

EVOTEC

Industrial Dust Extractor

EP 2701/ 2702/ 2703



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**INNOVATIVE
EXTRACTION TECHNOLOGY**



Dust Extractor EP 2701 – EP 2702 – EP 2703

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- Robust equipment with V2A stainless steel (1.4301)
- Powerful EC suction motors, suitable for continuous operation
- M filter cartridges with automatic compressed air cleaning
- Disposal in "endless" plastic bag (ESD) or dirt container
- Suction 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

Versions:



Process-adaptable, high-performance stationary extraction system with high air volume for capturing and filtering dry and hazardous dusts.

Specially developed for **reliable extraction and filtration of dry dust** generated during various work processes. Critical fine dusts are **reliably extracted and filtered**.

Pneumatic filter cleaning via PLC control.

Airflow infinitely adjustable.

Filter differential pressure measurement for filter monitoring.

Configure your system for your extraction process:

Optionally one, two or three 1,100-watt motors.

1st filter stage: Dust class M

M filter cartridge(s) or
M bag filter

2nd filter stage: Dust class H (upgrade)

Absolute cartridge filter

Optionally dirt container or Longopac disposal system:

"Endless" plastic bag for **simple, low-contamination disposal** of the suction material.

Longopac funnel with:

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

Upgrade: EX protection ATEX Zone 22: Designed for safe extraction in Zone 22 with electrostatically dissipative equipment and device parts

Upgrade: ESD version with ESD powder coating and ESD feet. Device completely grounded with dissipative filter initial equipment set.

*) **Operating data** including standard filter equipment in factory condition without further options such as activated carbon filter, spark trap, piping, etc. The effective performance depends on the respective operating point, which is determined by power setting, pipe dimension (Ø, length), and capture at the suction point.

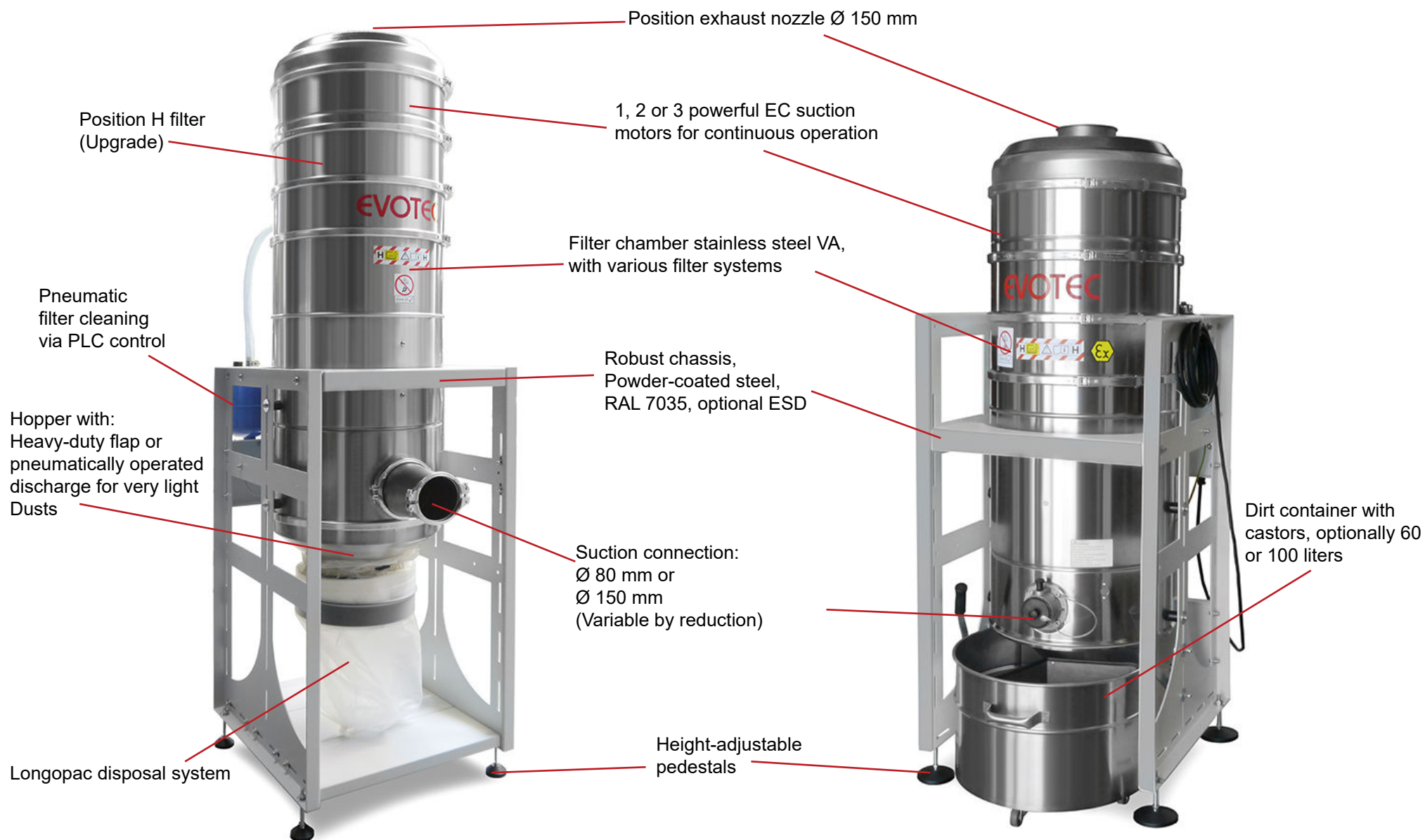
**) Based on the standard version and vary depending on the equipment configuration.

