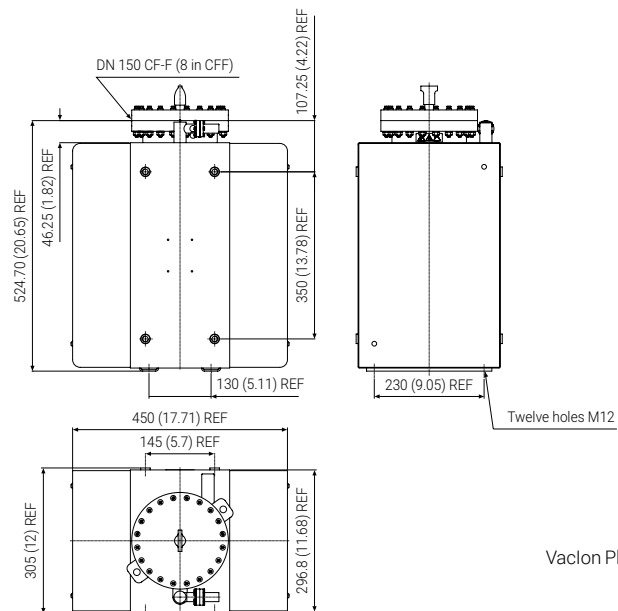
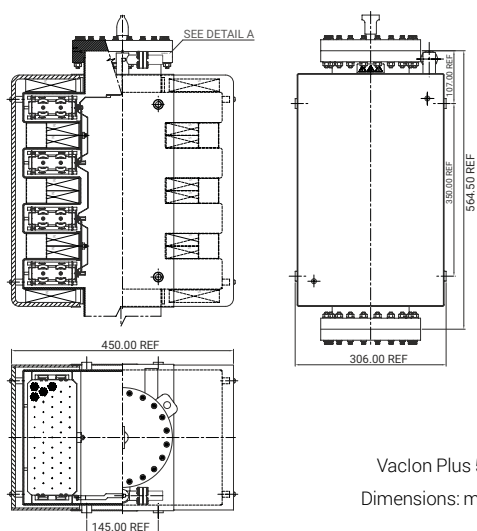


Vaclon Plus 500 pump



Vaclon Plus 500



Vaclon Plus 500 Double Ended
Dimensions: millimeters (inches)

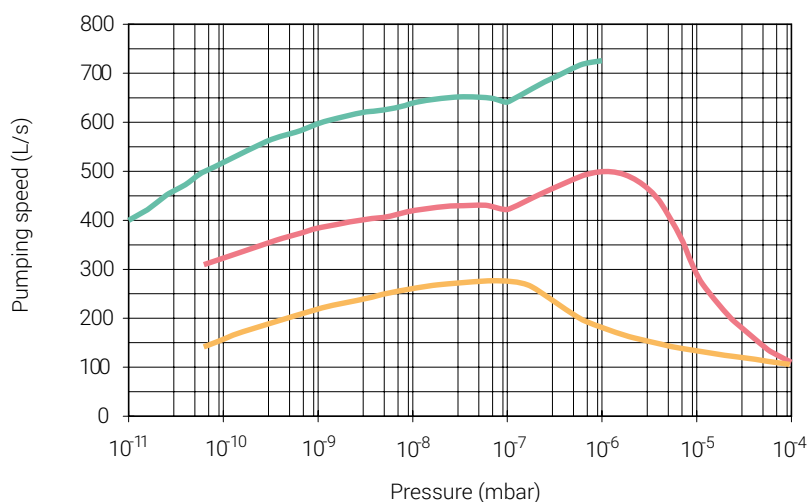
Customized designs available on request:
contact your local Agilent office for more details.

Technical Specifications

	StarCell	Noble Diode	Diode
Nominal pumping speed for nitrogen * (L/s)	410	440	500
Operating life at 1x10 ⁻⁶ mbar (h)	80,000	50,000	50,000
Maximum starting pressure (mbar)	≤ 5x10 ⁻²	≤ 1x10 ⁻³	≤ 1x10 ⁻³
Ultimate pressure (mbar)	Below 10 ⁻¹¹		
Inlet flange	DN 160 CF-F (8 in CFF) AISI 304 ESR		
Maximum baking temperature (°C)	Pump without magnets	450	
	Pump with magnets	350	
	HV cable	220	
Weight without heaters, kg (lb)	Net 120 (264); Shipping 138 (304)		
Internal volume (L)	36.2		
(*) Tested according to ISO/DIS 3556-1-1992			

Vaclon Plus 500 - Pumping speed vs pressure

- Nitrogen unsaturated Diode
- Nitrogen saturated Diode
- Argon saturated StarCell



Ordering Information

Description	Part number
Pumps	
Diode	9191710
Diode, with 120 V heaters installed	9191711
Diode, with 220 V heaters installed	9191712
Diode, double-ended	9191750
Diode, double-ended with 120 V heaters installed	9191751
Diode, double-ended with 220 V heaters installed	9191752
StarCell	9191740
StarCell, with 120 V heaters installed	9191741
StarCell, with 220 V heaters installed	9191742
StarCell, double-ended	9191780
StarCell, double-ended with 120 V heaters installed	9191781
StarCell, double-ended with 220 V heaters installed	9191782
Noble Diode	9191720
Noble Diode, with 120 V heaters installed	9191721
Noble Diode, with 220 V heaters installed	9191722
Noble Diode, double-ended	9191760
Agilent offers these pumps with the SHV 10 kV (SAFECONN) feedthrough option. Please contact Agilent or your local rep.	
4UHV controller*	
200 W neg	9299010
200 W pos	9299011
IPCMini controller*	
IPCMini, 100/240 V Fischer HV, neg	X3602-64000
IPCMini, 100/240 V Fischer HV, pos	X3602-64001

*Ion pump controllers (4UHV and IPCMini) are available in multiple configurations.

For a complete list of part numbers, please see 4UHV and IPCMini controllers sections: on Pages 68-71.

Description	Part number
HV cables	
HV cable, 4 m (13 ft), Fischer controller to Fischer pump side, bakeable, radiation resistant, with interlock	9290705
HV cable, 7 m (23 ft), Fischer controller to Fischer pump side, bakeable, radiation resistant, with interlock	9290707
HV cable, 10 m (33 ft), Fischer controller to Fischer pump side, bakeable, radiation resistant, with interlock	9290708
HV cable, 20 m (66 ft), Fischer controller to Fischer pump side, bakeable, radiation resistant, with interlock	9290709
Replacement parts	
HV pump feedthrough, Fischer, with interlock	9595125
Pumping element** Diode	9199040
Pumping element** Noble Diode	9199045
Pumping element* StarCell	9199030
Heaters***, 120 V, input power 780 W	9190077
Heaters***, 220 V, input power 780 W	9190076

**Quantity required: 4.

***To order replacement heaters or upgrade existing pumps, contact your local Agilent Vacuum Products representative.

Diode, Noble Diode	Positive
StarCell	Negative
Negative or positive? See more on page 70.	