



SEMICONDUCTOR



GENERAL
VACUUM



PHOTOVOLTAIC



EST THE HIGH SPEED

Water-cooled EST dry vacuum pump
for powdery, corrosive applications



The EST is qualified for harsh applications generating reactive chemical by-products. It manages high gas loads and enhanced powdery by-product handling. The compact design allows high operating temperature and corrosion resistant material.

BENEFITS

- High operating temperature
- High gas loading stability
- Flexible gas throughput



Models		EST10N	EST25N	EST100WN	EST200WN	EST300WN	EST500WN
Pumping speed in l/min		1,000	2,500	10,000	20,000	30,000	50,000
Pumping speed in m³/h		60	150	600	1,200	1,800	3,000
Ultimate pressure Pa/mbar		2.7/2.7e-2	2.7/2.7e-2	0.4/4e-3	0.4/4e-3	0.4/4e-3	0.4/4e-3
Power at ultimate pressure in kW		2.3	3.0	3.2	3.2	4.5	4.6
Cooling water flow l/min		5 - 8					
N2 purge flow Pam³/s		13 - 18	13 - 18	24 - 29	24 - 29	28 - 31	28 - 31
Size in mm	L	1,100	1,140	1,100	1,100	1,140	1,140
	W	410	410	410	410	520	520
	H	735	742	922	922	948	948
Weight in kg		260	300	380	430	500	550

All data without guarantee.

APPLICATIONS FOR EST



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.

EBARA supports



United Nations
Global Compact



EBARA Precision Machinery Europe (EPME) is part of the Japanese EBARA Group and employs about 230 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 best-in-class on the vacuum pumps and CMP tools world market and No 1 on the wafer bevel polisher world market.

EBARA Precision Machinery Europe GmbH • Headquarters
Am Promigberg 20, 01108, Germany • info@ebara-pm.eu

