



SEMICONDUCTOR



GENERAL  
VACUUM



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# ESA THE ONE FOR TWO

Water-cooled dry vacuum pump for  
hydrogen processing and large volumes



The ESA is ideally suited for light to medium duty applications for hydrogen or light gas processing. Also it is capable to quickly pump down large volume chambers for harsh special applications. The perfect choice for both conditions.

## BENEFITS

- Best in class hydrogen pumping speed
- Very robust & compact
- Lobe style booster pump



Models		ESA25-D	ESA70W-D	ESA80W-D	ESA100W-D	ESA200W	ESA300W	ESA500W	ESA700W
Pumping speed in l/min		3,000	7,000	8,400	10,000	20,000	28,000	47,000	80,000
Pumping speed in m³/h		180	420	504	600	1,200	1,680	2,820	4,800
Ultimate pressure Pa/mbar		4/4e-2	0.27/2.7e-3	0.13/1.3e-3	0.13/1.3e-3	0.53/5.3e-3	0.53/5.3e-3	1/1e-2	0.5/5e-3
Power at ultimate pressure kW*		3.7	7.4	7.4	7.4	3.2	6.6	5.1	7.4
N2 purge flow Pam³/s		17 - 20	24 - 27	54 - 57	54 - 57	17 - 20	7.5 - 10.5	8.5 - 11	8.5 - 11
Size in mm	L	1,074	1,060	1,094	1,094	970	1,110	1,110	1,320
	W	394	400	400	400	400	620	620	690
	H	520	820	820	820	835	985	1,045	1,160
Weight in kg		240	380	400	400	410	700	750	1,200

\* rated motor power

All data without guarantee.

## APPLICATIONS FOR ESA

Hydrogen enriched applications

FPD & LCD process

High content of light process gases

Large volumes

## 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.

EBARA supports



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 world market for CMP tools and vacuum pumps. And No 1 on the world market for wafer bevel polishers.

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