Especially suitable for gases and vapours. High vacuum efficiency in vertical position to the table surface, including hood tube

Standard Ø 50 mm **072-0414**

ESD Ø 50 mm **072-0414-ESD**

Standard Ø 75 mm **072-0415**

ESD Ø 75 mm **072-0415-ESD**



Vacuum tip, length 300 mm

For smaller, concentrated sources of pollutants; cantilevered vacuum tip for increased vacuum efficiency

Standard Ø 50 mm **072-0410**

ESD Ø 50 mm **072-0410-ESD**

Standard Ø 75 mm **072-0411**

ESD Ø 75 mm **072-0411-ESD**



Flexible vacuum tip, length 600 mm, ESD

High efficiency paired with high flexibility

ESD Ø 50 mm **072-0412**

ESD Ø 75 mm **072-0413**



Round hood

Metal hood Ø 250 mm, including hood tube

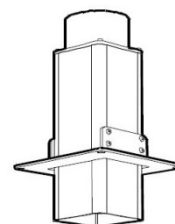
Standard Ø 50 mm **072-0432**

ESD Ø 50 mm **072-0432-ESD**

Standard Ø 75 mm **072-0433**

ESD Ø 75 mm **072-0433-ESD**

Accessories vacuum arm



Telescopic ceiling console

length up to 1000 mm

The holder also functions as an exhaust air duct. Universally suitable for Ø 50 mm and Ø 75 mm

Standard **072-0426**

ESD **072-0426-ESD**



Straight hood tube

Spare part for hood, also suitable as straight inlet nozzle

Standard Ø 50 mm **072-0429**

ESD Ø 50 mm **072-0429-ESD**

Standard Ø 75 mm **072-0430**

ESD Ø 75 mm **072-0430-ESD**



Reduction

Material PP

Standard Ø 100-50 mm **072-0416**

ESD Ø 100-50 mm **072-0416-ESD**

Standard Ø 100-75 mm **072-0417**

ESD Ø 100-75 mm **072-0417-ESD**



Protective guard

For mounting in Ø 75 mm joint

Standard Ø 75 mm **072-0431**

ESD Ø 75 mm **072-0431-ESD**

EVOTEC



Mobile Fume Extraction FEX 4000



INNOVATIVE
EXTRACTION
TECHNOLOGY

Mobile fume extraction FEX 4000

EVOTEC



- ★ Powerful extraction system with high air volume to extract smoke, vapours or airborne dusts
- ★ Reliable filtration due to multi-stage filter system with pneumatic cleaning (compressed air is required)
- ★ EC blowers suitable for continuous operation (24/7) with infinitely variable volume flow control
- ★ Modern control technology with device status display and error messages
- ★ Optional: Connection for on/off remote control

FEX 4000

Versions:



Process adaptable extraction system for the extraction of smoke, vapours or airborne dusts

Permanently operating EC blowers for the extraction of large air volumes to collect suspended dusts.

High quality standards – suitable for **3-shift operation**.

Equipment doors allow easy and low-contamination replacement of the **cartridge filter and cassette filter system**.

Long filter service life due to **automatic pneumatic filter cleaning** (external compressed air required.)

Reliable filtering of suspended particles through the use of a multi-part combination filter system.

Optional: Activated carbon filter to reduce odours in the exhaust air.

Modern control technology enables **infinitely variable regulation** of the extraction performance during operation.

Clear text display for quick **overview of device status**, settings or error sources.

Version Longopac disposal

„Endless“ bag for easy and dust-free disposal of vacuumed material.
20 m foil hose with cable ties for sealing.

**Upgrade optional:
ESD-Version:**

Device completely grounded, ESD powder coating and **ESD rollers**.



Upgrade optional:

EX-protected according to ATEX for safe extraction in zone 22: Equipment as well as its parts are electrostatically conductive.



In delivery included:

Original equipment filter set:
2 cartridge filters

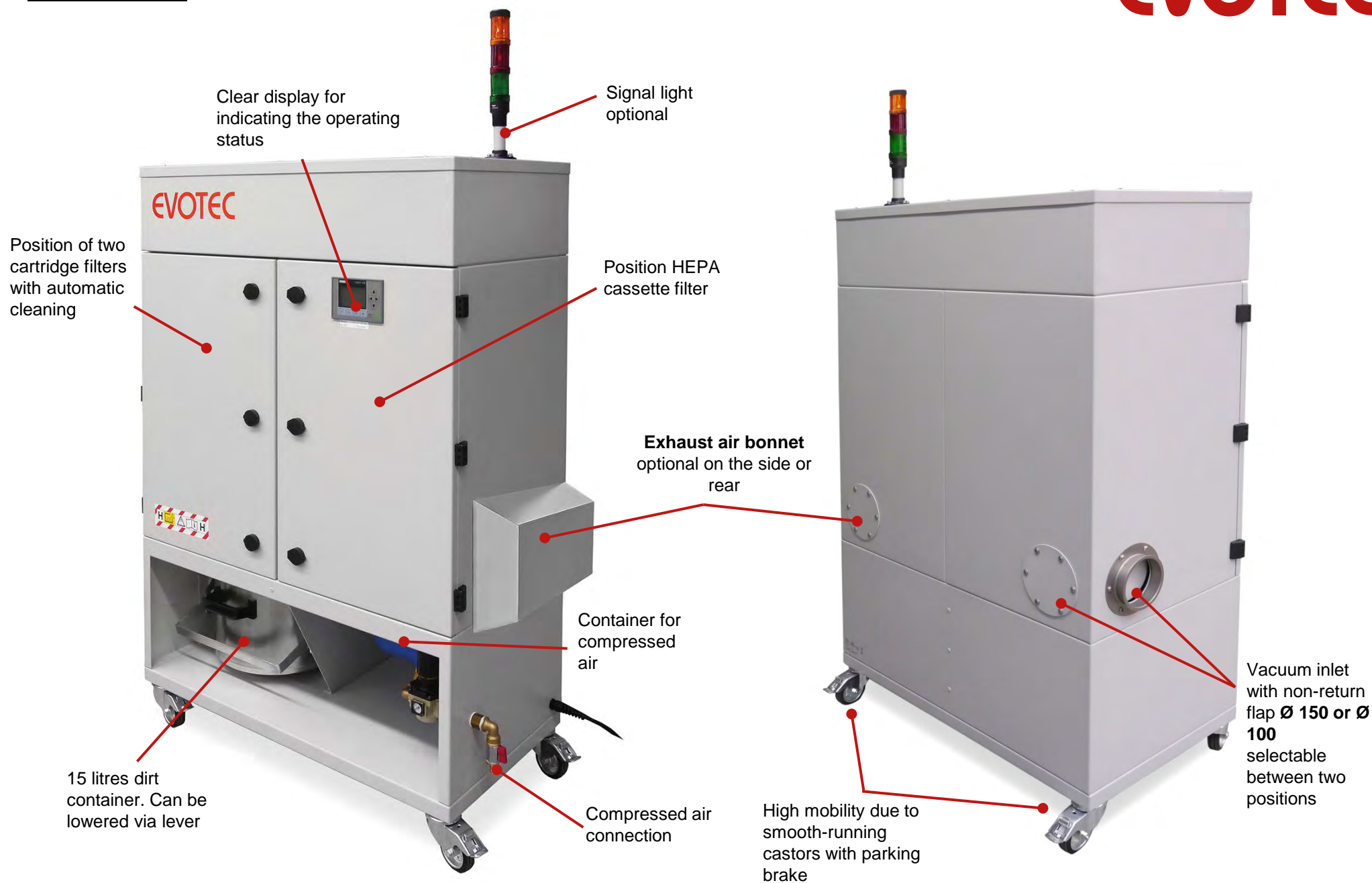


Modell		FEX 4000.1	FEX 4000.2	FEX 4000.3
Voltage at 50/60 Hz.	Volt	230 V – 1 ~ or 400 V – 3 ~ (Neutral conductor is required)	110 V – 1~	100-240 V – 1~ (Multi-range motor)
Engine power	Watt	2 x 1.100 one stage		2 x 1.100 double stage
Max. air flow free blowing at turbine	m³/h	1.000		420
Max. negative pressure	Pa	10.000		23.500
Max. air volume in operating condition approx. *)	m³/h	900		380
Negative pressure in operating condition approx. *)	Pa	9.000		22.500
1st filter stage cartridge filter	m²	8,4		
2nd filter stage HEPA filter H14	m²	5,6		
Optional: 3rd filter stage activated carbon	kg	5,8		
Noise level	dB(A)	74		
Weight	kg	65		
Dimensions L x W x H	mm	465 x 888 x 1323		
Vacuum and exhaust air connections	Ø mm	150		
Protection class		IP 54		
Disposal	Item	15 l dirt container or Longopac system		
Version dirt container 15 l	I.No.	710-4010	710-4020	710-4030
Version Longopac disposal	I.No.	710-4040	710-4050	710-4060
Upgrade EX-protected	I.No.	054-8042		
Upgrade ESD-version	I.No.	054-8044		

*) Operating data including standard filter equipment in factory condition without further options such as activated carbon filter, spark trap, piping, etc. The operating point varies due to the power setting and pipe design (Ø, length) as well as measurement at the suction point.

FEX 4000

EVOTEC



FEX 4000

Control technology:

Modern control technology with industry standards facilitates the adaptation of the extraction system to the customers peripheral equipment.

- Device parameters are individually adaptable
- Vacuum power is infinitely variable during operation
- Automatic filter cleaning (operational cleaning and post-cleaning)
- Display of device status and warnings
 - Monitoring of filter status
 - Notification of device malfunctions, e.g. insufficient vacuum pressure

Options:

- Signal malfunctions/warnings via signal lights
- Keypad with large text display
- Monitoring of filling level of dirt container
- Connection for ON/OFF remote control and reporting of operating states to external controllers



FEX 4000

EVOTEC

Filter technology:

Independently interchangeable filters:

1st filter stage

- Two cartridge filters with 8,4 m² filter area
- Pneumatic filter cleaning (external compressed air is required)

2nd filter stage

- HEPA filter H13/H14, filter area 5,6 m² in MDF frame as a storage filter

Optional

- Adsorption filter with activated carbon filling 5,8 kg (Pressure difference increase is around 10 - 15 %)

High-quality filter materials guarantee **perfect filtration** – so that the exhaust air is also safely cleaned of dusts and substances.

Due to the easy accessibility a filter change is user-friendly and low contaminated.

Disposal:

- **Dirt container:** Easy emptying of the material via 2 litres dirt container with lever for lowering. Optionally, the filling level of the container can be monitored.
- **Longopac disposal system:** Particularly easy low-dust disposal of the material by „endless“ bag. 20 m foil hose with cable ties for sealing.



Filters and options FEX 4000

EVOTEC

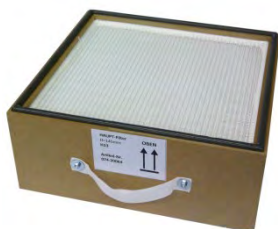
Cartridge filters and storage filters FEX 4000



Filter cartridge – Dust class M
for cartridge filter system, polyester fleece alu-coated, cylindrical, electrically conductive
Ø 200 mm, round thread Ø 100 mm, L 50 mm
L 500 mm / 4,2 m² **054-20182**
Only with filter chamber Ø 150 mm (054-8010):
L 600 mm / 5,0 m² **054-20178**



PTFE filter cartridge - Dust class M
for cartridge filter system polyester fleece with PTFE membrane, cylindrically electrically conductive.
Ø 200 mm, round thread Ø 100 mm, L 50 mm
L 500 mm / 4,2 m² **054-20183**
Only with filter chamber Ø 150 mm (054-8010):
L 600 mm / 5,0 m² **054-20179**



HEPA filter in MDF frame
foamed gasket, glass fibre filter material, 5,6 m² filter area, height 146 mm
Front handles
Class H14 **074-20064-02**

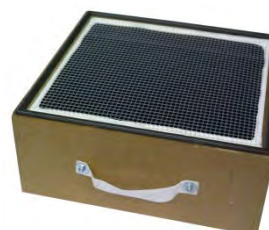


Distance empty frame
Arrangement underneath H14 filter cassette (for ideal performance volume flow) MDF frame with foamed gasket, front handles
Height 146 mm **074-20065-02**

Storage filters and control options FEX 4000



Combination filter cassette in MDF frame
foamed gasket, H14 glass fibre filter material, 2,8 m² filter area and activated carbon fill, approx. 3 kg, height 146 mm
Front handles
(Pressure difference increase is around 8 – 10 %)
H14/AK **074-20087-02**



Adsorption filter AK-filling
MDF frame with foamed gasket, activated carbon fill approx. 6 kg, height 146 mm
(Pressure difference increase is around 10 – 15 %)
Activated carbon **074-20063-02**



Signal light, 24 V
For display of operating status, warning/fault message
054-8046



Multipole plug connection
Disconnectable plug connection as communication interface
054-8045

Options and accessories FEX 4000

EVOTEC

Device connection options



Spark trap with knitted metal inlay
Prevents sparks from being sucked in. Easy handling due to clamping rings.

Ø 150 mm **072-0630**
Ø 200 mm **072-0638**
Ø 250 mm **072-0639**



Matching metal knitted inlay
For spark traps

Linear meter **072-10032**
Ready wound:
Ø 150 mm **072-0630-01**
Ø 200 mm **072-0638-01**
Ø 250 mm **072-0639-01**



Spark trap
Prevents sparks from being sucked into the vacuum cleaner. The air deflection causes the sparks to collide with the copper sheets and extinguish. The spark trap can be cleaned via removable viewing plate.

