



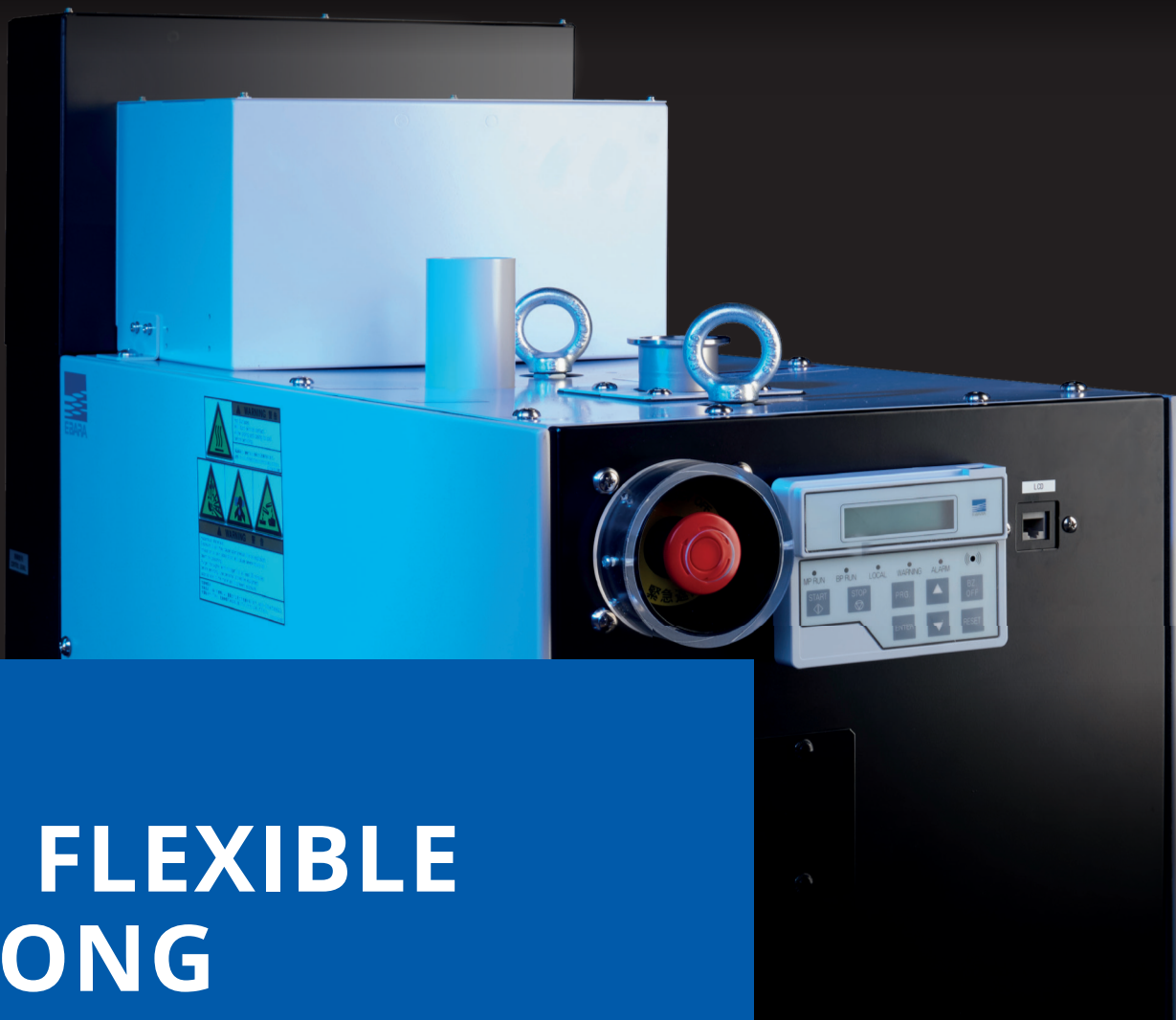
SEMICONDUCTOR



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

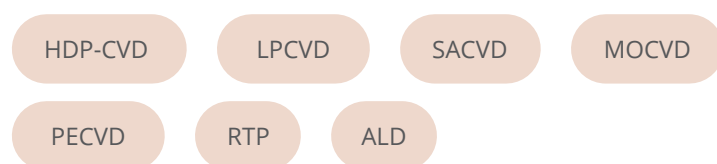
- High energy saving
- At point heating
- Multi-stage lobe design
- High flexibility
- Intelligent control system
- Small footprint to save fab space



| 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

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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United Nations
Global Compact



SUSTAINABLE
DEVELOPMENT
GOALS

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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