

Dry Vacuum Pump Model EV-A10

A new generation of air cooled vacuum pumps



EBARA Precision Machinery Europe is proud to introduce a new dry vacuum pump unique to the vacuum pump industry, providing a pumping speed not achieved by any other vacuum pump manufacturer to date. The new Model EV-A10 dry vacuum pump provides a constant pumping speed of 60 m³/h, with exceptional pumping performance at atmospheric pressure.

EBARA used its proven design capabilities to develop a workhorse tool for the clean dry vacuum industries. The 60 m³/h dry pump, air cooled with an ultimate pressure of 1 Pa is unique in its performance and is able to provide the benefit of a dry pump without the need of water cooling.

The ease of installation, plug and pump, in combination with the high water vapour tolerance capability (gas ballast open) makes this pump the preferred choice where clean dry vacuum is needed for various applications.

Applications

- Plasma cleaning
- Vacuum dryer
- Lithium-Ion battery manufacturing
- Freeze dry
- Load locks
- Sputtering
- PVD
- Mass spectrometer

Customer Benefits

- **Oil free**
No hydrocarbon issue in the system
- **Low noise level**
User friendly
- **Lowest ultimate pressure in its class**
Best vacuum value
- **Low power consumption**
Low Cost of Ownership (CoO)
- **Air cooled**
No cooling water required
- **Non-contact rotor, no sealing exchange**
Long-lasting
- **Maintenance free operation**
- **High pumping speed at atmospheric pressure**
Perfect LL pump
- **Pumps 500 g/h of water vapour**
- **Compact design**
- **Check valve and silencer included**

Detailed explanation

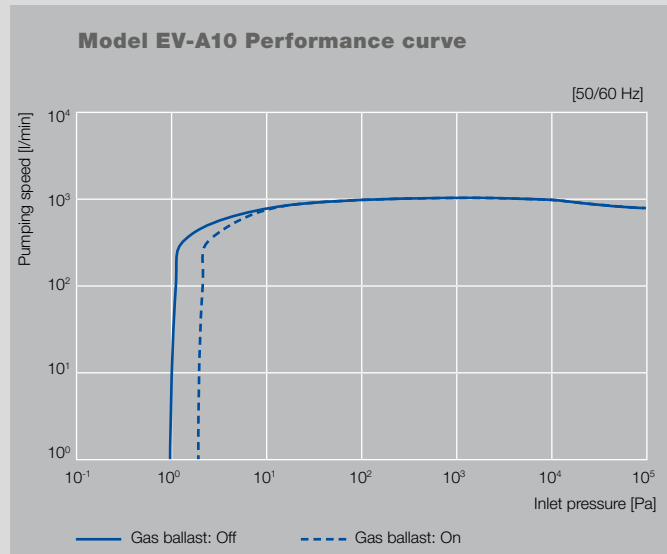
Model	Detail		
	Phase/Volt	Gas outlet	Remarks
EV-A10-2S	Single phase/200V	Side	For condensable gases
EV-A10-3S	3 Phase/200V	Side	For condensable gases

Specification summary

Model	Detail						
	Pumping speed			Ultimate pressure			
		[l/min]	[m ³ /h]			[Pa]	[mbar]
EV-A10	Max.	1,000	60	Gas ballast	Off	1.0	1.0x10 ⁻²
	At atm. press.	800	48		On	2.0	2.0x10 ⁻²

Specification

- Voltage 200–240 V (±10%, single phase)
- 500 g/h water vapour capacity
- Size WxLxH 317x544x344 mm
- Weight 75 kg
- Noise 59 dB(A)
- Power connector IEC 60320-C20
- I/O Sub D 15 Pin
- Air cooling
- Ambient operation temperature 5–40 °C
- Medium: air clean gas; not suitable for toxic, corrosive, explosive or particulate forming gases



Model EV-A10 in this leaflet is our model code.

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