Connections Ø 150 mm **053-4001**

Hose



Exhaust air vacuum hose PUR
Can be used as exhaust air, vacuum or connecting hose, chemical-resistant and food-grade electrostatically conductive when spiral is grounded. (Illustration: optionally with wire clamp and hose connection piece)

Linear meters:
Ø 150 mm **052-0326**
Ø 200 mm **052-0330**
Further versions and fittings can be found in the piping catalogue.



Exhaust air or vacuum hose, PUR antistatic black

Can be used a exhaust air, vacuum or connecting hose, flow and surface resistance < 10⁹ Ohm

Linear meters:
Ø 150 mm **072-10037**
Ø 200 mm **072-10038**
Further versions and fittings can be found in the piping catalogue.

Options and accessories FEX 4000

EVOTEC

Vacuum arm for FEX 4000



Hanging vacuum arm, incl. vacuum hood for FEX 4000

Including wall bracket/suspension for mounting of the extraction arm.

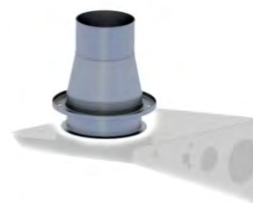
Aluminium version

Ø 125 mm, length 2,0 m	054-90352
Ø 125 mm, length 3,0 m	054-90362
Ø 160 mm, length 2,0 m	054-90353
Ø 160 mm, length 3,0 m	054-90363

ATEX version VA (illustration)

Ø 125 mm, length 2,0 m	054-90350
Ø 125 mm, length 3,0 m	054-90360
Ø 160 mm, length 2,0 m	054-90351
Ø 160 mm, length 3,0 m	054-90361

Options



Wall bracket/connecting flange

with connection of connecting hose, extraction to vacuum arm.

Ø 125 mm, Aluminium	054-90336
Ø 160 mm, Aluminium	054-90337

Ø 125 mm, ATEX VA	054-90334
Ø 160 mm, ATEX VA	054-90335



Acid protection coating

Protects against erosion caused by aggressive vapours, such as those produced by PTFE laser cutting.

Auf Anfrage



Multipole plug connection

Disconnectable plug connection as a communication interface.

054-8045

Configuration

EVOTEC

FEX 4000 Front view / right

→ Please mark out what you do not want!

Option:

Signal Tower 054-8046 (surcharge)

Option:

EX-Protection according to ATEX
(Zone 22)
054-8042 (surcharge)



Standard:

For 710-4010 / 710-4020 / 710-4030:
Dirt Container 20l
For 710-4040 / 710-4050 / 710-4060:
Longopac Disposal



Standard:

Exhaust air bonnet on the side (right)

Option:

Exhaust air connection
Ø 150 235-10378
(Price neutral)



Option:

Multipole industrial connector
054-8045 (extra charge)



Approved:

Date, Customer Signature

Configuration

EVOTEC

FEX 4000

Rear view / left

→ Please mark out what you do not want!

Option:

Exhaust air connection Ø 150mm
Rear (Price neutral)

Option:

Rear exhaust bonnet (price neutral)

Option:

Suction connection Ø 150mm Rear (price neutral)

Option:

Suction connection Ø 100mm Rear
053-3100 (extra charge)

Option:

ESD version 054-8044 (Surcharge)



Standard:

Suction connection Ø 150mm left

Option:

Suction connection Ø 100mm left
3100 (Surcharge)



Approved :

Date, Customer Signature

EVOTEC



Mobile Fume Extraction FEX 5000



INNOVATIVE
EXTRACTION
TECHNOLOGY

Mobile fume extraction FEX 5000

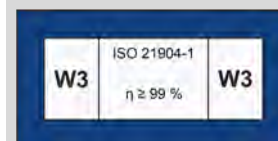
EVOTEC



- ★ Powerful extraction system to extract smoke, vapours or airborne dusts
- ★ Turbine suitable for continuous run (24/7), with large air volume
- ★ Reliable filtration due to graduated combination filter system
- ★ Optional: Connection for ON/OFF remote control
- ★ Optional: EX-protected according to ATEX or ESD version
- ★ Optional: W3 version in recirculation or exhaust air mode
- ★ Storage filter
- ★ Special activated carbon version for extracting gases and odours

FEX 5000

Versions:



Powerful extraction system to extract smoke vapours or airborne dusts.

High quality standards – suitable for **3-shift operation**.

Comfortable filter change due to **2 cassette system** with individually removable filter cassettes.

Reliable filtering of suspended particles through the use of a graduated combination filter system.

For the extraction of laser smoke, welding and soldering fumes, cutting fumes as well as various vapours and solvents.

Permanently operational turbine for the extraction of large air volumes to collect suspended dust.

Extraction with up to two hoses or extraction arm, hose connection at the rear, top or sides.

Note: The design of the capture elements have a direct effect on air performance and negative pressure.

Upgrade optional: ESD version



Device completely grounded, ESD powder coating and ESD rollers.

Upgrade optional: EX protected according to ATEX



For safe extraction in zone 22: Equipment and parts of equipment electrostatically conductive.

Upgrade optional W3 compliant version (welding fumes):



For exhaust air operation including exhaust air connection or for recirculation operation including displacement outlet.

In delivery included:

Initial equipment set of filters according to individual configuration.

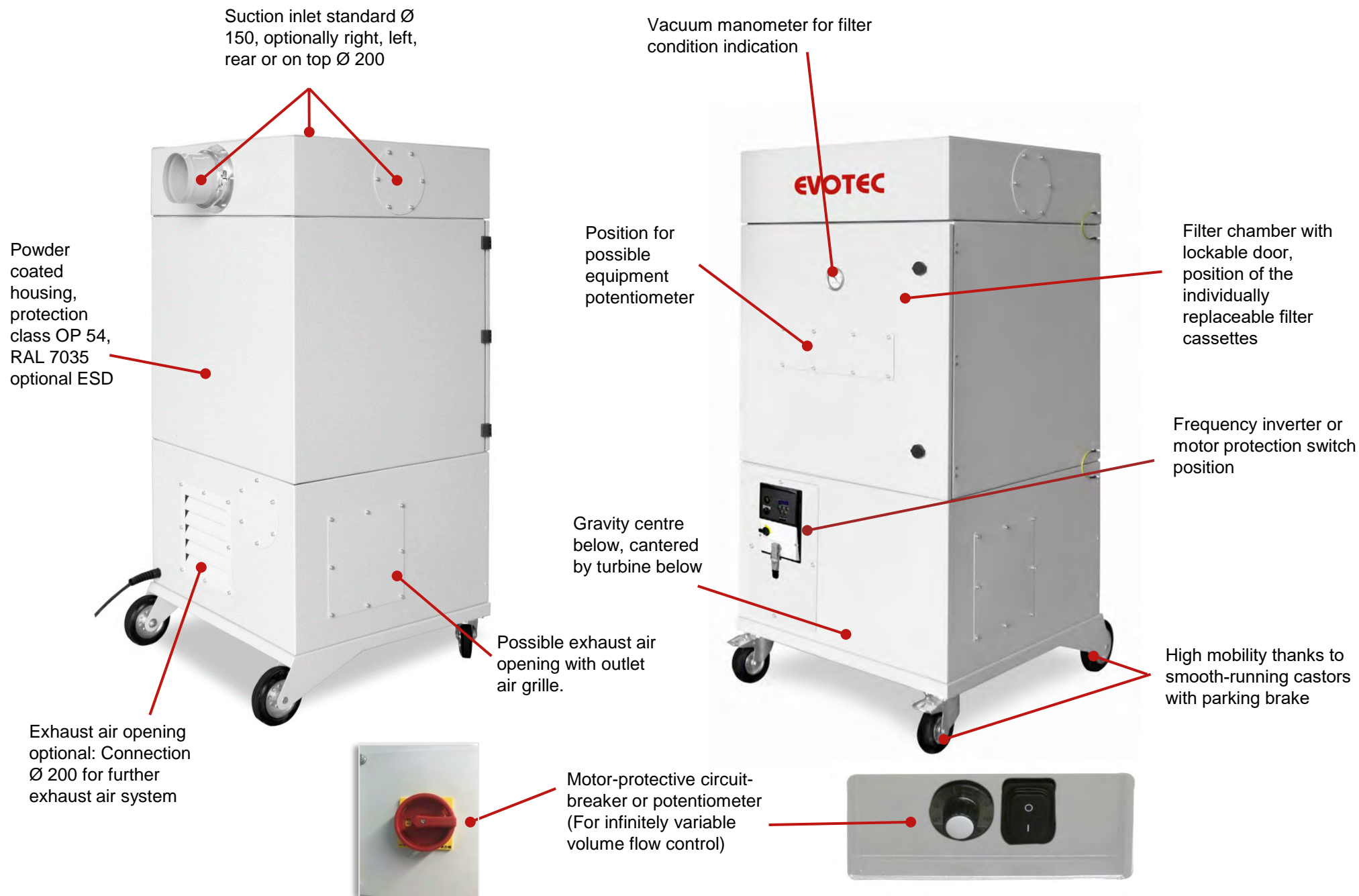
Further suitable accessories such as hoses, extraction arms and replacement filters can be found in the accessories list.

*) **Operating data** including standard filter equipment in operating conditions without further options such as activated carbon filter, spark trap, piping, etc. The operating point varies due to the power setting and pipe design (Ø, length) as well as measurement at the suction point.

Model	Volt	FEX5000.3	FEX5000.4
Voltage at 50/60 Hz.		400	
Engine power	Watt	1.500	2.200
Max. airflow free blowing at turbine	m³/h	2.200	2.500
Negative pressure max.	Pa	3.500	4.000
Air volume in operating condition approx. *)	m³/h	1.900	2.200
Negative pressure in operating condition approx. *)	Pa	3.300	3.800
1st filter stage	m²	19 m² storage filter E10	
2nd filter stage	m²	20 m² HEPA filter H14	
Speed control included		No	
Dimensions L x W x H	mm	780 x 970 x 1590	
Weight (incl. filter)	kg	240	
Vacuum connection	mm	Ø 150 position optional (optional Ø 200 on top)	
Exhaust air		Outlet grille (optional exhaust air connection)	
Noise level	dB(A)	75 (during exhaust air operation)	
Protection class		IP 54 (with vent hood)	
Operating temperature	°C	5 - 40	
Operating humidity	%	10 – 90 % (non condensing)	
Standard version	I.-No.	710-2012	710-2013
Upgrade: EX-version	I.-No.	054-8042	
Upgrade: ESD-version	I.-No.	054-8044	
Upgrade: Frequency inverter	I.-No.	053-4008	053-4009
Upgrade: W3-version exhaust air	I.-No.	054-4012	
Upgrade: W3-version recirculation air mode	I.-No.	054-4013	

FEX 5000

EVOTEC



FEX 5000 W3 Upgrade

EVOTEC

Exhaust air mode

Recirculation air mode

Signal lamp:
*Signals high
filter load or
motor faults*

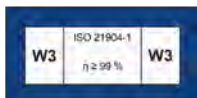
Vacuum
connection

Differential
pressure
transmitter:
*For analysing
filter load and
motor function.*

Powder-coated
housing, protection
class
IP 54,
RAL 7035

Exhaust air
connection

Displacement diffuser
for reduced discharge
velocity



W3-compliant system for
the extraction of welding
fumes

FEX 5000 for the extraction of gases and odours

EVOTEC

Special activated carbon version

Configuration example: Motor can be used in zones 1 and 2, without additional electronic components. Connection cable end open for connection to the system by the customer. For extracting and filtering gases.

Please contact us about your application.



Easy filter-handling FEX 5000

Best filter quality for perfect filtration

High-quality filter materials guarantee **perfect filtration** - so that the exhaust air is also safely cleaned of dusts and substances.

Each filter is **individually tested** and certificated.

HEPA filters and adsorption filters which are installed in a stable MDF box with seal are completely incinerable.

Easy filter replacement due to **separable version**. Can be combined to suit the application and disposed separately depending on the load.

All cassettes with a box height of 292 mm can be combined with each other. **Note:** *Activated carbon cassettes have only half the height (145 mm) due to their weight, therefore 2 pieces are needed.*

Filter mats or expanded metal filters can also be inserted in filter boxes with a free internal height.



2 stage combination filter system



Lifting device = separates the filters for easy handling during filter replacement and prevents damage to the filter seals.

Filters and accessories FEX 5000



Storage filters and options FEX 5000



HEPA filter in MDF frame FEX 5000
foamed gasket, glass fibre filter material, 19,5 m² filter area, height 292 mm, handles, free internal height= 60 mm

Class E10 **074-20103**
Class H14 **074-20104**



HEPA filter in metal frame FEX 5000
Galvanized steel frame with foamed gasket, glass fibre filter material, 19,5 m² filter surface, height 292 mm, free internal height= 60 mm

Class E10 **074-20105**
Class H14 **074-20106**



Storage filter in fan format FEX 5000
In MDF frame, foamed gasket, height 292 mm, **no** free interior height

Class F7 **074-20107**



G4 Fleece mat FEX 5000
550 x 550 mm, height 22 mm, can be used as an additional pre-filter in filter cassettes with free internal height.

3 pieces **074-20110**

Storage filters and options FEX 5000



Adsorption filter AK in fan format FEX 5000
8,5 m² synthetic filter with activated carbon in MDF frame, foamed gasket, height 292 mm, **no** free internal height.

Activated carbon foam **074-20108**



Adsorption filter AK-filling FEX 5000
MDF frame with foamed gasket, activated charcoal filling 21 kg, perforated plate as handle protection, height 292 mm

Activated carbon 7 mm **074-20088-70**



Adsorption filter AK-filling FEX 5000
Metal frame with foamed seal, activated carbon filling 21 kg, perforated plate as handle protection, height 292 mm

Activated carbon 4 mm **074-20117-40**



DDMU Differential pressure transducer
For negative pressure and filter status monitoring.

