



SEMICONDUCTOR



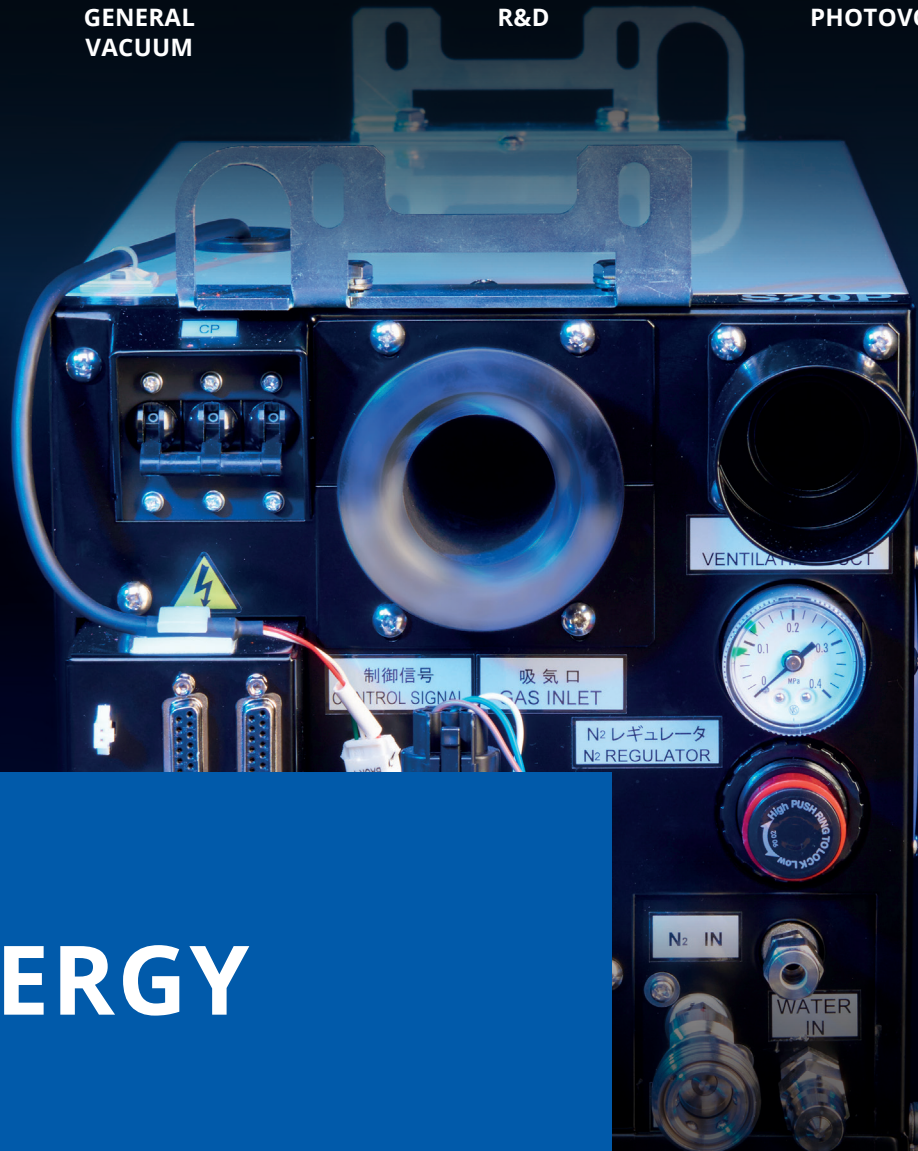
GENERAL  
VACUUM



R&D



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# EV-S THE ENERGY SAVER

EV-S dry vacuum pump for small dimensions and big energy savings



The EV-S has the lowest power consumption in its class. The flexible rotation speed and idle mode make their contribution to save energy. In clean applications no N<sub>2</sub> purge or nitrogen is required.

## BENEFITS

- Significantly reduced energy consumption
- Low operation costs
- High profitability
- Very small footprint



Models *		EV-S20	EV-S30	EV-S50	EV-S100	EV-S200
Pumping speed in l/min		1,670	3,300	5,000	10,000	20,000
Pumping speed in m <sup>3</sup> /h		100	198	300	600	1,200
Ultimate pressure Pa/mbar		5.0/5e-2	1.0/1e-2	0.5/5e-3	0.5/5e-3	0.5/5e-3
Power at ultimate pressure in kW		0.4	0,4	0.55	0.65	0.75
Cooling water flow l/min		1.5 - 3	1.5 - 3	2 - 3	2 - 3	2 - 3
N2 purge flow Pam <sup>3</sup> /s				17 - 20		
Size in mm	L	537	724	472	532	672
	W	230	250	230	260	275
	H	274	310	570	570	631
Weight in kg		60	90	100	120	170

All data without guarantee.

## APPLICATIONS FOR EV-S

- Load lock
- Transfer
- Etch
- CVD

## APPLICATIONS RANGE



\* All models are available in "N" and "P" version  
 N = with Nickel alloy  
 P = Nitrogen purge module

**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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