***) Other voltages on request

Model		EP 2701	EP 2702	EP 2703
Motor power	Watt	1 x 1.100	2 x 1.100	3 x 1.100
Voltage at 50/60 Hz. ***)	Volt	100 - 240	230 V 1~ or 400 V 3~ (N conductor required)	400
Maximum air volume turbine output at free outlet	m³/h	450	1.000	1.400
Maximum vacuum at closed suction nozzle	Pa	10.000		
Maximum air volume in operating condition *)	m³/h	400	900	1.300
Sound pressure level (depending on power setting)	dB(A)	72	74	
Weight	kg	124	127	130
Dimensions L x W x H**)	mm	900 x 720 x 1400-2300		
Exhaust connection Ø	mm	150		
Protection class		IP 54 (when exhaust air is connected)		
Operating temperature	°C	5 - 40		
Operating humidity (non-condensing)	%	10 - 90		
Filter chamber and dirt container		V2A stainless steel (1.4301)		
Art. No.		054-8001	054-8002	054-8003
Selection: Filter unit dust class M		Art. No.		
"M" – 3 cartridges at 4.2 m² (12.6 m²)	M3PF	054-8004		
"M" – 1 cartridge (10.0 m²)	M1PF	054-8005		
"M" – bag filter (4.1 m²)	MTF	054-8006		
Selection: Suction connection of the filter chamber				
Suction opening Ø 80 mm	D80	054-8009		-
Suction opening Ø 150 mm	D150	-	054-8010	
Selection: Disposal system		Art. No.		
Longopac endless bag heavy-duty flap	LPS	054-8011		
Longopac endless bag with pneumatic discharge	LPP	054-8015		
60 l dirt container	60L	054-8012		
100 l dirt container	100L	054-8013		
Hopper with universal connection	TU	054-8014		
Optional upgrades:		Art. No.		
Dust class "H" filter cartridge, 4.3 m²	H	054-8007		
EX protection according to ATEX Zone 22	EX	054-8042		
ESD version	ESD	054-8044		

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

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

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Control technology:

Modern control technology with industry-standard standards facilitates the adaptation of the extraction system to customer-side peripherals.