054-60486

Available as standard in W3 version

Options and accessories FEX 5000

EVOTEC

Device connection options



Spark trap with knitted metal inlay
Prevents sparks from being sucked in. Easy handling due to clamping rings.

Ø 150 mm **072-0630**
Ø 200 mm **072-0638**
Ø 250 mm **072-0639**



Matching metal knitted inlay
For spark traps

Linear meter **072-10032**
Ready wound:
Ø 150 mm **072-0630-01**
Ø 200 mm **072-0638-01**
Ø 250 mm **072-0639-01**



Spark trap
Prevents sparks from being sucked into the vacuum cleaner. The air deflection causes the sparks to collide with the copper sheets and extinguish. The spark trap can be cleaned via removable viewing plate.

Connections Ø 150 mm **053-4001**



Expanded metal filter FEX 5000

As a spark trap arrester to prevent fire hazards, 545 x 545 mm, height 15 mm
Fits into filters with free inner height.

1 piece **074-20109**

Available as standard in W3 version

Hose



Exhaust air suction hose PUR

Can be used as exhaust air, suction or connecting hose, chemical-resistant and food-grade electrostatically conductive when spiral is grounded. (Illustration: optionally with wire clamp and hose connection piece)

Linear meters:
Ø 150 mm **052-0326**
Ø 200 mm **052-0330**

Further versions and fittings can be found in the piping catalogue.



Exhaust air or suction hose, PUR antistatic black

Can be used as exhaust air, suction or connecting hose, flow and surface resistance < 10⁹ Ohm

Linear meters:
Ø 150 mm **072-10037**
Ø 200 mm **072-10038**

Further versions and fittings can be found in the piping catalogue.



Suction connection FEX 5000 on top Ø 200 mm

Complete set suction connection Ø 200 mm on top of the case cover FEX 5000, consisting of: powder-coated connecting pieces with hose connection Ø 200 mm

053-3097






Exhaust air connection FEX 5000

Complete set exhaust air connection FEX 5000 Ø 200 mm with 90 ° arc Ø 200 mm, with powder-coated hose connection **053-3098**

For exhaust air ducting when extracting particularly toxic gases, please contact us.

Options and accessories FEX 5000

EVOTEC

Suction arms for FEX 5000	
	<p>Vertical suction arm, incl. suction hood FEX 5000 Includes bracket for plate feed-through</p> <p>Aluminium version (illustration) Ø 125 mm, length 2,0 m 054-90332 Ø 125 mm, length 3,0 m 054-90342 Ø 160 mm, length 2,0 m 054-90333 Ø 160 mm, length 3,0 m 054-90343</p> <p>ATEX version VA  Ø 125 mm, length 2,0 m 054-90330 Ø 125 mm, length 3,0 m 054-90340 Ø 160 mm, length 2,0 m 054-90331 Ø 160 mm, length 3,0 m 054-90341</p>
	<p>Hanging suction arm, incl. suction hood for FEX 5000 Including wall bracket/suspension for mounting of the extraction arm.</p> <p>Aluminium version Ø 125 mm, length 2,0 m 054-90352 Ø 125 mm, length 3,0 m 054-90362 Ø 160 mm, length 2,0 m 054-90353 Ø 160 mm, length 3,0 m 054-90363</p> <p>ATEX version VA (illustration)  Ø 125 mm, length 2,0 m 054-90350 Ø 125 mm, length 3,0 m 054-90360 Ø 160 mm, length 2,0 m 054-90351 Ø 160 mm, length 3,0 m 054-90361</p>

Options	
	<p>Wall bracket/connecting flange with connection of connecting hose, extraction to suction arm.</p> <p>Ø 125 mm, Aluminium 054-90336 Ø 160 mm, Aluminium 054-90337</p> <p>Ø 125 mm, ATEX VA 054-90334 Ø 160 mm, ATEX VA 054-90335</p>
	<p>Acid protection coating</p> <p>Protects against erosion caused by aggressive vapours, such as those produced by PTFE laser cutting.</p>
	<p>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, changeover switch = 0/Automatic/Manual</p> <p>for FEX 5000.1 and .2 054-6934 for FEX 5000.3 and .4 054-6930</p>
	<p>Multipole plug connection Disconnectable plug connection as a communication interface.</p> <p>054-8045</p>

Options and accessories FEX 5000

EVOTEC

Device options



Frequency inverter

For FEX 5000.3: **053-4008**

Bor FEX 5000.4: **053-4009**



Displacement diffuser

Can be used with recirculation air mode to reduce the discharge velocity.

To be specified when ordering the appliance. Can only be used with elbow connection piece (053-3097).

Available as standard in W3 recirculation air mode.

Configuration

EVOTEC

FEX 5000.3 + .4

Front view / right

710-2012

710-2013

→ Please mark with a cross what you do not want!

Option:

Suction connection Ø 200 mm top
053-3097 or 053-3097VA, or
suction connection Ø 150 mm
on top 053-4043 (extra charge)



Option:

Protective coating inside the unit
(extra charge)

Filter allocation:

G4	<input type="checkbox"/>
E10	<input type="checkbox"/>
H14	<input type="checkbox"/>
AK	<input type="checkbox"/>

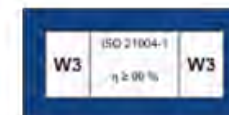
Option:

Upgrade EX-protection
054-8042 (extra charge)



Option:

W3 Version exhaust air mode
054-4012 or recirculation air mode
054-4013 (extra charge)



Option:

ESD-version 054-8044 (extra charge)



Option:

Suction connection Ø 150mm right
(Price neutral)

Standard:

Main switch right
(not applicable with option FU)



Option:

Frequency converter right
(extra charge)
FEX 5000.3: 053-4008
FEX 5000.4: 053-4009



Released:

Date, signature customer

FEX 5000.3 + .4

Rear view / left

→ Please mark with a cross what you do not want!

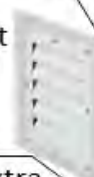
Standard:

Suction connection Ø 150mm rear



Standard:

Recirculation / air outlet grill
With option FU also possible on the side. Not applicable with exhaust air connection



Option:

Exhaust air connection Ø 200mm (extra charge) 053-3098

ATTENTION:

Exhaust air device not connected has negative effect on the sound emissions.

Exhaust air device is included in W3-Upgrade exhaust air version.

Released:

Date, signature customer

Option:

Suction connection Ø 150mm left
(Price neutral)



Option:

Main switch front
(Not applicable for FU, price-neutral)



Option:

Frequency converter front



Option:

Exhaust air direct connection Ø 200mm
(surcharge) 053-3099

ATTENTION: exhaust air device not connected may increase the sound emissions to **>80 dB!**



EVOTEC



Dust Extractor EP 2701/2702/2703



INNOVATIVE
EXTRACTION
TECHNOLOGY

Industrial dust extractor EP 2701 – EP 2702 – EP 2703

EVOTEC



- ★ Robust equipment with V2A stainless steel (1.4301)
- ★ Strong vacuum motors, suitable for permanent operation
- ★ M-Filter cartridges with automatic filter cleaning
- ★ Disposal in „endless“ plastic bag (ESD) or dirt container
- ★ Vacuum connection Ø 80 mm or 150 mm
- ★ Optional: Cartridge filter H13/14
- ★ Optional: ATEX in zone 22
- ★ Optional: ESD version
- ★ With 1, 2 or 3 motors

EP 2701

EP 2702

EP 2703

Versions:



Detail explanation

Example: EP 2702-M3PF-H-D150-LPP

Exhaust air vent Ø 150 mm provides the opportunity of connection to a pursuing exhaust air system.

Vacuum connection Ø 80 mm or Ø 150 mm for a secure connection of the hose or a pipe system.

ATEX version (Upgrade)
completely conductive for usage in zone 22.

ESD version (Upgrade)
- Device completely grounded
- ESD powder coating
- ESD feet, castors

Configure your individual plant from following assemblies:

1. Engine power
2. Filter components
3. Filter chamber with vacuum connection
4. Disposal system
5. Upgrades



Example: EP 2702-M3PF-H-D80-60L

Position of exhaust air vent Ø 150 mm

Position of magnetic valves for filter cleaning

Filter chamber VA with various filter systems

Pneumatic filter cleaning via SPS control system

Longopac disposal system (Endless bag)

Adjustable feet

1, 2 or 3 powerful vacuum motors for permanent operation

Position H-Filter (optional)

Vacuum connection Ø 80 mm or Ø 150 mm (Variable through reduction)

Robust chassis, powder-coated steel, RAL 7035, optional ESD

Hopper with: Heavy duty flap or pneumatically operated discharge for very light dusts



When used in ATEX Zone 22, no ignition sources may be sucked in

Powerful central extraction plant with high airflow rate to collect and filter dry and hazardous dusts.

Specially developed for the reliable extraction and filtration of dusts which occur during miscellaneous work processes.

Critical fine dusts are reliably aspirated and filtered.

Pneumatic filter cleaning via SPS controller.

Volume flow stepless adjustable.

1st filter stage: Dust class M

M-cartridge filter or
M-pocket filter

2nd filter stage: Dust class H

Absolute cartridge filter (H13/14)
(Upgrade)

Filter differential pressure measurement for filter monitoring included.

Optional **dirt container** or **Longopac disposal system**:

„Endless“ plastic bag for easy and contamination-free disposal of the material.

Longopac hopper with:

Heavy duty flap or

pneumatically operated discharge for very light dusts.

ASSEMBLIES	EP 2701	EP 2702	EP 2703
1. Engine power (is to be selected from)	1 x 1.100 W	2 x 1.100 W	3 x 1.100 W
Voltage at 50/60 Hz:	110 V – 1 ~ or 230 V – 1 ~ or 400 V – 3 ~ (N-conductor required)		
Max. airflow rate at turbine	450 m³/h	910 m³/h	1.360 m³/h
Max. negative pressure	10.000 Pa		
Air flow in operating condition approx. *)	440 m³/h	900 m³/h	1.350 m³/h
Negative pressure in operating condition approx. *)	9.500 Pa		
Protection class	IP 54		
Noise level	72 dB(A)	74 dB(A)	74 dB(A)
Dimensions L x W x H **)	90 x 72 x 140-230 cm		
Weight	124	127	130
Item-No.:	054-8001	054-8002	054-8003
2. Filter unit dust class M (to be added)			
„M“ – 3 cartridges á 4,2 m² (12,6 m²)	-M3PF	054-8004	(3 x M-filter cartridge á 4,2 m²)
„M“ – 1 cartridge (10,0 m²)	-M1PF	054-8005	(1 x M-filter cartridge 10,0 m²)
„M“ – Pocket filter (4,1 m²)	-MTF	054-8006	(Pocket filter 4,1 m²)
3. Filter chamber vacuum connection (to be added)			
Vacuum inlet Ø 80 mm	-D80	054-8009	-D80 054-8009
Vacuum inlet Ø 150 mm			-D150 054-8010
4. Disposal system (to be added)			
Longopac endless bag	-LPS	054-8011	(Unit with heavy duty lid)
Longopac endless bag	-LPP	054-8015	(Unit with pneumatic actuated output)
60 l dirt container	-60L	054-8012	(60 l dirt container)
100 l dirt container	-100L	054-8013	(100 l dirt container)
Hopper with universal connection	-TU	054-8014	(Hopper with universal connection)
UPGRADES (optional)			
Dust class „H“-filter cartridge, 4,3 m²	-H	054-8007	(H-filter cartridge 4,3 m²)
EX protection acc. To ATEX Zone 22	-EX	054-8042	(EX version ATEX zone 22)
ESD version	-ESD	054-8044	(ESD version)

*) **Operating data** including standard filter equipment in factory condition without further options such as spark trap, pipelines or H upgrade, etc..

The operating point varies due to the power setting and pipe design (Ø, length) as well as measurement at the suction point.

**) Regarded to the standard version, varying according to equipment.

EP 2701 to EP 2703

Control technology:

Modern control technology with industry standards facilitates the adaptation of the extraction system to the customer's peripherals.

- Device parameters individually adaptable
- Vacuum power infinitely variable during operation
- Automatic filter cleaning (operational cleaning and post-cleaning)
- Control with industry standards, good connection to the customers system. (Optional)
- Display of device status and warnings
 - Monitoring filter status
 - Device malfunctions, e.g. insufficient vacuum pressure

Options:

- Signal malfunctions/warnings via signal light
- Keypad with large text display
- Monitoring of dirt container level
- Connection for ON/OFF remote control and indication of operating states to external controllers via potential-free contact
- Control of customer-side exhaust air damper (e.g. Belimo)
- Connection of PreCoat dosing unit
- Operation hours counter



Easy to operate control system

Optional with text display



Filter state monitoring (DDMU)

Filters and options EP 2701 to EP 2703



Filter elements for EP 2701 to EP 2703

	<p>Filter cartridge – Dust class M for 3 cartridges filter system, polyester fleece, aluminium coated, cylindrical, electrically conductive Ø 200 mm, round thread Ø 100 mm, L 50 mm L 500 mm / 4,2 m² 054-20182 Only with vacuum conn. Ø 150 mm (054-8010) L 600 mm / 5,0 m² 054-20178</p>
	<p>PTFE-Filter cartridge – Dust class M for 3 cartridges filter system, polyester fleece PTFE coated, cylindrical, electrically conductive Ø 200 mm, round thread Ø 100 mm, L 50 mm L 500 mm / 4,2 m² 054-20183 Only with vacuum conn. Ø 150 mm (054-8010) L 600 mm / 5,0 m² 054-20179</p>
	<p>Filter cartridge – Dust class M for 1 cartridge filter system, polyester fleece, aluminium coated, cylindrical, electrically conductive Length: 600 mm, Ø 328 mm 10,0 m² 054-20110</p>
	<p>PTFE-Filter cartridge – Dust class M for a cartridge filter system, polyester fleece PTFE coated, cylindrical, electrically conductive, installation on the clean gas side Length: 600 mm, Ø 328 mm, 10,0 m² 054-20146</p>

Filters and options for EP 2701 to EP 2703

	<p>Pocket filter – Dust class M 4,1 m² filter area, 20 pockets Material: PUR-Coating NOVATES 4,1 m² 054-20108</p>
	<p>Dust class H (H14) – Absolut cartridge filter Glass fibre, support grid on both sides, Ø 500 mm for further purchase for H-Upgrade 4,3 m² 054-20033</p>
	<p>Vibratory motor for filter cleaning Supports filter cleaning by additional mechanical vibration, ideal for critical dusts that change their aggregate state. (Incl. extension module control) 054-8016</p>
	<p>DDMU Differential pressure transducer For monitoring negative pressure and filter states. 054-60486</p>

Accessories and options EP 2701 to EP 2703

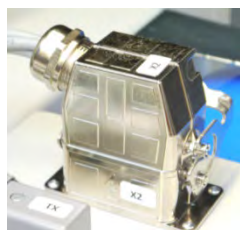


Control technology EP 2701 to EP 2703



Signal indicator tower, 24 V
For optical reproduction of warning and fault messages.

