

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

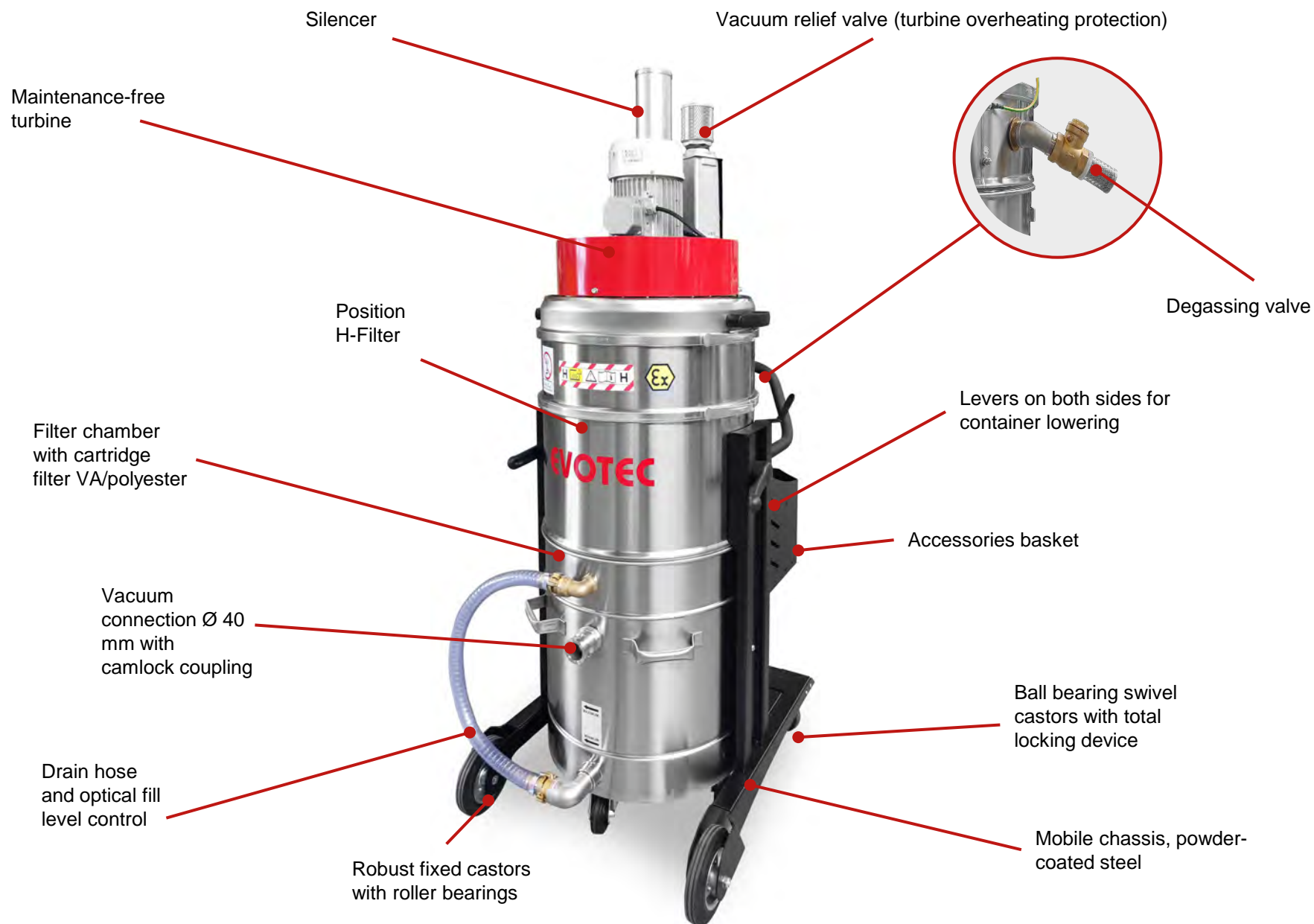
Versions:

Zone 1 + 2
Zone 21 + 22



EP Safety vacuum cleaner with wet separation

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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

	<p>Spare or exchange container 100 ltr. </p> <p>Liquid bath pre-separator incl. lid with demister insert, drain hose (optical level control), camlock connection Ø 40 mm</p> <p>054-3222</p>
	<p>Camlock coupling </p> <p>for suction hose with Ø40 mm hose nozzle</p> <p>052-0198</p>
	<p>ESD Superflex suction Hose </p> <p>Completely electrically conductive $10^2 \Omega$ Ø 40 mm = 052-0200</p> <p>Hose socket (suction Side) for Superflex hose antistatic Ø 40 mm = 052-0139</p>
	<p>ESD-PUR suction Hose </p> <p>Completely electrically conductive $10^2 \Omega$ Ø 40 mm = 052-0196</p> <p>Hose socket (suction Side) for PUR Hose antistatic Ø 40 mm = 052-0141</p>

Accessories liquid bath vacuum cleaner EP 2122 ECO-WB

	<p>Filter cartridge M Polyester fleece electrically conductive, 0.5 m², L 250 mm (3 pieces 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 needed)</p>
	<p>Dust class H (H14) absolute cartridge filter Support grids on both sides</p> <p>Replacement filter for repurchase: 2,0 m², Ø 500 mm = 054-20027</p>
	<p>Drain Hose For liquid bath pre-separators</p> <p>Ø25mm, linear metre = 054-30033</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**



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.



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