- Device parameters individually adjustable
- Suction power continuously adjustable during operation
- Automatic filter cleaning (operational cleaning and post-cleaning)
- Control with industry-standard standards, good connection to customer-side system (option)
- Display of device status and warnings
 - Monitoring filter condition
 - Device malfunctions, e.g. insufficient suction pressure

Options:

- Signal malfunctions/warnings via signal light
- Keypad with large text display
- Fill level monitoring dirt container
- Connection for ON/OFF remote control and reporting of operating states to external controllers
- Control of customer-side exhaust air flap (e.g. Belimo)
- Connection to PreCoat dosing unit
- Operating hours counter



Easy-to-use control



Monitoring filter condition (DDMU)



Optional with text display

Accessories and options

Filters and options EP 2701 - 2703

	Filter cartridge – Dust class M for 4-cartridge filter system Polyester fleece aluminum-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
	PTFE filter cartridge, dust class M for 4-cartridge filter system Polyester fleece with PTFE membrane, 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
	Filter cartridge – Dust class M Polyester fleece aluminum-coated, cylindrical Length: 600 mm, electrically conductive, Ø 328 mm, for fastening on the raw gas side with tension anchor L 600 mm/ 10 m² 054-20189 L 1000 mm/ 16 m² 054-20153 L 1200 mm/ 19 m² 054-20196
	PTFE filter cartridge, dust class M Polyester fleece with PTFE membrane, cylindrical Length: 600 mm, electrically conductive, Ø 328 mm, for fastening on the raw gas side with tension anchor L 600 mm/ 10 m² 054-20190 L 1000 mm/ 16 m² 054-20187 L 1200 mm/ 19 m² 054-20197

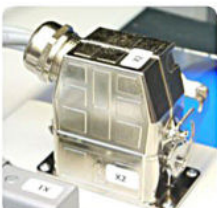
Filters and options EP 2701 - 2703

	Absolute cartridge filter dust class H (H14) Fiberglass, support grid on both sides, Ø 500 mm 2,0 m² 054-20027 4,3 m² 054-20033
	Pocket filter – dust class M 4.1 m² filter area, 20 pockets Material: PUR coating NOVATES 4,1 m² 054-20108
	DDMU differential pressure transmitter For monitoring the negative pressure and the filter conditions 054-60486

Accessories and options

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Control technology EP 2701 - 2703

	Signal indicator column For displaying operating status, reporting warnings/malfunctions 054-8046
	10-pin plug connection Additional detachable plug connection as communication interface 053-0067
	16-pin plug connection Additional detachable plug connection as communication interface 053-0085
	Text display control For monitoring operating states and Control of the system 054-60523

Control and disposal options EP 2701 - 2703

	Remote ON/OFF via radio With handheld transmitter and receiver, works up to 350 m range. If not in combination with FC, a switch box is required. Without switch box 054-6933 With switch box 054-6932 Additional handheld transmitter 054-60322
	Replacement or exchange container with castors, Ø 500 enables simple and fast disposal outside the operating location 60 liters 054-3210 100 liters 054-3220 Matching lid with handle Ø 500 mm 054-20090
	Separator insert for dust container Prevents flotation of very light material being vacuumed, incl. grounding cable Suitable for dust container Ø 500 mm. for 60-l container 054-30121 for 100-l container 054-30122
	Fill level monitoring for dust container Sensor monitors the fill level of the dust container. Evaluation is performed via the PLC. Processing of signals according to customer specification. 054-8040

Accessories and options

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Disposal options EP 2701 - 2703



Plastic disposal bags, antistatic ESD

for dust-free disposal of dusts of
dust classes M and H.
Extremely robust and "nail-test" approved.
Perfect fit due to round-bottom design –
no bypass required!

PU = 10 pieces

Suitable for:

15-l container	235-1070
25/35-l container	235-1011
60-l container	235-1021
100-l container	235-1031



Longopac disposal

"Endless" bag for simple and low-dust
disposal of collected material. 20-meter
film hose with cable ties for
sealing.

PU = 4 units of 20 meters each

High **ESD quality**
Thickness: 68 mic. **235-1050**

High quality (non-ESD)
Thickness: 68 mic. **235-1060**