054-8046



10-pole plug connection
Additional seperable plug connection as a communication interface

053-0067



16-pole plug connection
Additional seperable plug connection as a communication interface

053-0085



Text display control
Text display to control the monitor of operating states and control the system

054-60523

Disposal options EP 2701 to EP 2703



Plastic disposal bag, antistatic ESD
VE = 10 pieces



for dust-free disposal of dust classes M and H.
Extremely stable and „nail test“-tested. Perfect fit due round bottom design – by-pass not necessary!

Suitable for:
60-l container = **235-1021**
100-l container = **235-1031**



Longopac disposal

„Endless“ bag for simple and dust-free disposal of material. 20 meter film hose with cable ties for sealing.

VE = 4 units
à 20 metres

Strong ESD quality
Strength: 68 mic. **235-1050**

Strong quality (not ESD)
Strength: 68 mic. **235-1060**

Options EP 2701 – EP 2702 – EP 2703

Dirt container options EP 2701 to EP 2703



Spare or replaceable container Ø 500

enables simple and quick disposal outside of site, with swivel castors

60 litres **054-3210**

100 litres **054-3220**

Matching lid with handles

Ø 500 mm **054-20090**



Seperating insert for dirt container

Avoids hovering of very light suction matter, incl. earthing cable.

Suitable for dirt container Ø 500 mm.

für 60-l container **054-30121**

für 100-l container **054-30122**



Level monitoring for dirt container

Capacitive sensor monitors the level of the dirt container. The evaluation takes place via SPS and must be adapted to a customer-specific application.

054-8040



Remote ON/OFF via radio

With hand transmitter and receiver, works with a range up to 350 m. If not in combination with frequency inverter a switch box is required.

Without switch box **054-6933**

With switch box **054-6932**

Hand transmitter **054-60322**

EVOTEC



Central Extraction System EP 2815-2822



INNOVATIVE
EXTRACTION
TECHNOLOGY

Central extraction system EP 2815 – EP 2822

EVOTEC



- ★ For extraction of free-flowing, dry dusts and smoke during welding, grinding, polishing and floating dust extraction.
- ★ Powerful medium-pressure turbine suitable for continuous operation (24/7), large air volume
- ★ Frequency converter for volume flow control
- ★ M-filter cartridges with automatic compressed air cleaning
- ★ PreCoat as filter aid (optional)
- ★ H-cassette filter H13/14 (optional)
- ★ ESD version or EX protected version according to ATEX zone 22 (optional)

EP 2815
EP 2815-100
EP 2822

Versions:



Powerful stationary extraction system with high air volume to collect and filter dry and hazardous dusts.

Ideal for extraction of free-flowing dry dusts and smoke during welding, grinding, polishing, cutting metals or plastics or at transfer stations.

High quality standards – maintenance-free **energy efficient IE3** medium pressure turbine suitable for **3-shift operation**. Ideal for extraction of large air volumes to collect suspended dust – **e.g. resulted from laser cutting**.

Comfortable lowering of the 35 l dirt container for easy disposal of the material.

Modern cartridge filter system: Resistant polyester filters with large filter area in **dust class M**. Including monitoring and display of filter condition on control side.

Automatic time-controlled cleaning of the cartridge filters by compressed air (external compressed air connection is required) Integrated impact separator for the pre-separation of coarse material.

Upgrade EX protection: Device can be fully grounded as a preventive protective measure for safe usage in accordance with ATEX in zone 22.

Optional additional protective measures, e.g. relief valve or rupture disc available on request.

Upgrade ESD version

- completely grounded
- ESD powder coated
- Feet/castors ESD

Energy efficient control that can be adapted to customer processes.

Speed control

The power of the unit is set to a fixed speed (Hz. display)

Or optional:

Vacuum pressure control (PID)

The required air volume is determined by sensors in the system and the frequency inverter controls automatically to the appropriate negative pressure (mbar display).

Assemble your system individually from the two assemblies:

1. Motor and control components

2. Filter unit and disposal system

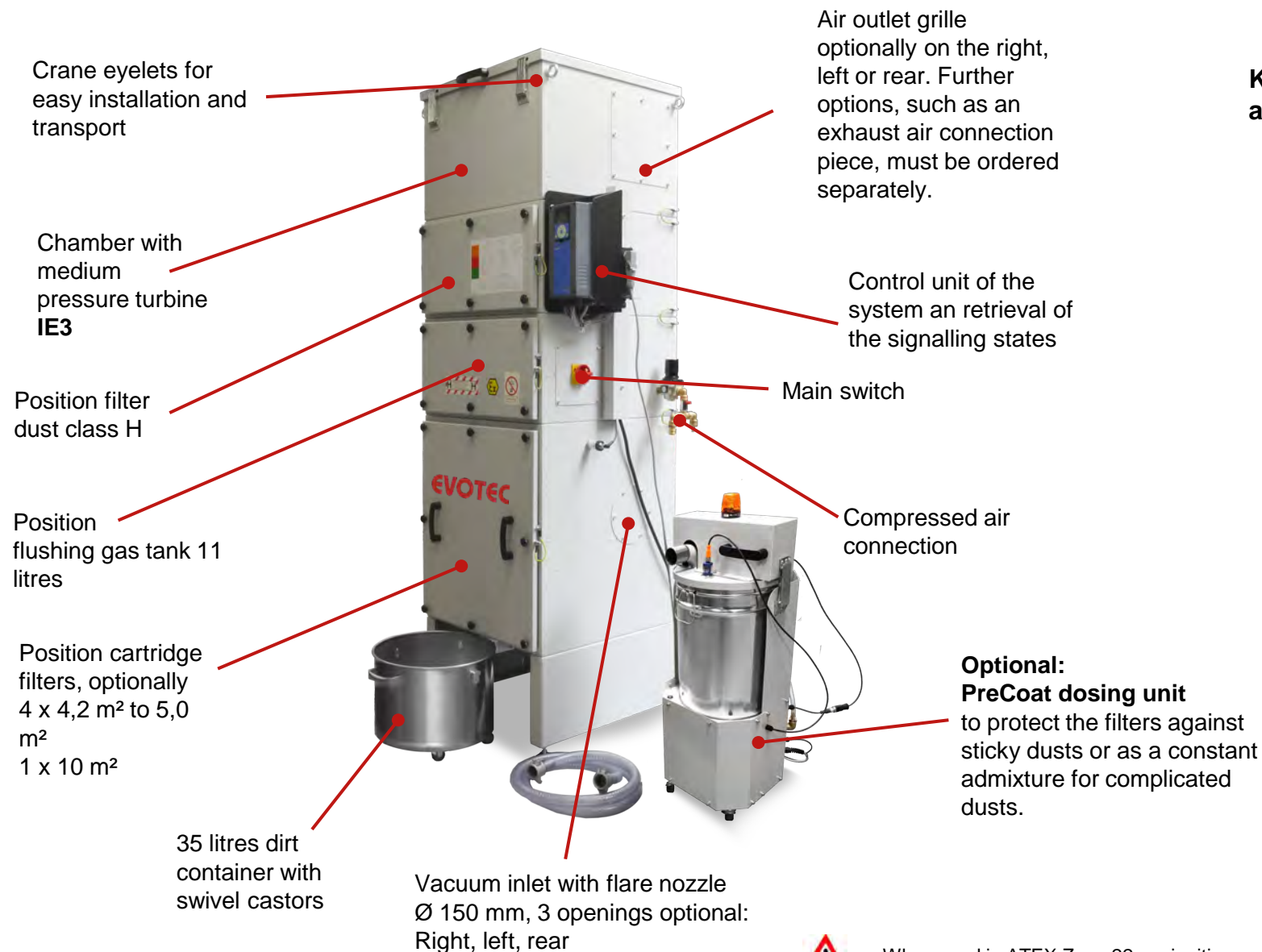
ASSEMBLIES	EP 2815	EP 2822
1. Motor and control (is to be selected from)		
Engine power	1 x 1.500 W	1 x 2.200 W
Voltage	400 V - 3~ - 50/60 Hz.	
Max. motor rated current	3,0 Amp	4,0 Amp
Max. air volume	2.050 m³/h	2.500 m³/h
Max. negative pressure	3.300 Pa	3.500 Pa
Operating air flow approx. *)	1.650 m³/h	1.950 m³/h
Operating negative pressure approx. *)	2.800 Pa	3.200 Pa
Protection class	IP 54	
Noise level	67 dB(A)	
Vacuum connection	Ø 150 mm (Optional position)	
Exhaust air	Air outlet grille (Optional position)	
Dirt container	35 litres	
Dimensions L x W x H **)	740 x 800 x 1970 - 2380 mm	
Operating temperature	5 – 35 °C	
Operating humidity	10 – 70 % non-condensing	
Weight	180	182
Item-No. Motor housing	054-8031	054-8033
2. Filter unit dust class M (to be added)		
„M“ – 4 cartridges á 4,2 m² (16 m²)	-M4PF	054-8036 (4 x M filter cartridges á 4,2 m²)
„M“ – 1 cartridge (10,0 m²)	-M1PF	054-8037 (1 x M filter cartridge 10,0 m²)
UPGRADES (optional)		
Dust class H 8,4 m² Filter area	-H	054-8035 (H filter cassette 8,4 m²)
Activated carbon in.l. 2 AK-panels	-AK	054-8034 (Activated carbon)
EX protection ATEX for zone 22	-EX	054-8042 (EX version ATEX for zone 22)
ESD version electrically conductive	-ESD	054-8044 (ESD version)

*) **Operating data** including standard filter equipment in factory condition without further options such as spark trap, pipelines or H upgrade, etc. The operating point varies due to the power setting and pipe design (Ø, length) as well as measurement at the suction point.

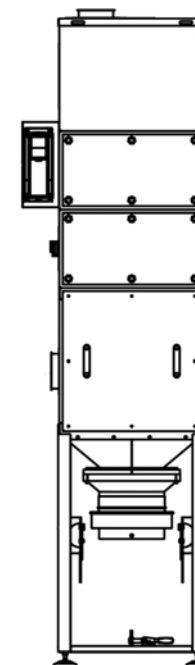
**) Regarding to the standard version, varying according to equipment.

EP 2815 - EP 2822

EVOTEC



Kit with Longopac disposal may be added on request



When used in ATEX Zone 22, no ignition sources may be sucked in

All device options can be found in the configuration sheet further in this document.

Control technology:

Modern control industry standard technology facilitates the adaptation of the extraction system to the customers peripheral equipment:

- **Speed control**

The power of the unit is set to a fixed speed (Hz.-display)

Vacuum power can be infinitely adjusted during operation **or optional:**

- **Vacuum pressure control (PID)**

The demand of (the air volume) is determined by sensors in the unit and the frequency inverter controls automatically as well as energy-efficiently to the pre-set negative pressure. (mbar-display)

- Automatic time-controlled filter cleaning (initial and operational cleaning as well as post-cleaning)
- Display of device status and warnings
 - Monitoring of filter status
 - Device malfunctions, e.g. insufficient vacuum pressure

Options:

- Signalling malfunctions/warnings via signal lights
- Monitoring of the dirt container level
- Connection for ON/OFF remote control and reporting of operating states to external controllers
- Usage of PreCoat dosing unit
- Control of customer-side exhaust air shut-off damper



Filter technology:

Independently interchangeable filters

1st filter stage:

- Four cartridge filters **dust class M** with a total filter area of 16,8 m² (Polyester fleece, aluminium coated)
- Automatic and pneumatic filter cleaning (external compressed air is required)

Upgrades to be ordered when ordering device:

Optional:

HEPA filter H13/14, filter area 8,4 m² in MDF frame as a storage filter.

Optional:

Adsorption filter with **activated carbon** as panels before exhaust air. For exhaust air connection, the cover with connection pipe 054-70202 must be added!

High-quality filter materials guarantee **perfect filtration** – so that the exhaust air is also safely cleaned of dusts and substances.

For complicated dusts, the cartridge filters are available with a **PTFE** coating as an alternative.

Easy access makes filter replacement user-friendly and low-contaminated.






