



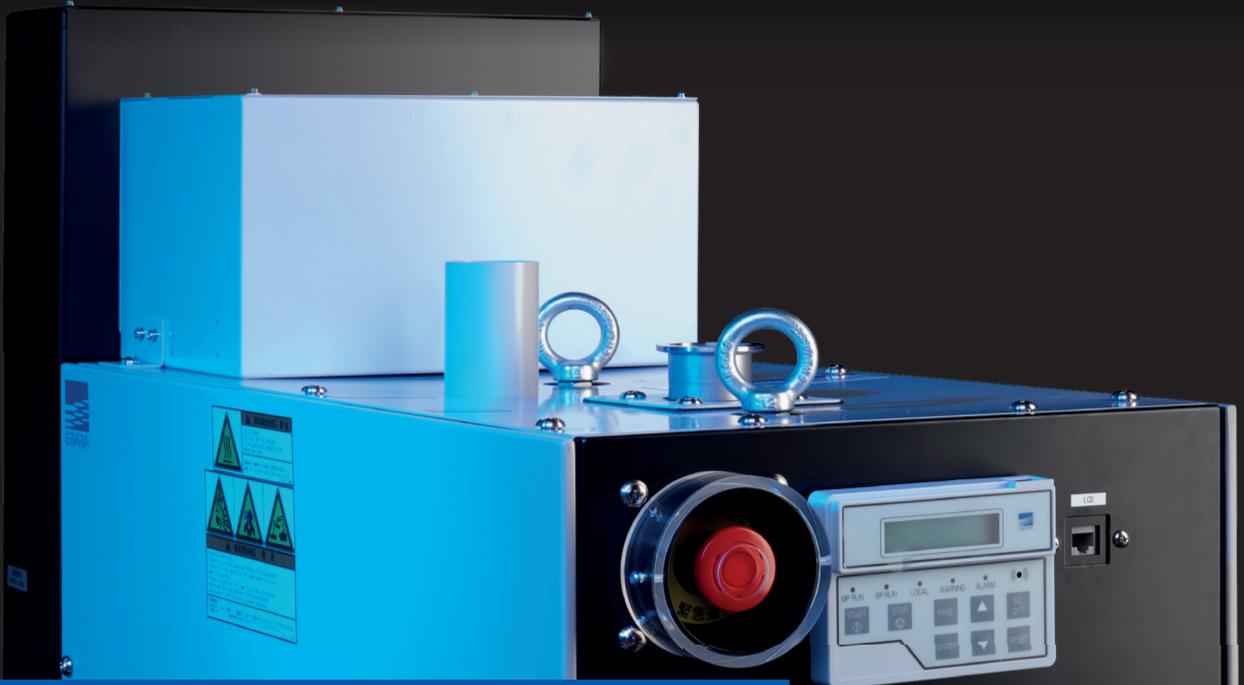
SEMICONDUCTOR



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 m³/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 Pam³/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



APPLICATIONS RANGE



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

EBARA is a worldwide leading global manufacturer of vacuum and semiconductor systems used in the production of wafers, liquid crystals, solar cells and other products requiring advanced technology.

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EBARA Precision Machinery Europe (EPME) is part of the Japanese EBARA Group and employs more than 200 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 two overhaul centres for vacuum pumps. EBARA is No 2 on the vacuum pumps and CMP tools world market and No 1 on the Wafer Bevel Polisher world market.

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