



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

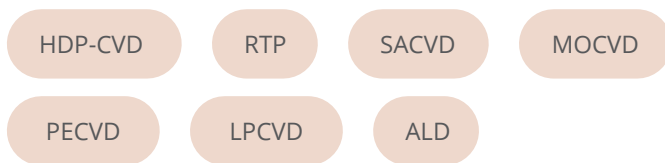
- High operating temperature
- High gas loading stability
- Flexible gas throughput



| 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 m ³ /h | 60 | 150 | 600 | 1,200 | 1,800 | 3,000 | |
| Ultimate pressure Pa/mbar | 2.7/2.7e-2 | 2.7/2.7e-2 | 0.53/5.3e-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 Pam ³ /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



EBARA Precision Machinery Europe (EPME) is part of the Japanese EBARA Group and employs approximately 170 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 world market for CMP tools and vacuum pumps.

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