Filters and options EP 2815 - EP 2822

EVOTEC

Filter cartridges for EP 2815 to EP 2822

	<p>Filter cartridge – Dust class M for 4-cartridge filter system Polyester fleece, aluminium coated, cylindrical, electrically conductive Ø 200 mm, round thread Ø 100 mm, L 50 mm L 500 mm / 4,2 m² 054-20182 L 600 mm / 5,0 m² 054-20178</p>
	<p>PTFE filter cartridge – Dust class M for 4-cartridge filter system Polyester fleece, PTFE coated, cylindrical, electrically conductive Ø 200 mm, round thread Ø 100 mm, L 50 mm L 500 mm / 4,2 m² 054-20183 L 600 mm / 5,0 m² 054-20179</p>
	<p>Filter cartridge – Dust class M for 1-cartridge filter system Polyester fleece, aluminium coated, cylindrical, electrically conductive Length: 600 mm, Ø 328 mm, with tension anchor for fastening on the raw gas side 10,0 m² 054-20189</p>
	<p>PTFE-filter cartridge, Dust class M for 1-cartridge filter system Polyester fleece, PTFE coated, cylindrical, electrically conductive. Length: 600 mm, Ø 328 mm, with tension anchor for fastening on the raw gas side 10,0 m² 054-20190</p>

Filters und options for EP 2815 to EP 2822

	<p>Filter cassette – dust class H to purchase for dust class H upgrade Filter cassette 497 x 497 x H150 mm Dust class H (H13/H14) with handle and guide rollers 8,4 m² 054-70176</p>
	<p>Activated carbon panels to purchase for AK upgrade to adsorb odours Size: 605x605x32mm For the AK module two pieces are required! 1 piece 054-70175</p>
	<p>Vibrating motor for filter cleaning Supports cartridge filter cleaning by additional mechanical vibration, ideal for critical dusts that change their aggregate state (incl. additional card control) 054-8047</p>

Options EP 2815 - EP 2822

EVOTEC

Technical options



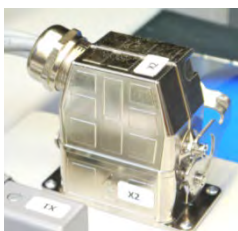
Extension electric box
is required if the relay outputs supplied as standard with the frequency inverter are not sufficient, e.g. if options such as a PreCoat dosing unit and/or potential-free remote signalling (operation, malfunction, maintenance) and/or additional sensors, etc. are added.

054-8038



Signal indicator tower, 24 V
For optical reproduction of warning and fault messages.

054-8039



10-pole plug connection
Additional seperable plug connection as a communication interface

053-0067



16-pole plug connection
Additional separable plug connection as a communication interface

053-0085

Dirt container options



Spare or replaceable container
enables simple and quick disposal outside of site

35 litres **054-3111**

Matching lid with handles for 35-l-container
Ø 400 mm **054-20114**



Plastic disposal bag, antistatic ESD
VE = 10 pieces for dust-free disposal of dust classes M and H.

Extremely stable and „nail test“-tested. Perfect fit due round bottom design – by-pass not necessary!

35-l-Behälter **235-1011**



Level monitoring for dirt container
Capacitive sensor monitors the level of the dirt container. The evaluation takes place via SPS and must be adapted to a customer-specific application.

054-8040



Remote ON/OFF via radio
With hand transmitter and receiver, works with a range up to 350 m. If not in combination with frequency inverter a switch box is required.

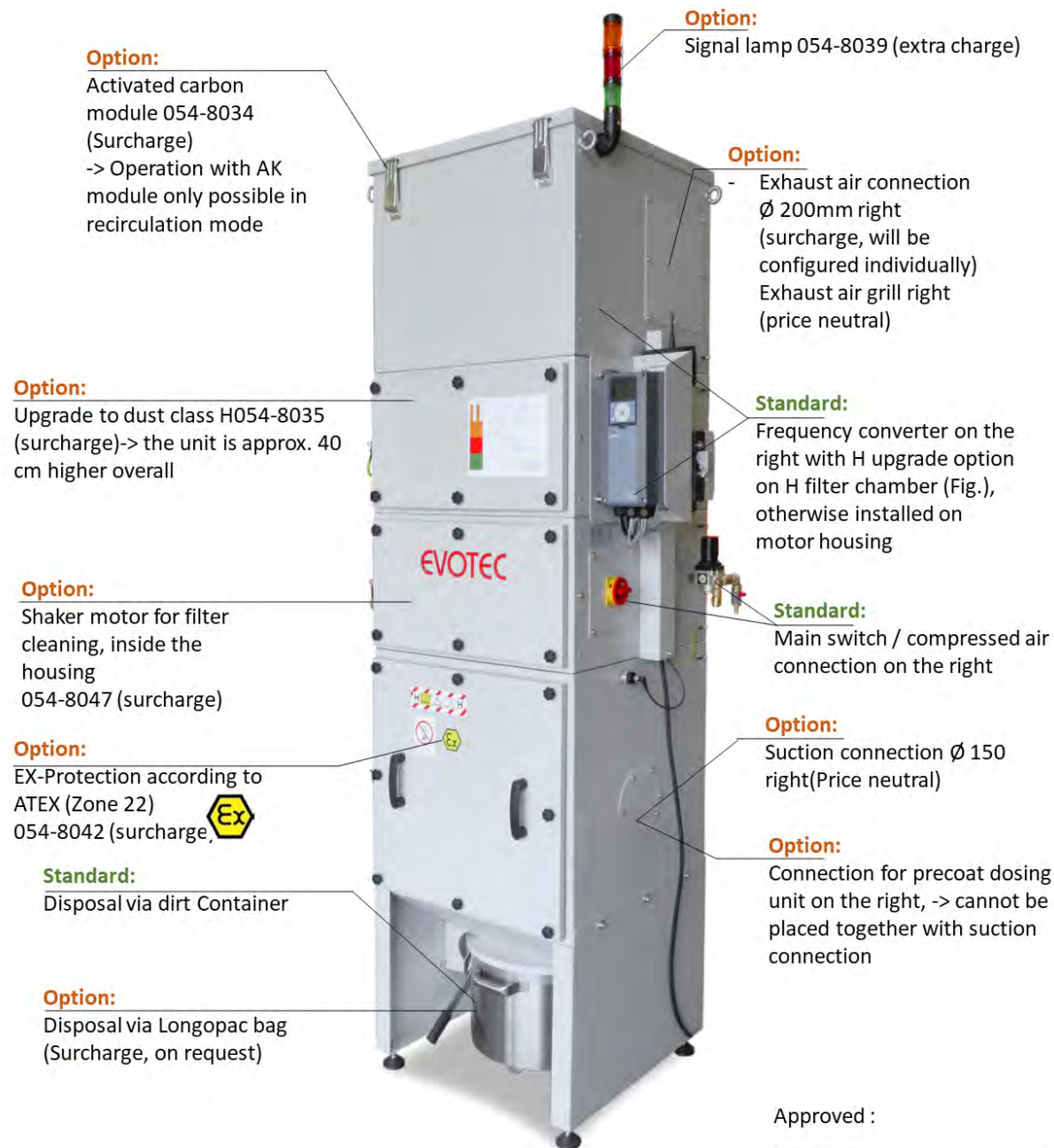
Without switch box **054-6933**
With switch box **054-6932**
Hand transmitter **054-60322**

Configuration

EVOTEC

EP 2815-EP 2822 Front view / right

→ Please mark out what
you do not want!



Approved :

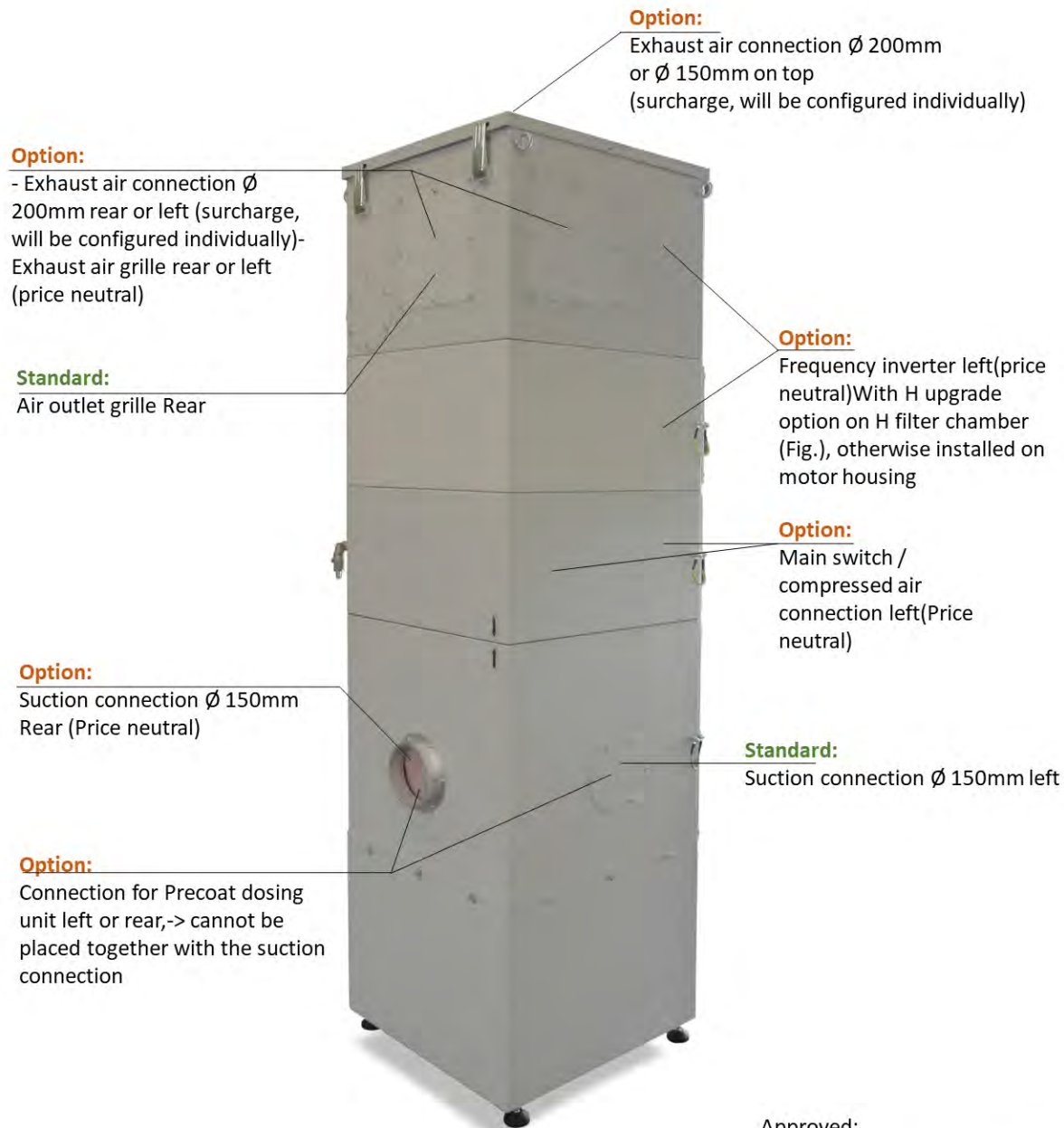
Date, Customer Signature

Configuration

EVOTEC

EP 2815-EP 2822 Rear view / left

→ Please mark out what
you do not want!



Approved:

Date, Customer Signature

EVOTEC



Dust Extractor FEX 6000



INNOVATIVE
EXTRACTION
TECHNOLOGY

Dust extractor FEX 6000.2 - FEX 6000.7

EVOTEC



- ★ State-of-the-art control technology, thus adaptable to customer specific processes
- ★ Complete full equipment
- ★ High-performance filter cartridges with automatic compressed air cleaning
- ★ Easy disposal in „endless“ plastic bag (ESD)
- ★ Vacuum connection Ø 80 mm or 150 mm (Optionally pneumatic gate valve)
- ★ Optional: ATEX for zone 22
- ★ Optional: PreCoat
- ★ With 2 or 3 motors

FEX 6000.2
FEX 6000.3
FEX 6000.5
FEX 6000.6
FEX 6000.7

Versions:



Detail explanation

EVOTEC

Example: FEX 6000.5-D80-H

Exhaust air nozzles Ø 150 mm offers possibility of connecting to a further exhaust air system.

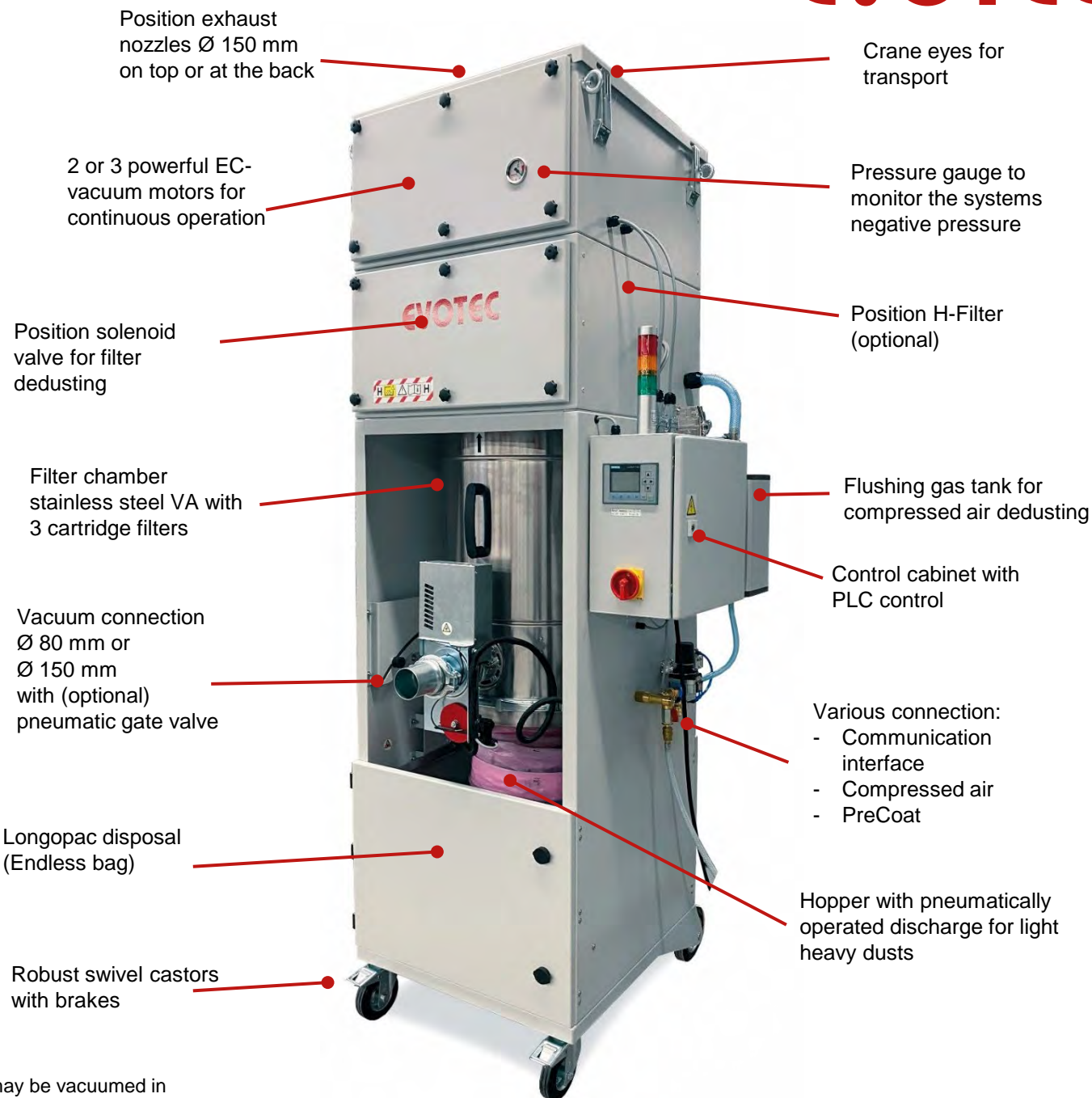
Connection nozzles Ø 80 mm or Ø 150 mm for safe connection of the vacuum hose or connection to piping system.

