



Ebara ESR80WN

Technical Specifications

				ESR80W	ESR80WN	
Pumping Speed ^{※1}		L/min		4000~8500		
Ultimate Pressure ^{※1}		Pa		0.5	0.2	
Port Diameter	Inlet			NW50		
	Outlet			NW40		
Approx Power at ultimate Pressure (Max Power)		kW		0.8~1.0 (5.2)		
Utilities	Cooling Water	Flow Rate	L/min	2~8		
		Temperature	°C	<30		
	Nitrogen	Approx Flow Rate (Std) ^{※2} [in the Dil N ₂ 0 mode]	Pa·m ³ /s		19~22 [3.4]	
		Connection			φ50mm×L50mm	
	Ventilating Duct ^{※3}	Pressure	Pa		-196	
		Approx Flow Rate	m ³ /min		0.5	
Approx. Weight		kg		170	180	
Power Supply	Phase / Voltage / (Frequency)			3Phase / 200-220V / 380-440V / 440-460V (50/60Hz)		
	Power Capacity		kVA	7.0		

※1 : Pumping speed and ultimate pressure with standard N₂ flow rate listed above.

Ultimate pressure shows base pressure at maximum rotation speed.

※2 : Operation without N₂ purge (dilution N₂ and seal at 0 Pa·m³/s) is available for Model ESR20N.

※3 : The ambient temperature at the installation site shall be 30°C or lower.



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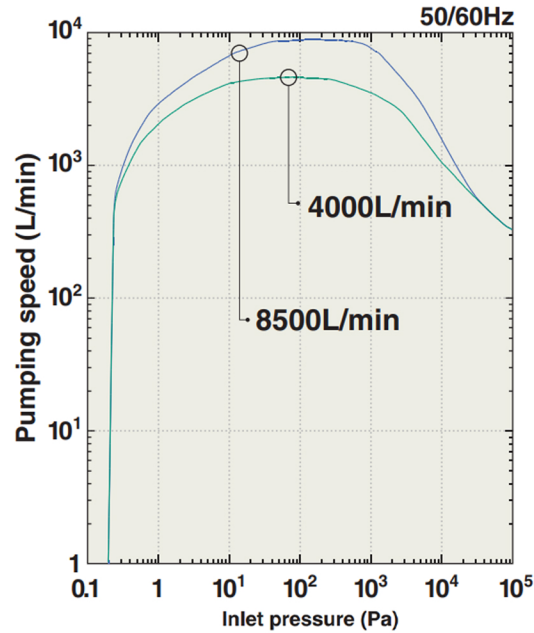
SALES

PHONE: 831-462-8900

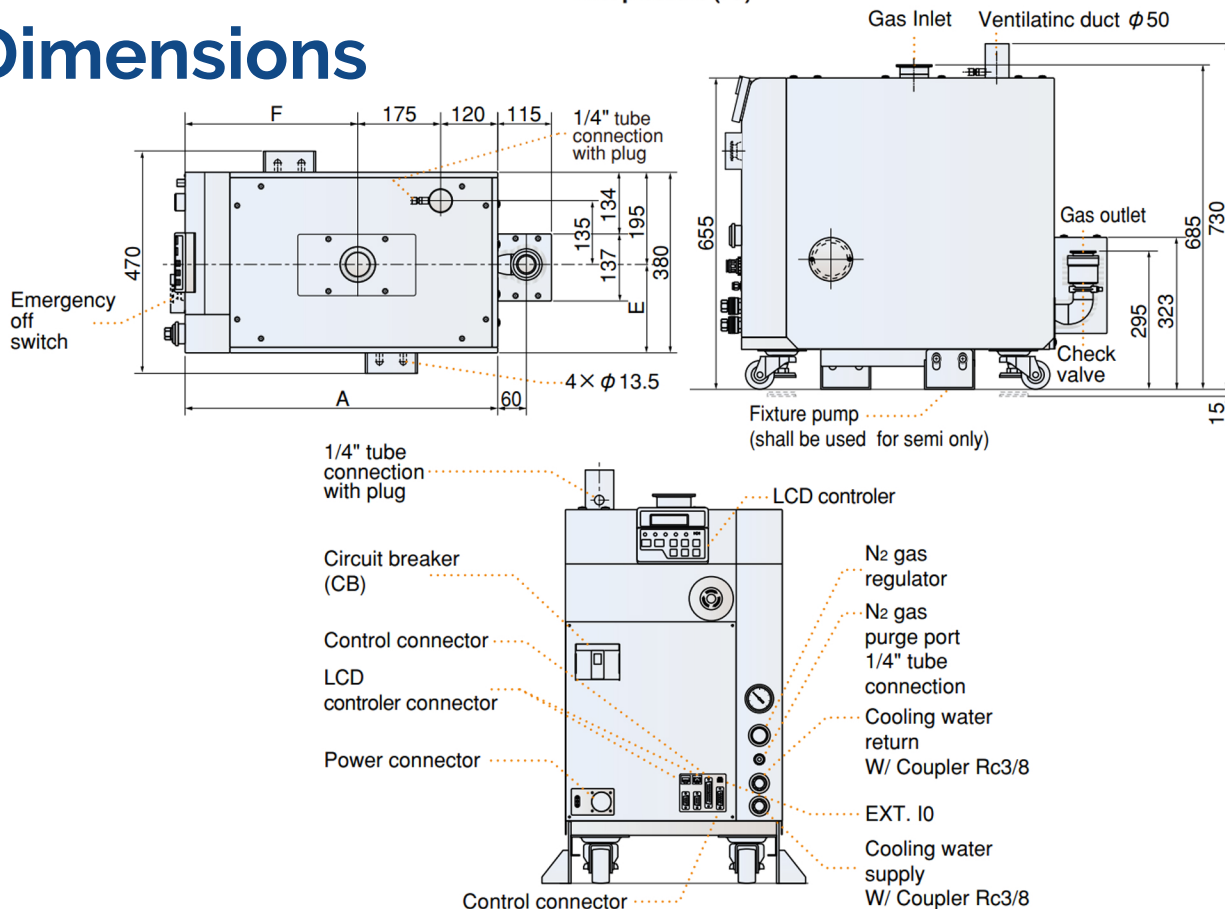
FAX: 831-462-3536

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Ebara ESR80WN Pumping Curves



Dimensions





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Features & Benefits

- decreased size & footprint
- reduced power consumption
- ideal configuration especially for corrosive gas applications
- digital & analog signal available for flexible interface
- sensitive control with latest microprocessor technology
- advanced data storage capability
- easy replacement of LCD controller during pump operation

Applications

- SEM • load lock • metal PVD • dielectric etch • ion implant • ashing
- epitaxy • sputtering • clean gases & processes

