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Agilent Vaclon Plus 200

Technical Specifications

	Noble Diode	Diode	StarCell
Saturated pumping speed for Nitrogen (*) (l/s)	185	200	180
Saturated pumping speed for Argon (*) (l/s)	60	--	63
Operating life at 1E-6 mbar of Nitrogen (hours)	50000	50000	80000
Suggested maximum baking pressure with ion pump on (mbar)	5E-6		
Protect current	50 mA		
Operating voltage (max)	+7000 Vdc +/- 10 %	-7000 Vdc +/- 10 %	
Suggested starting pressure (mbar)	≤ 1E-5	≤ 1E-4	
Ultimate pressure (mbar)	1E-11		
Inlet flange	8" CFF (NW 160) AISI 304 ESR		
Internal volume (litres)	12.2	14	
Temperature limits (°C):			
Pump with magnets		350	
Pump without magnets		450	
HV cable		220	
Material:	Body	AISI 304L	
	Cathodes	Titanium/ Tantalum	Titanium
	Anodes	AISI 304L	
	Magnets	Ferrite (Ceramic 8)	
	Pole piece	Iron	
Weight without heaters, lbs (kg)	99 (45)		112 (51)

(*)Tested according DIN28429; see also ISO/DIS 3556-1-1992 (draft ISO norm) for reference.



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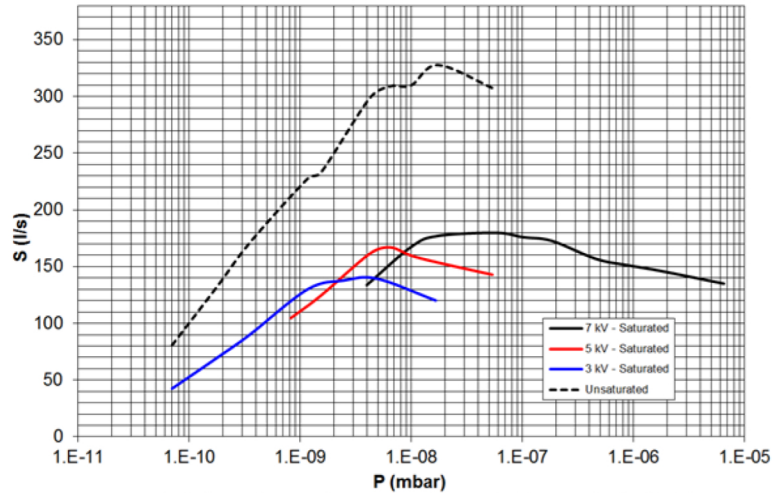
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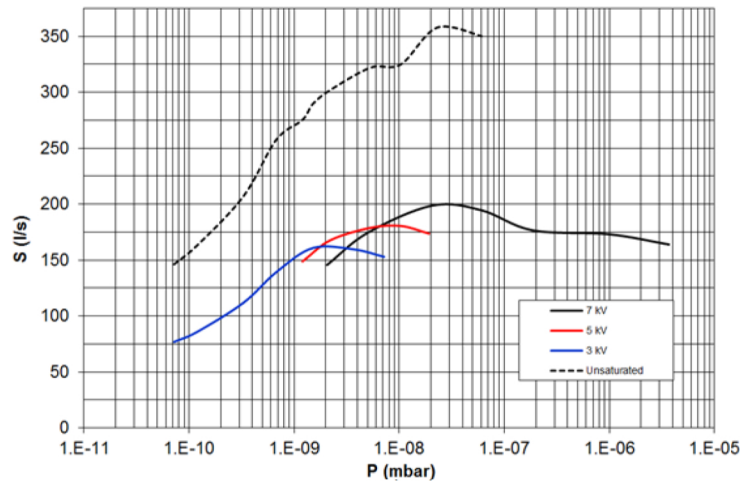
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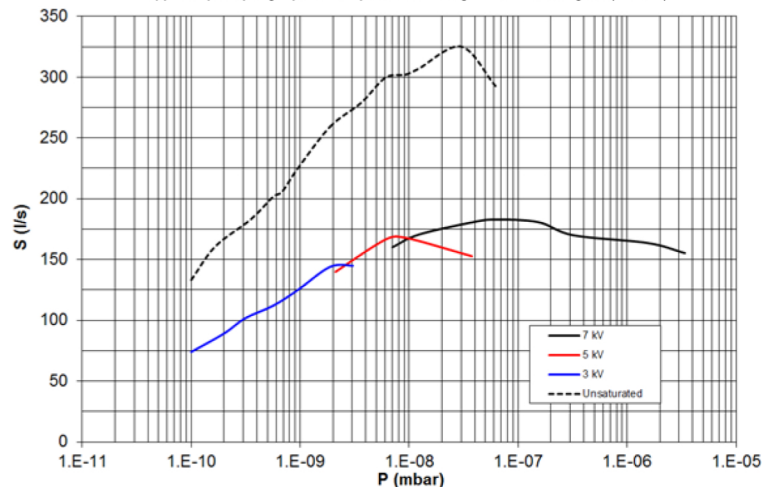
Agilent Vaclon Plus 200 Pumping Curves



Typical pumping speed vs pressure diagram for Nitrogen (Noble Diode).



Typical pumping speed vs pressure diagram for Nitrogen (Diode).



Typical pumping speed vs pressure diagram for Nitrogen (StarCell).



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Agilent Vaclon Plus 200 Dimensions

