



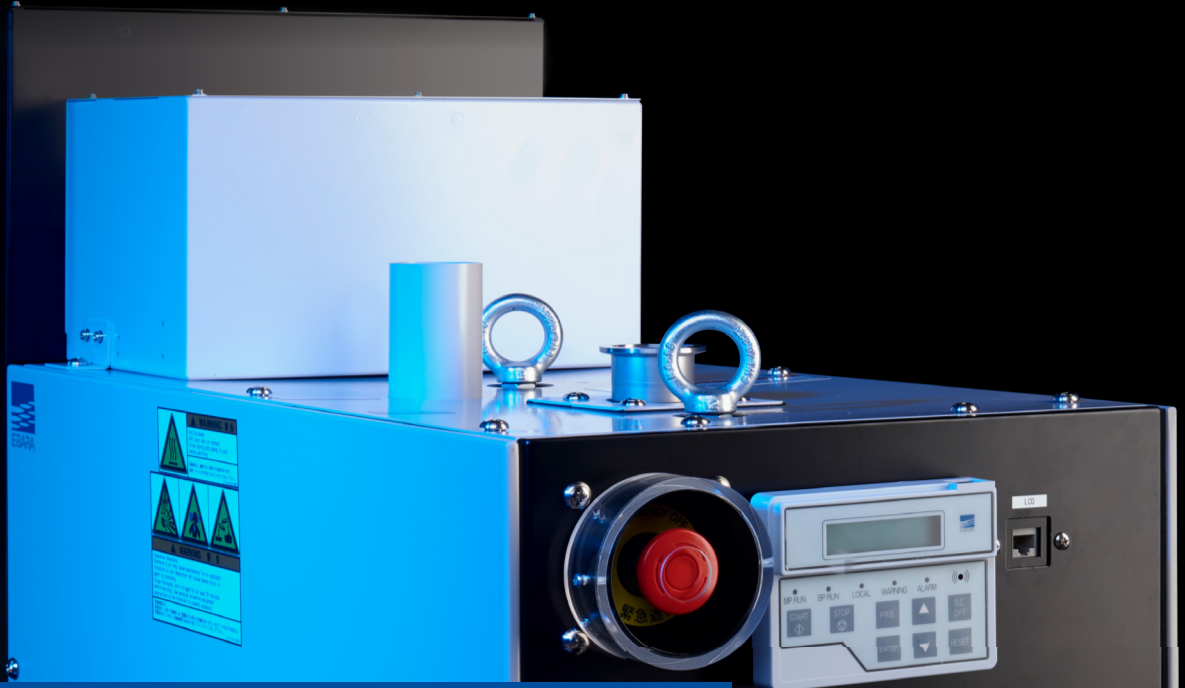
SEMICONDUCTOR



GENERAL  
VACUUM



PHOTOVOLTAIC



EV - M

# THE FLEXIBLE STRONG

Water cooled EV-M for harsh processes  
and reduced emissions



The EV-M with its multi-stage lobe design is ideally used for harsh duty applications. It has a higher H2 pumping speed compared to screw type vacuum pumps. Additional energy savings due to the idle mode. Powerful with low energy demands.

## BENEFITS

- High energy saving
- At point heating
- Multi-stage lobe design
- High flexibility
- Intelligent control system
- Small footprint to save fab space



Models	EV-M20N	EV-M102N	EV-M202N	EV-M302N	EV-M502N	EV-M802N	EV-M1205N	
Pumping speed in l/min	1,800	10,000	20,000	30,000	50,000	80,000	11,000	
Pumping speed in m <sup>3</sup> /h	110	600	1,200	1,800	3,000	4,800	6,600	
Ultimate pressure Pa/mbar	5/5e-2	0.5/5e-3	0.5/5e-3	0.5/5e-3	0.5/5e-3	0.5/5e-3	0.5/5e-3	
Power at ultimate pressure kW	1.2	1.8	1.9	2.3	2.1	2.8	5.3	
Cooling water flow l/min	3 - 8	3 - 8	3.5 - 8	4 - 8	5 - 8	5 - 8	5 - 8	
N2 purge flow Pam <sup>3</sup> /s	26 - 31	26 - 31	26 - 81	26 - 31	28 - 33	28 - 33	34 - 35	
Size in mm	L	863	883	913	1,003	1,068	1,193	1,333
	W	370	380	380	380	485	630	630
	H	525	827	827	905	945	1,105	1,119
Weight in kg	170	320	360	400	500	740	870	

All data without guarantee.

## APPLICATIONS FOR EV-M

HDP-CVD

LPCVD

SACVD

MOCVD

PECVD

RTP

ALD

## APPLICATIONS RANGE



**For further information, technical data or drawings please contact  [components@ebara-pm.eu](mailto:components@ebara-pm.eu)**

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EBARA Precision Machinery Europe (EPME) is part of the Japanese EBARA Group and employs approximately 150 people in Europe. The portfolio includes dry and turbo molecular vacuum pumps as well as gas abatement systems. In addition, EPME sells state-of-the-art CMP tools, wafer bevel polishing and substrate coating systems. In Europe, EPME has a central warehouse and an overhaul centre for vacuum pumps.

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