ATEX version (Upgrade)
completely conductive for use in zone 22.

ESD version (Upgrade)
- completely grounded device
- ESD-powder coating
- ESD-feet/castors

Assemble your plant individually from these assemblies:

1. **Motor assembly with exhaust opening**
2. **Filter chamber chassis with vacuum inlet**
3. **Upgrades**



When used in ATEX Zone 22, no ignition sources may be vacuumed in

Powerful central extraction plant with high airflow rate to collect and filter dry and hazardous dusts.

Specially developed for the reliable extraction and filtration of dusts which occur during miscellaneous work processes.

Critical fine dusts are reliably aspirated and filtered.

Pneumatic filter cleaning via PLC controller.

The volume flow is stepless adjustable.

1st filter stage: Dust class M

M-filter cartridges polyester fleece, aluminium coated or with PTFE-membrane.

Als Upgrade:

2nd filter stage: Dust class H

Filter cassette (H13/14)

Including filter differential pressure measurement for filter monitoring.

Longopac disposal:

„Endless“-plastic bags for easy and contamination-free disposal of the material.

Longopac-hopper: Heavy duty flap or pneumatically operated discharge for very light dusts.

230 Volt versions as well as such including **UL-components** and special voltages are available on request.

MODELS	FEX 6000.2	FEX 6000.3	FEX 6000.5	FEX 6000.6	FEX 6000.7
Motor assemblies (to be selected from)					
Engine power	2.200 W (2 x 1.100 W)	3.300 W (3 x 1.100 W)	2.200 W (2 x 1.100 W)	3.300 W (3 x 1.100 W)	2.900 W (1.100 W+1.800 W)
Max. airflow rate at turbine	950 m³/h	1.480 m³/h	440 m³/h	650 m³/h	520 m³/h
Max. negative pressure	10.000 Pa		23.800 Pa		21.000 Pa
Operating air flow approx. *)	910 m³/h	1.380 m³/h	420 m³/h	600 m³/h	500 m³/h
Operating neg. pressure approx. *)	9.500 Pa		22.800 Pa		20.000 Pa
Flushing gas tank for filter dedusting	5 litres compressed air				
Dimensions L x W x H **)	850 x 880 x 2270 - 2550 mm				
Protection class	IP 54				
Weight approx. **)	215 kg	220 kg	215 kg	220 kg	220 kg
Noise level	73 dB(A)	74 dB(A)	73 dB(A)	74 dB(A)	74 dB(A)
230 Volt – I. No.: (50/60 Hz)	054-8102	054-8103	054-8105	054-8106	054-8107
400 Volt – I. No.: (50/60 Hz)	054-8109***)	054-8110***)	054-8111	054-8112	054-8113
Filter chamber vacuum connection (to be added)					
Vacuum inlet Ø 80 mm Filter chamber with 3 cartridge filters, dust class M	-D80 054-8120 Length of filter 500 mm à 4,2 m“ Total filter area = 12,6 m²				
Vacuum inlet Ø 150 mm Filter chamber with 3 cartridge filters, dust class M	-D150 054-8121 Length of filter 600 mm à 5,0 m“ Total filter area = 15,0 m²				
UPGRADES (optional)					
Dust class „H“-filter cassette 8,4 m²	-H 054-8122				
EX protection acc. to ATEX Zone 22	-EX 054-8123				
ESD version	-ESD 054-8124				

*) Operating data including standard filter equipment in factory condition without further options such as spark trap, pipeline or H-upgrade, etc. The operating point varies due to the power setting and pipe design (Ø, length) as well as measurement at the suction point.

**) With regard to the standard version, varying according to the equipment

***) N-conductor required

Deduster FEX 6000.2 - FEX 6000.7

EVOTEC

Control technology:

Modern control technology according to industry standards facilitates the adaptation of the extraction system to the customers peripherals.

- Units parameters individually adjustable
- Vacuum power continuously adjustable during operation
- Automatic filter dedusting (operational cleaning and post-cleaning)
- Industry standardised control system with good connection to customers system. (As an option)
- Display for unit status and warnings, keypad with large text display
 - Filter status monitoring
 - Unit malfunctions, e.g. low vacuum pressure

Options:

- Signalling faults/warnings via signal lights
- Connection for ON/OFF remote control and report of operating states to external controllers via potential-free contact
- Control of customer exhaust air flap (e.g. Belimo)
- Connection to PreCoat dosing unit
- Operating hours counter



Easy to use control system



Monitoring filter condition via filter differential pressure

Filters and options FEX 6000.2 - FEX 6000.7



Filter inserts and disposal



Filter cartridge – Dust class M

for 3-cartridge filters system, polyester fleece, aluminium coated, cylindrical, electrically conductive

Ø 200 mm, round thread Ø 100 mm, L 50 mm

L 500 mm / 4,2 m² **054-20182**

Only with **vacuum connection** Ø 150 mm (054-8121):

L 600 mm / 5,0 m² **054-20178**



PTFE filter cartridges – Dust class M

for 3-cartridge filters system, polyester fleece with PTFE-membran, cylindrical, electrically conductive

Ø 200 mm, round thread Ø 100 mm, L 50 mm

L 500 mm / 4,2 m² **054-20183**

Only with **vacuum connection** Ø 150 mm (054-8121):

L 600 mm / 5,0 m² **054-20179**



Longopac - bag

„Endless“-bag for easy and dust-free disposal of the material. 20 metre foil hose with cable ties for sealing

**VE = 4 units
à 20 metres**

Strong ESD quality

Strength: 68 mic. **235-1050**

Strong quality (not ESD)

Strength: 68 mic. **235-1060**

Options



Pneumatic gate valve

Prevents dust from being blown back into the pipeline during compressed air filter dedusting.

Includes top cover for slider and crap for attachment during maintenance and transport.

For vacuum inlets:

Ø 80 mm **054-8125**

Ø 150 mm **054-8126**



Vibrator motor for filter dedusting

Supports filter cleaning through additional mechanical vibration, ideal for critical dusts that change their aggregate state (incl. extension module control)

054-8016



Filter cassette – Dust class H

For repurchasing of dust class H filter cassette 497 x 497 x H150 mm dust class H (H13/H14) with handle and guiding rollers.

8,4 m²

054-70176

Options FEX 6000.2 - FEX 6000.7

EVOTEC

Technical options



PreCoat dosing unit

Doses a filter aid into the extraction unit in fixed cycles. The filters are then coated with a „sacrificial layer“ and thus are protected from e.g. sticky adhesions. Which otherwise cannot be cleaned of the filter.

The filter life cycle is being extended and the filtration results are improved..

Solid inerting: Alternatively it is also suitable as an admixture to reduce the reactivity of complicated dusts.

Including filling level control for PreCoat container

Sensor monitors the filling level of the PreCoat container. The evaluation takes place via PLC. Processing of the signals according to customer agreement.

Compressed air controlled dosing unit including 20 kg container with ready-to-use-EVOMIN precoat powder.

363 x 363 x 990 mm **054-7502**



PreCoat EVOMIN replacement container

Ready-to-use filled replacement container for PreCoat dosing unit, capacity=20 kg.

054-7501

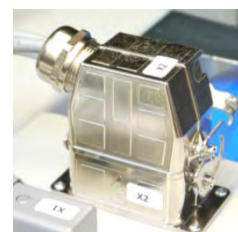
Control technology



Signal indicator terminal, 24 V

For visual reproduction of warning and fault messages.

054-8127



10-pole plug connection

Additional separable plug connection as communication interface.

053-0067



16-pole plug connection

Additional separable plug connection as communication interface.

053-0085



Remote ON/OFF via radio

With hand transmitter and receiver, works with a range up to 350 m. If not in combination with frequency inverter a switch box is required.

Without switch box 054-6933

With switch box 054-6932

Hand transmitter **054-60322**

EVOTEC



Central Extraction System EP 2830-28110



INNOVATIVE
EXTRACTION
TECHNOLOGY

Central extraction system – EP 2830 - EP 28110

EVOTEC



- ★ High vacuum power suitable for pipe systems with various openings to connect.
- ★ Automatic volume flow control (PID)
- ★ Remote ON/OFF possible
- ★ Practical handheld
- ★ Full safety equipment
- ★ Fill level monitoring of dirt tank

