

# 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 2130 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 (2m<sup>2</sup>) and Special VA filter (1m<sup>2</sup>)
- ★ ESD hose



**EP 2130 ECO-WB**  
**EP 312-100-WB**

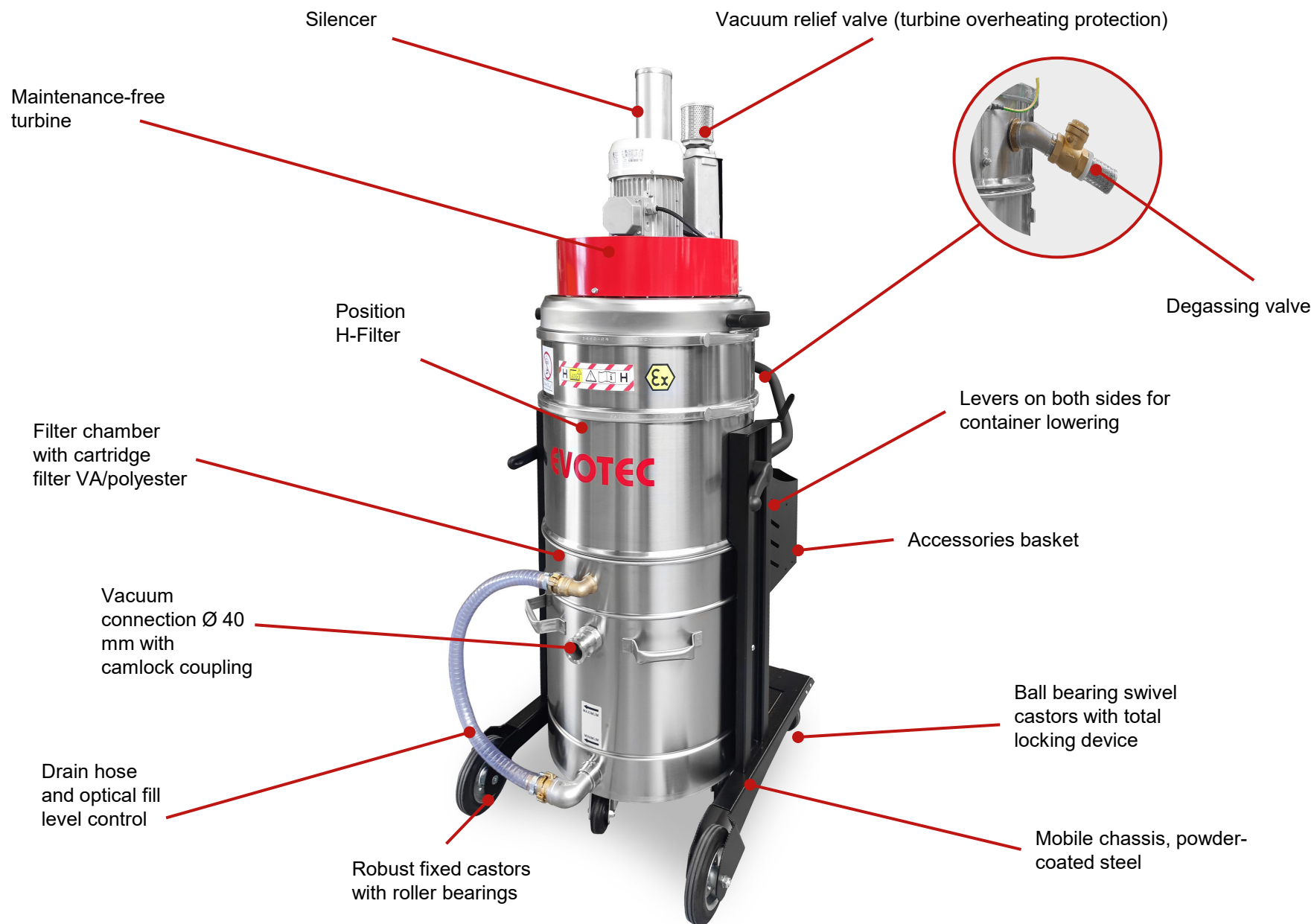
Versions:

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 2130 ECO-WB with **electric drive**. Well-designed, sound-insulated turbine (side channel compressor) on the exhaust air side.

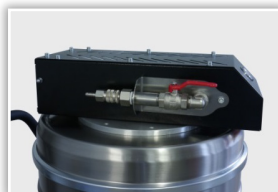
**Or:** EP 312-100 with **compressed air ejectors** - Powerful **compressed air variant**. **Attention:** external compressed air required (operating pressure 6 - 10 bar).



**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 2130 ECO-WB	EP 312-100-WB
Drive		Voltage: 400 Volt Engine power: 3.000 Watt	2 compressed air ejectors Consumption: 56 m³/h (at 4 bar flow pressure) Operating pressure: 6-10 bar
Max. air volume	m³/h	320	300
Negative pressure	mbar	240/ 310 max.	200/ 280 max.
Filter area <b>VA-Filter</b> 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.	 <b>H/Typ22: 251-3081</b>	 <b>H/Zone 1, 2, 21, 22: 053-0083</b>



## Accessories liquid bath vacuum cleaner EP 2130 ECO-WB

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

## Accessories liquid bath vacuum cleaner EP 2130 ECO-WB

	<p><b>Filter cartridge M</b> Polyester fleece electrically conductive, 0.5 m², L 250 mm (3 pieces required)</p> <p>1 Piece <b>054-20124</b></p>
	<p><b>Stainless Steel demister for</b> Water bath separator height 50mm, density 175 kg/m³</p> <p>Demister <b>054-90190</b></p> <p>Holder for demister <b>054-30102</b> (3 pieces are needed)</p>
	<p><b>Dust class H (H14) absolute cartridge filter</b> Support grids on both sides</p> <p>Replacement filter for repurchase: 2,0 m², Ø 500 mm = <b>054-20027</b></p>
	<p><b>Drain Hose</b> For liquid bath pre-separators</p> <p>Ø25mm, linear metre = <b>054-30033</b></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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