

Multi-stage Roots Dry Vacuum Pump ESA70W-D



Technical Characteristics

- Engineered for applications in clean and light duty processes
- 3-lobe multi-stage Roots pump design preventing back streaming, especially of light gases such as H₂
- Main pump with booster pump integrated into one housing
- Low noise and low vibration
- Pressure shock resistant
- Dual voltage motor 208/400 V
- Intelligent control system incorporated
- 2-setpoint exhaust pressure switch available on demand as additional safety device for H₂ pumping



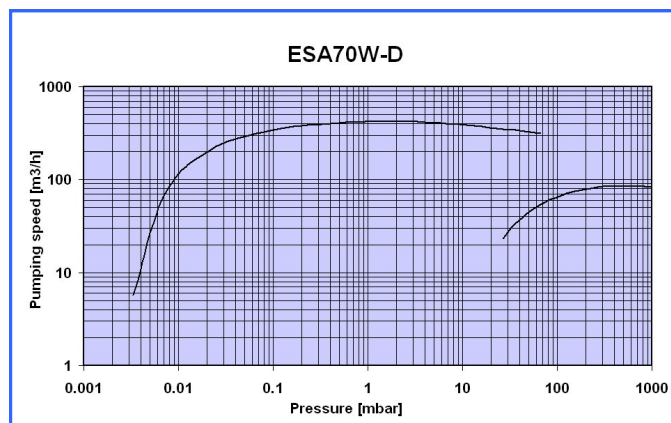
Customer Benefits

- Low media consumption compared to pumping speed
Good CoO
- Compact pump size
Easy integration in process tools
- Worldwide successful and well accepted for pumping of H₂ rich process gases
Best performance in H₂ processes
- Low noise level
User friendly
- Dual voltage motor
Cost savings in stock inventory
- Highly reliable due to EBARA's experience
Long lifetime

Ideally suited for pumping of H₂ rich process gases!

Specification

■ Max. pumping speed	420	m ³ /h
■ Ultimate pressure	2.7 x 10 ⁻³	mbar
■ Installed motor power	5.9	kW
■ Voltages ranges	200 - 220	V
	380 - 420	V
■ Cooling water	3.5 - 8	l/min
■ Nitrogen consumption in clean processes	14 - 16	slm
	2.1	slm
■ Size WxLxH	985 x 400 x 770	
■ Weight	380	kg
■ Noise	60	dB(A)
■ Ambient operation temperature	5 - 30	°C



ESA70W-D Pumping Curve

Our Services

EBARA Precision Machinery is a global, world-leading manufacturer of vacuum and gas abatement equipment as well as advanced technology products for front-end and back-end manufacturing. We are focused on the Semiconductor and Photovoltaic Applications and on further sophisticated Industries.

The Components division provides Vacuum Pumps, Waste Gas Treatment Systems as well as Total Turnkey Vacuum and Abatement Solutions. The Systems group provides Manufacturing Systems such as Chemical Mechanical Polishers and Electroplaters.

EBARA Precision Machinery Europe's reputation is based on proximity to the customer, fast responsiveness, complete service coverage and its full commitment to quality and customer satisfaction. Product reliability and robustness is also a key to our success.



The service offering includes:

- Installations
- Overhaul service
- Preventive and corrective maintenance
- Project planning and system engineering
- Training
- 7 days a week, 24 hours service contracts
- 24 hours on call service

The largest companies in the industry rely on EBARA's superior service coverage by sub-contracting installation, spare part exchange, full time preventive and corrective maintenance and data evaluation to our local service offices.

In Europe – our overhaul centre in Livingston/Scotland with a capacity of 800 pumps a year is fully equipped with the most advanced facilities and tools to provide fast failure analysis, decontamination and repair of dry, turbo molecular and cryo pumps.

Branch Offices

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