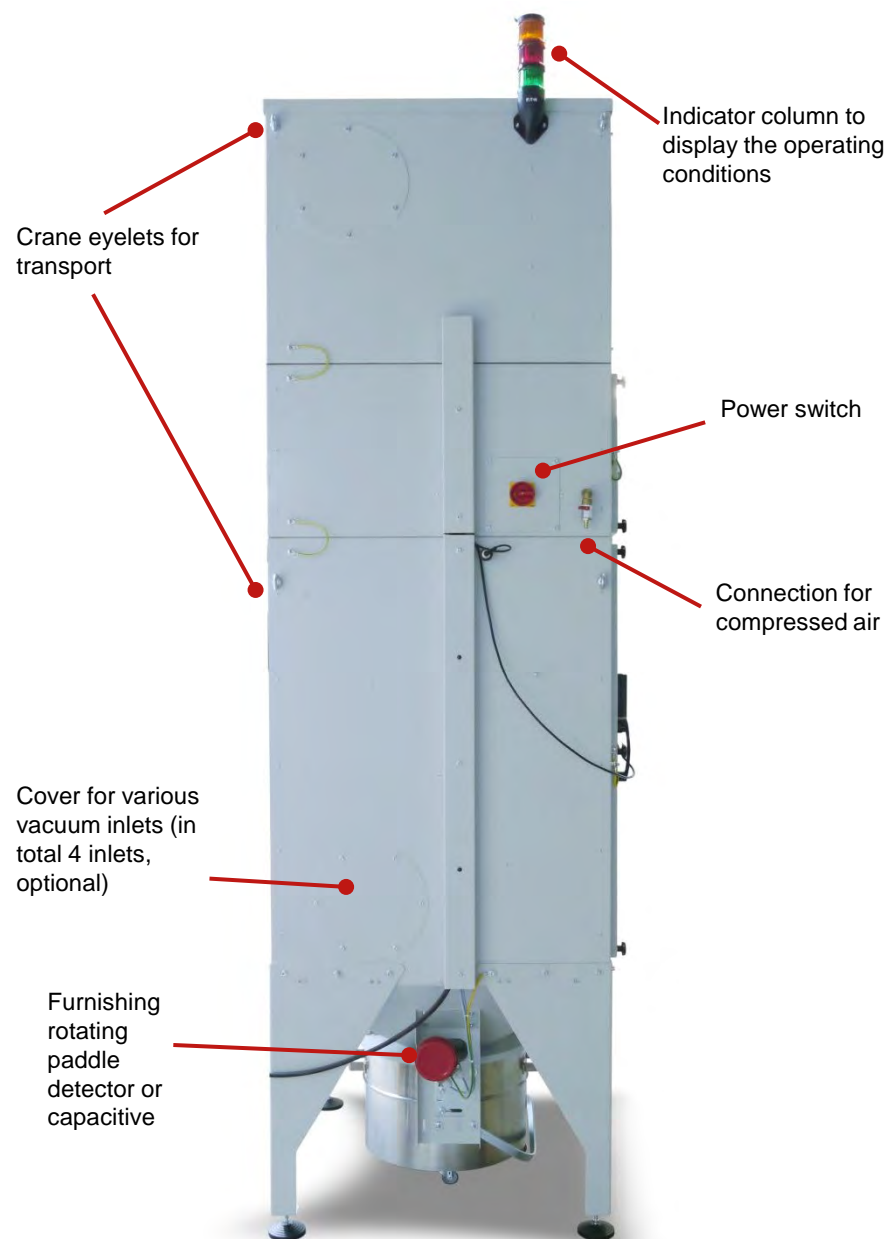
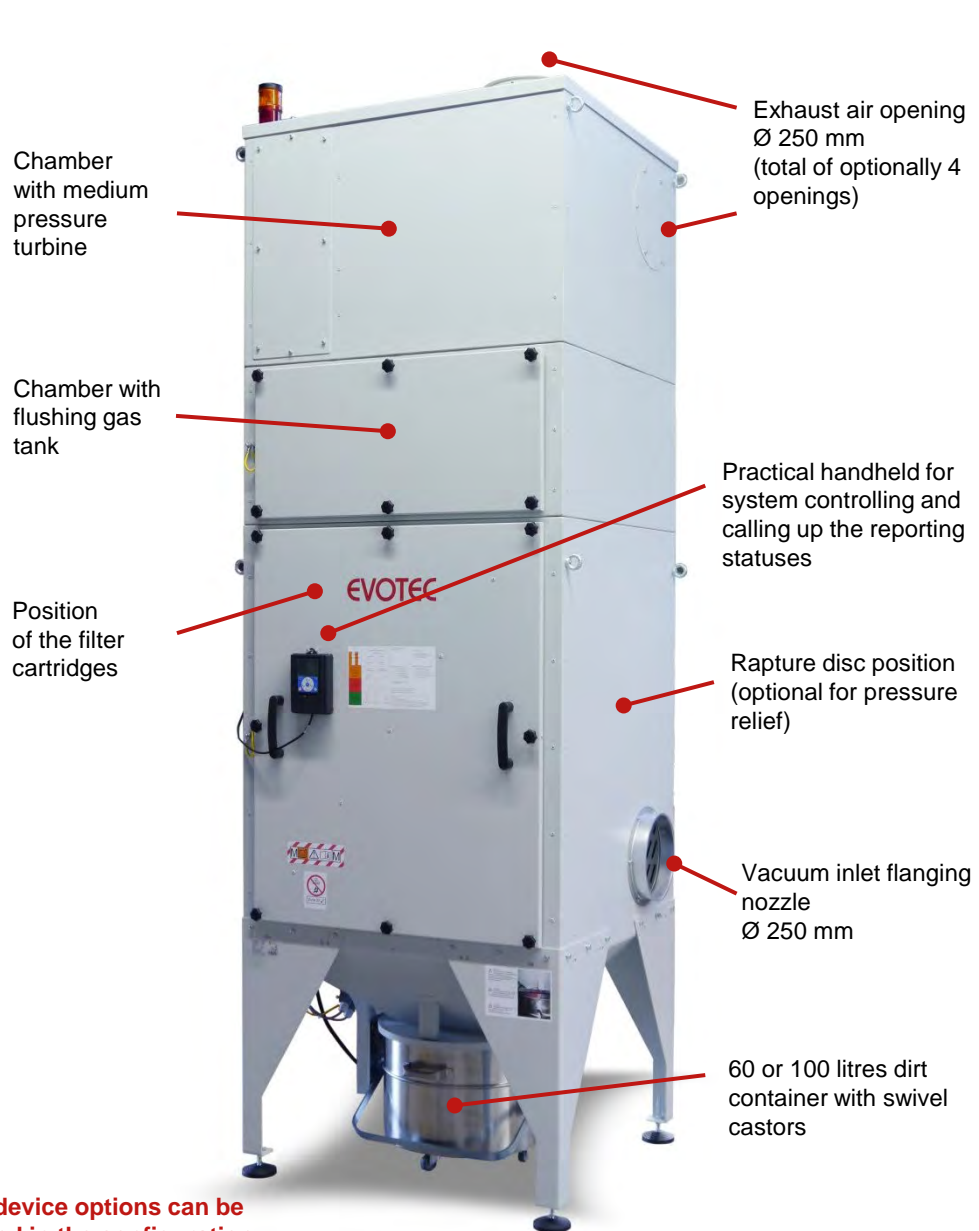
EP 2830
EP 2855
EP 2875
EP 28110

Versions:



EP 2830 - EP 2875

EVOTEC



All device options can be found in the configuration sheet further in this document

Powerful stationary extraction system with high air volume to collect and filter dry and hazardous dusts

Ideal to extract free flowing, dry dusts and smoke during welding, grinding, polishing, cutting materials or plastics or at transfer stations.

High quality standards – maintenance-free **IE3** medium pressure turbine suitable for **3-shift-operation**. Ideal for extraction of large air volumes to collect suspended dust – e.g. from **laser cutting**.

Comfortable container lowering of dirt container for easy disposal of the material.

Modern cartridge filter system: Resistant polyester filters with large filter area in **dust class M**.

Dust class H available on request.

Monitoring and display of filter status included in control side.

Automatic time controlled cartridge filter cleaning by compressed air (external compressed air connection is required). Integrated impact separator to pre-separate coarse material.

Upgrade EX protection: Device fully grounded as a preventive protective measure for safe use in accordance with ATEX in zone 22.

Optional additional protective measures, e.g. relief valve or rapture disc available on request.

Upgrade ESD version

- completely grounded
- ESD powder coated
- Feet/castors ESD

Energy efficient control which can be adapted to customers processes:

Volume flow control (PID)

The required air volume is determined by sensors in the system and the frequency inverter automatically controls to the appropriate negative pressure (mbar-display)

or

Speed control

The power of the unit is set to a fixed speed (Hz.-display).

*) **Operating** data including standard filter equipment in factory condition without further options such as spark trap, pipeline or H-upgrade, etc. The operating point varies due to the power setting and pipe design (Ø, length) as well as measurement at the suction point.

**) With regard to the standard version, varying according to equipment.

Model	Volt	EP2830-40	EP2830-64	EP2855	EP2875	EP 28110-76
Voltage at 50/60 Hz		400				
Engine power	Watt	3.000		5.500	7.500	11.000
Max. motor current	Amp.	5,3		10,4	13,4	19,3
Max. air flow approx. *)	m³/h	3.830		6.200	7.200	9.000
Max. negative pressure	Pa	3.900		4.500	6.100	6.000
Air flow in operating condition approx. *)	m³/h	3.300	3.500	5.500	6.300	7.900
Pressure in operating condition approx. *)	Pa	3.800		4.200	5.000	6.000
Flushing gas tank	ltr.	2 x 10				
Filter area dust class „M“	m²	4 x 10 = 40	4 x 16 = 64			4 x 19 = 76
Dirt container	ltr.	60 - (optional 100)				100
Protection class		IP 54 (if exhaust air ist connected)				
Noise level at 50 Hz	dB(A)	68		70	72	74
Vacuum inlet/ exhaust air connection	Ø mm	250 mm, various inlets optional				400
Dimensions**) T x B x H	cm	98 x 102 x 285	98 x 102 x 325			142 x 102 x 360
Weight**) kg	kg	480	485	520	540	600
Operating temperature	°C	5 – 35				
Operating humidity	%	10 – 70 (non condensing)				
Standard version		251-4220	251-4221	251-4240	251-4250	251-4261
Upgrade EX protection ATEX Zone 22	I.No.	054-8042				
Upgrade ESD version electrostatically conductive	I.No.	054-8044				
Upgrade 100 dirt container	I.No.	053-1095				
Upgrade two-parted version	I. No.	054-7313				–
Upgrade dust class „H“ filter area 20 m²	I. Nr.	054-7330			–	–

EP 28110-76

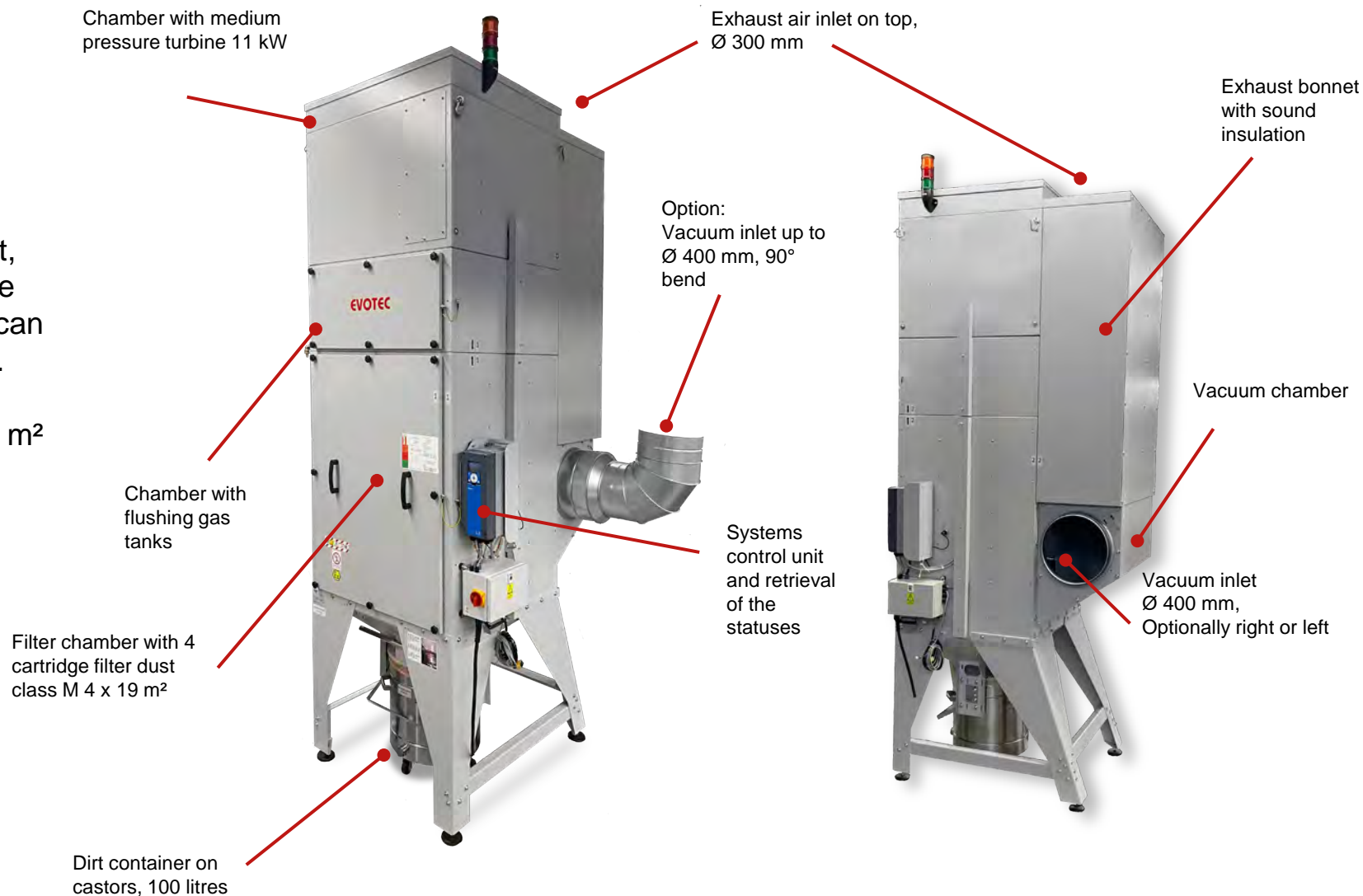
EVOTEC

NEW

EP 28110-76 with large-volume exhaust bonnet to reduce noise emission

The large vacuum inlet, which is ideal to handle large air volume flow, can be reduced if required.

★ Large filter area: 76 m²



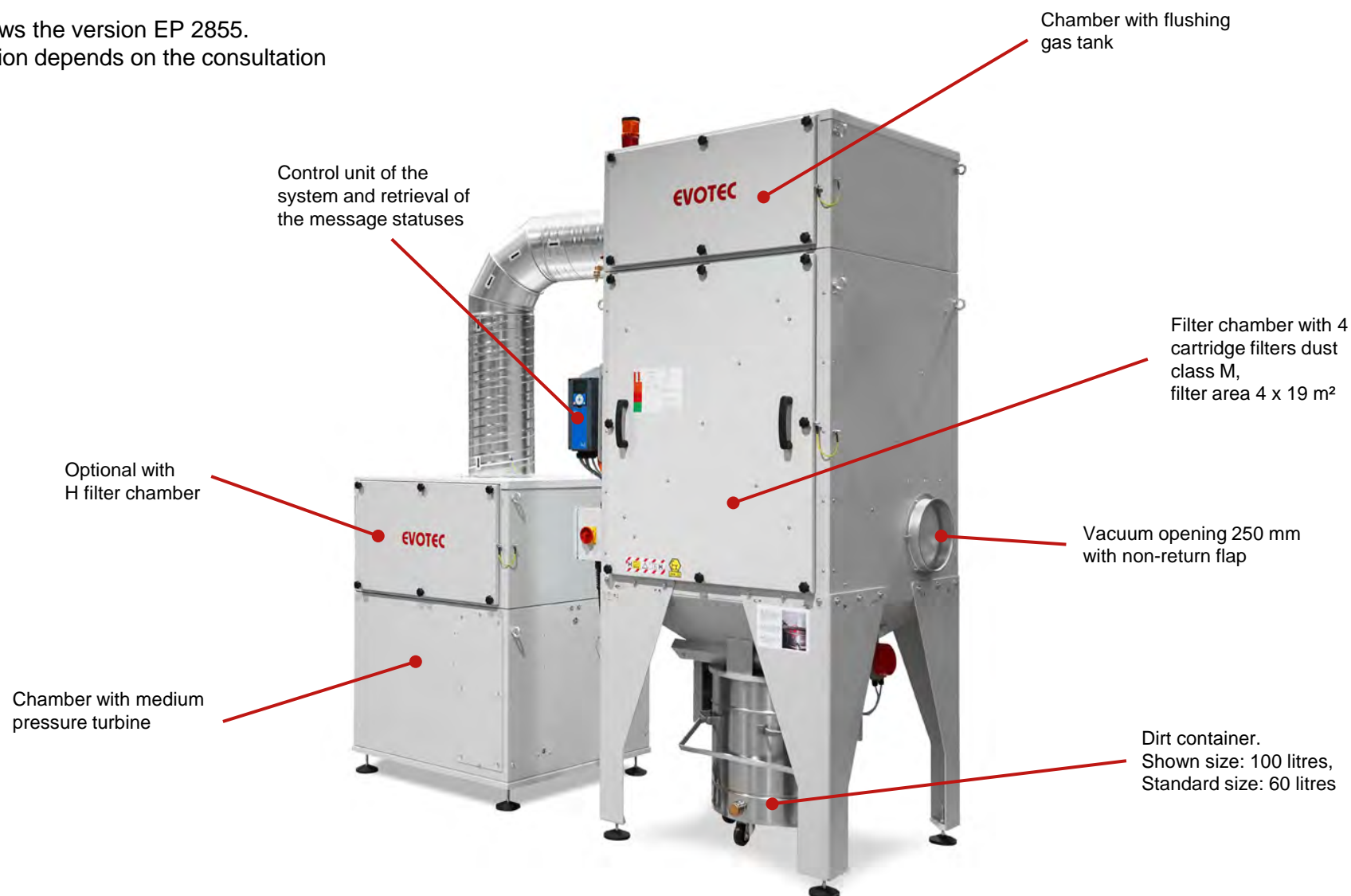
Upgrade two parted version

For the models EP2830-2875

★ Recommended for H upgrade or if ceiling height is not sufficient.

