

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

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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



Pocket filters and cartridge filters	
(When subsequently changing from 2.2 m ² to 3.2 m ² , 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 = 054-20117</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 = 054-20128 3,20 m², Ø 500 mm = 054-20129</p>
	<p>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</p>

Accessories	
	<p>Plastic waste disposal bags, antistatic ESD</p> <p>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:</p> <p>60-l-Container = 235-1021</p>
	<p>Hose holder Suitable for all models with 60 litre dirt containers.</p> <p>For 10 m hose 053-3070</p>

(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.

	<p>PP-Hose antistatic, complete with fittings</p> <p>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</p>
	<p>Linear Meter, antistatic (for extension or self-assembly)</p> <p>Ø 40 mm = 052-0130 Ø 50 mm = 052-0230</p>
	<p>Hose sleeve (vacuum side) for PP-Hose antistatic</p> <p>Ø 40 mm = 052-0140 Ø 50 mm = 052-0240</p>
	<p>Hose sleeve (boiler side) for PP- Hose antistatic Including retaining ring</p> <p>Ø 80 - 40 mm = 052-0159 Ø 80 - 50 mm = 052-0256</p>

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

	<p>Superflex-Hose, conductive, complete with sleeves</p> <p>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</p>
	<p>Linear Meter, conductive (for extension or self-assembly)</p> <p>Ø 40 mm = 052-0133 Ø 50 mm = 052-0233 Ø 60 mm = 054-90037</p>
	<p>Hose sleeve (vacuum side) for Superflex- Hose antistatic</p> <p>Ø 40 mm = 052-0139 Ø 50 mm = 052-0239</p>
	<p>Hose sleeve (boiler side) including retaining ring for Superflex-Hose antistatic</p> <p>Ø 80 - 40 mm = 052-0158 Ø 80 - 50 mm = 052-0255</p>

(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>

(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.

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