



Agilent Vaclon Plus 20, 40

Technical Specifications

	Vaclon Plus 20			Vaclon Plus 40		
Inlet flange	2 3/4" OD CFF (NW 35)			2 3/4" OD CFF (NW 35)		
Element type	Star Cell	Noble Diode	Diode	Star Cell	Noble Diode	Diode
Pumping speed (l/s) (saturated pump at 1 ⁻⁶ mbar) Nitrogen	20	22	27	34	36	40
Operating life (hours) (at 1 ⁻⁶ mbar)	80,000	50,000	50,000	80,000	50,000	50,000
Maximum starting pressure (mbar)	<10 ⁻²	<10 ⁻³	<10 ⁻³	<10 ⁻²	<10 ⁻³	<10 ⁻³
Maximum baking temperature (°C)	350	350	350	350	350	350
Weight kg (lbs)	Net 7 (15) Shipping 11 (24)			Net 17 (37) Shipping 21 (46)		
SEM version available on request	+			+		





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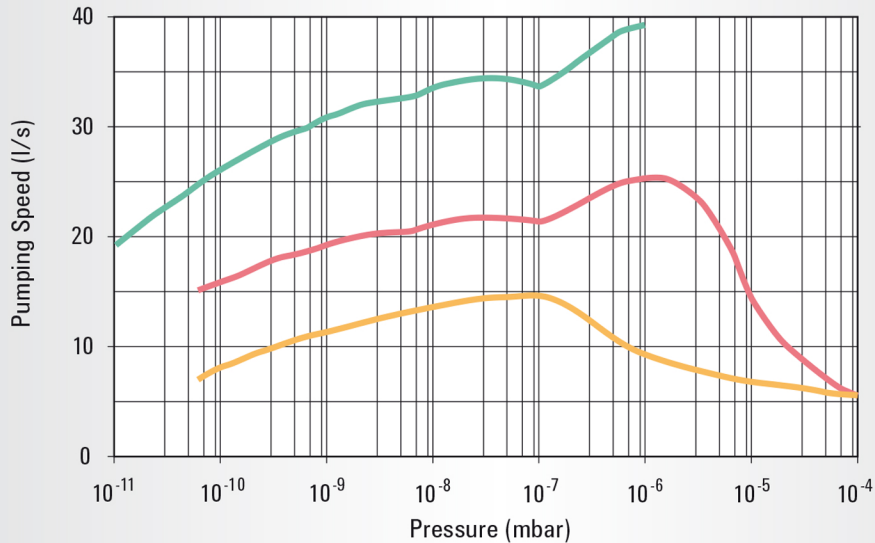
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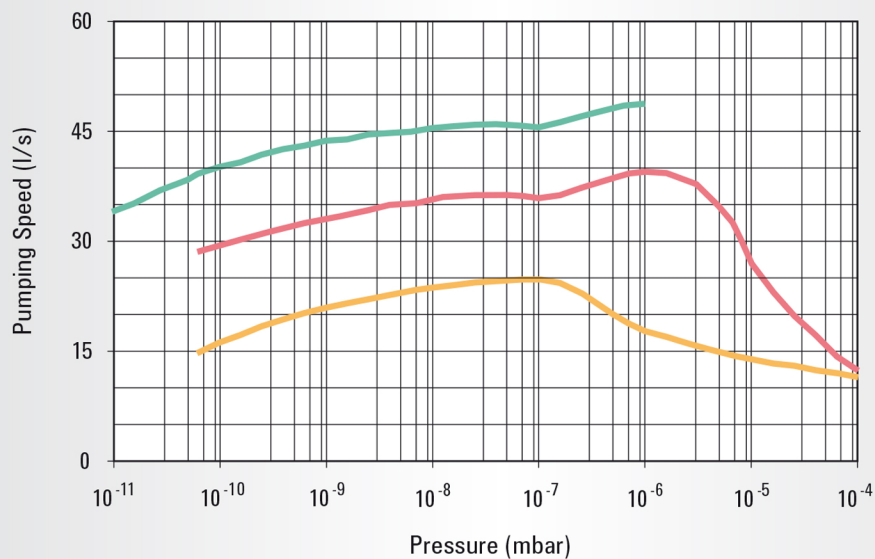
Agilent Vaclon Plus 20, 40 Pumping Curves

Vaclon Plus 20 - Pumping Speed vs Pressure



— Nitrogen unsaturated Diode — Nitrogen saturated Diode — Argon saturated StarCell

Vaclon Plus 40 - Pumping Speed vs Pressure



— Nitrogen unsaturated Diode — Nitrogen saturated Diode — Argon saturated StarCell



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Features & Benefits

- optimized to maximize discharge intensity & pumping speed
- specially designed ceramic insulators prevent buildup
- feedthroughs eliminate corrosion & unintentional extraction
- cables have HV Safety Interlock to prevent electrical shock
- 3 pumping elements available: diode / noble diode / StarCell
- small footprint for easier system integration
- dedicated magnetic stray shields
- Agilent's patented anode design uses contoured cells & simplified electrical elements

Applications

- electron microscopy • research & development • mass spectrometry
- nanotechnologies • industrial vacuum processes

Dimensions