Image shows the version EP 2855.

Configuration depends on the consultation



Control technology:

Automatic volume flow control (PID)

The required air volume is determined by sensors in the system and the frequency inverter automatically regulates to the appropriate negative pressure (mbar-display)

or

Speed control regulation

The power of the unit is set to a fixed speed (Hz.-display).

Further control options

- Signal interfaces to operate message and filter message
- Remote ON/OFF
- Control of the system via practical handheld
- Signal lights and display with status message
- Monitoring of: maximum negative pressure
- Maximum differential pressure (filter load)
- Control of cartridge filter cleaning
- Service hour counter (including maintenance notice)



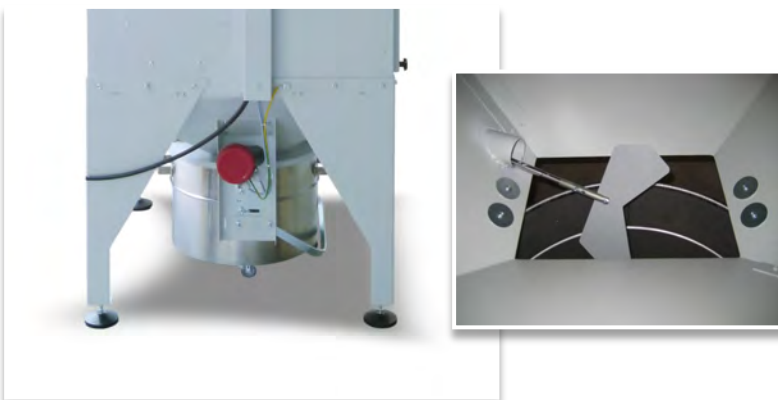
Disposal:

- V2A stainless steel dirt container 60 litres
- Upgrade: 100 litres dirt container
- Dirt container with swivel castors
- Dirt container can be lowered by lever for easy disposal
- Plastic disposal bag for low contamination disposal also available in ESD quality
- Rotating paddle detector for level monitoring in the dirt container

Suitable disposal bags:

Item no. 235-1021 (60 litres)

Item no.. 235-1031 (100 litres)



Filter technology

- Four cartridge filters **dust class M** according to DIN EN 60335-2-69
- Filter area:
 $4 \times 10 \text{ m}^2 = 40 \text{ m}^2$ (Item no. 054-20189)
or
 $4 \times 16 \text{ m}^2 = 64 \text{ m}^2$ (Item no. 054-20153)
- Pre-Coating dosing unit **optional** item no. 054-7500
pre-treatment for filter protection
- User-friendly filter change
- For zone 22 – Ex protection by earthing straps

Filter cleaning technology

- Automatic periodic compressed air filter cleaning, alternating intervals, **external compressed air is required** (5 to 8 bar)
Maximum operating pressure 6 bar,
Flushing gas tanks 2 x 10 litres
- Monitoring of:
→ maximum negative pressure
→ maximum differential pressure (filter load)



When used in ATEX Zone 22, no ignition sources may be sucked in.



Filters and options EP 2830 - EP 28110



Cartridge filters EP 2830 to EP 28110

	<p>Cartridge filter– Dust class M for 4-cartridge filter system, polyester fleece, alu-coated, cylindrical, electrically conductive, Ø 328 mm, for fastening on the raw gas side with tension anchor</p> <p>10 m², L600mm 054-20189 16 m², L1000mm 054-20153 19 m², L1200mm 054-20196</p>
	<p>PTFE cartridge filter - Dust class M for 4-cartridge filter system, polyester fleece, with PTFE membrane, cylindrical, electrically conductive, Ø 328 mm, for fastening on the raw gas side with tension anchor</p> <p>10 m², L600mm 054-20190 16 m², L1000mm 054-20187 19 m², L1200 mm 054-20197</p>
	<p>Set: Hepa-filter cassettes H13 MDF-frame, filter class H13</p> <p>610 x 610 x H260 mm 074-20114 610 x 610 x H292 mm 074-20114</p>
	<p>Upgrade activated carbon To adsorb odours, additional housing with device for the activated carbon module can be used up to 3,0 kW</p> <p style="text-align: right;">054-7320</p>

Options EP 2830 to EP 28110

	<p>Vibrator motor for filter dedusting Supports filter cleaning through additional mechanical vibration, ideal for critical dusts that change their aggregate state (incl. extension module control)</p> <p>054-8047</p>
	<p>Spare or replaceable container Ø 500 enables simple and quick disposal outside of site, with swivel castors</p> <p>60 litres 054-3210 100 litres 054-3220</p> <p>Matching lid with handles Ø 500 mm 054-20090</p>
	<p>Plastic disposal bag, antistatic ESD VE = 10 pieces for dust-free disposal of dust classes M and H. Extremely stable and „nail test“-tested. Perfect fit due round bottom design.</p> <p>60-l-container 235-1021 100-l-container 235-1031</p>

Technical options EP 2830 - EP 28110



Technical options EP 2830 to EP 28110

	<p>Extension electric box is required if the relay outputs supplied as standard with the frequency inverter are not sufficient, e.g. if options such as a PreCoat dosing unit and/or potential-free remote signalling (operation, malfunction, maintenance) and/or additional sensors, etc. are added.</p> <p>On request</p>						
	<p>Multi-pole plug connection Additional separable plug connection as communication interface. (Image shows 10-pole plug connection)</p> <table data-bbox="577 842 1099 906"> <tr> <td>10-pole</td><td>053-0067</td></tr> <tr> <td>16-pole</td><td>053-0085</td></tr> </table>	10-pole	053-0067	16-pole	053-0085		
10-pole	053-0067						
16-pole	053-0085						
	<p>Remote ON/OFF via radio</p> <p>With hand transmitter and receiver, works with a range up to 350 m. If not in combination with frequency inverter a switch box is required.</p> <table data-bbox="577 1187 1099 1321"> <tr> <td>Without switch box</td><td>054-6933</td></tr> <tr> <td>With switch box</td><td>054-6932</td></tr> <tr> <td>Hand transmitter</td><td>054-60322</td></tr> </table>	Without switch box	054-6933	With switch box	054-6932	Hand transmitter	054-60322
Without switch box	054-6933						
With switch box	054-6932						
Hand transmitter	054-60322						

Technical options

	<p>PreCoat dosing unit</p> <p>Doses a filter aid into the extraction unit in fixed cycles. The filters are then coated with a „sacrificial layer“ and thus are protected from e.g. sticky adhesions. Which otherwise cannot be cleaned of the filter.</p> <p>The filter life cycle is being extended and the filtration results are improved..</p> <p>Solid inerting: <i>Alternatively it is also suitable as an admixture to reduce the reactivity of complicated dusts.</i></p> <p>Including filling level control for PreCoat container</p> <p>Sensor monitors the filling level of the PreCoat container. The evaluation takes place via PLC. Processing of the signals according to customer agreement.</p> <p>Compressed air controlled dosing unit including 20 kg container with ready-to-use-EVOMIN precoat powder.</p> <table data-bbox="1621 1043 2130 1075"> <tr> <td>363 x 363 x 990 mm</td><td>054-7502</td></tr> </table>	363 x 363 x 990 mm	054-7502
363 x 363 x 990 mm	054-7502		
	<p>Precoat EVOMIN replacement container</p> <p>Ready-to-use filled replacement container for Precoat dispenser, containing 20 kg</p> <p>054-7501</p>		

Accessories for series EP 2830 and EP 28110

EVOTEC

Device connection options



Spark trap with knitted inlay

prevents sparks from being sucked in. For integration into pipe systems. Easy handling due to quick adjustable clamping rings. Ø connection:

Ø 150 mm	072-0630
Ø 200 mm	072-0638
Ø 250 mm	072-0639
Ø 315 mm	072-0643



Matching metal knitted inlay for spark traps

Linear metres **072-10032**
Ready wound:

Ø 150 mm	072-0630-01
Ø 200 mm	072-0638-01
Ø 250 mm	072-0639-01
Ø 315 mm	072-0643-01



Spark trap

(up until approx.. 1200 m³/h air volume)

Prevents sparks from being sucked into the vacuum cleaner. The air deflection causes the sparks to collide with the copper sheets and extinguish. The spark trap can be cleaned via removable viewing plate.

Connection Ø 150 mm **053-4001**



Control of exhaust air shut-off damper

suitable for shut-off dampers in the customer's exhaust air. Only for actuators with spring return (e.g. Belimo damper)

On request

Hoses



Exhaust air or vacuum hose PUR



Can be used as an exhaust air, vacuum hose or connecting hose, chemical resistant and food-graded, electrostatically conductive when spiral is grounded. (Image: Optionally with wire clamp and hose connection piece.)

Linear metres

Ø 80 mm	052-0323
Ø 100 mm	052-0325
Ø 120 mm	052-0328
Ø 125 mm	052-0332
Ø 150 mm	052-0326
Ø 160 mm	052-0329
Ø 200 mm	052-0330

Suitable hose connectors and reducers can be found in the piping catalogue.



Exhaust air or vacuum hose PUR, antistatic black



Can be used as an exhaust air, vacuum hose or connecting hose. Flow and surface resistance < 10⁹ Ohm

Linear metres

Ø 80 mm	072-10011
Ø 100 mm	072-10035
Ø 120 mm	072-10036
Ø 125 mm	072-10039
Ø 150 mm	072-10037
Ø 160 mm	072-10040
Ø 200 mm	072-10038

Suitable hose connectors and reducers can be found in the piping catalogue.

Configuration

EVOTEC

EP 2830-EP 2875 Front view / right

→ Please mark out what
you do not want!

Option:

Upgrade to dust class
H054-7330 (extra charge)
-> the unit becomes
approx. 50 cm higher
overall

Option:

Shaker motor for filter
cleaning, inside the
housing 054-8047
(surcharge)

Standard:

Exhaust air connection
Ø 250mm top

Option:

Exhaust air connection Ø
250mm right
(price neutral)

Option:

EX-Protection according to
ATEX (Zone 22) 054-8042
(surcharge)



Standard:

Suction connection Ø 250
right

Standard:

Dirt container 60l

Option:

Dirt tank 100l 053-1095
(surcharge)
-> the unit is approx. 30 cm
higher overall



Approved:

Date, Customer Signature

Configuration

EVOTEC

EP 2830-EP 2875 Rear view / left

→ Please mark out what
you do not want!

Option:

Exhaust air connection
Ø 250mm rear
(price neutral)

Standard:

Signal Tower left

Option:

Exhaust air connection
Ø 250mm left (price neutral)

Standard:

Main switch /
compressed air
connection left

Option:

Suction connection
Ø 250mm left
(Price neutral)

Option:

Sauganschluss Ø 250mm
Hinten links oder
hinten rechts (Preisneutral)



Approved:

Date, Customer Signature

EVOTEC



PreCoat Dosing unit



INNOVATIVE
EXTRACTION
TECHNOLOGY

PreCoat dosing unit

EVOTEC



- ★ Freely definable dosing cycles
- ★ Assigning „sacrificial layer“ to the filters
- ★ Extension of the filter service life
- ★ Solid inerting
- ★ Incl. fill level control
- ★ Compressed air operated
- ★ Incl. 20 kg container with EVOMIN-PreCoat powder

Recommended for the following EVOTEC models:

EP 2701/02/03

EP 2815

EP 2822

FEX 6000

EP 2830

EP 2855

EP 2875

EP 28110

PreCoat dosing unit for filter aids to protect the filters when vacuuming sticky adhesive dusts or as a permanent admixture in the case of complicated dusts.

Doses a filter aid into the extraction unit in fixed cycles. The filters are covered with a „**sacrificial layer**“ and thus protected from e.g. sticky adhesions which otherwise can not be cleaned off the filter.

The filter service life is extended and the filtration result improved.

Solid inerting: Alternatively, also suitable as an admixture to reduce the reactivity of complicated dusts.

Including fill level control of the PreCoat container

Sensor monitors the fill level of the PreCoat container. The evaluation is done via PLC. Processing of the signals according to customer agreement.

Dimensions L x W x H: 363 x 363 x 900 mm

Compressed air operated dosing unit including 20 kg container with ready-to-use EVOMIN PreCoat powder.



Image shows application with EP 2815

PreCoat dosing unit		Item No.: 054-7502
PreCoat EVOMIN Replacement container <i>Ready-to-use filled replacement container for PreCoat dispenser. Content: 20 kg</i>		Item No.: 054-7501



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