



Agilent Vaclon Plus 1000

Technical Specifications

	Diode	StarCell
Saturated pumping speed for Nitrogen*	1100 L/s	900 L/s
Saturated pumping speed for Argon*		585 L/s
Operating life at 1E ⁻⁶ mbar for Nitrogen	50000 hours	80000 hours
Recommended maximum baking pressure with ion pump on	5 x 10 ⁻⁶ mbar	
Protect current	200 mA	
Maximum operating voltage	+7000 Vdc +/- 10%	-7000 Vdc +/- 10%
Recommended starting pressure	≤1 x 10 ⁻⁵ mbar	≤1 x 10 ⁻⁴ mbar
Ultimate pressure	10 ⁻¹¹ mbar	
Inlet flange	12" CFF (NW250) AISI 304 ESR or 316LN ESR	
Internal volume	136 litres	
Temperature limits:		
Pump without magnets	450 C°	
Pump with magnets	350 C°	
HV cable	220 C°	
Material	Body	AISI 304L
	Cathodes	Titanium
	Anodes	AISI 304L
	Magnets	Ferrite (Ceramic 8)
	Pole piece	Iron
Weight without heaters	lbs (kg)	585 (265)

* Tested according to ISO/DIS 3556-1-1992



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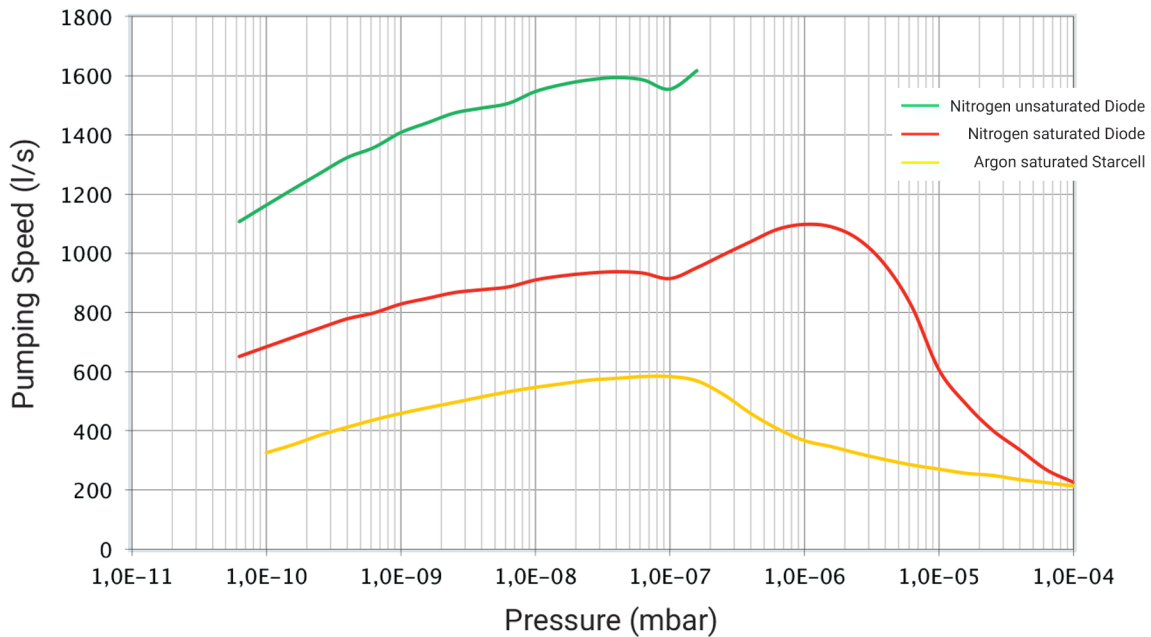
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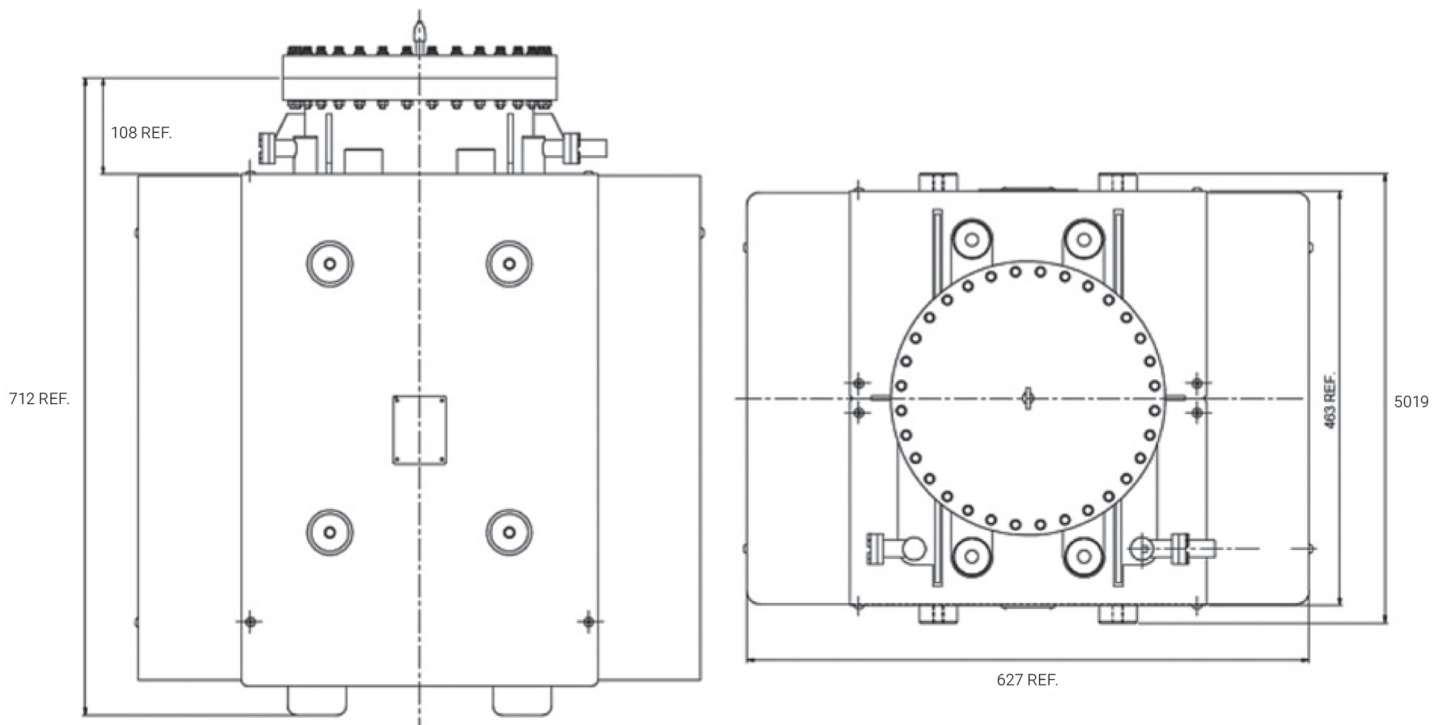
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Agilent Vaclon Plus 1000 Pumping Curves



Dimensions





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Agilent Vaclon Plus 1000 Features & Benefits

- proven quality
- noncontaminating technology
- vibration-free
- long operational life
- radiation resistant
- low cost of ownership

Applications

- gravitational wave study & detection
- large vacuum chambers
- space simulation
- research centers
- laboratories

