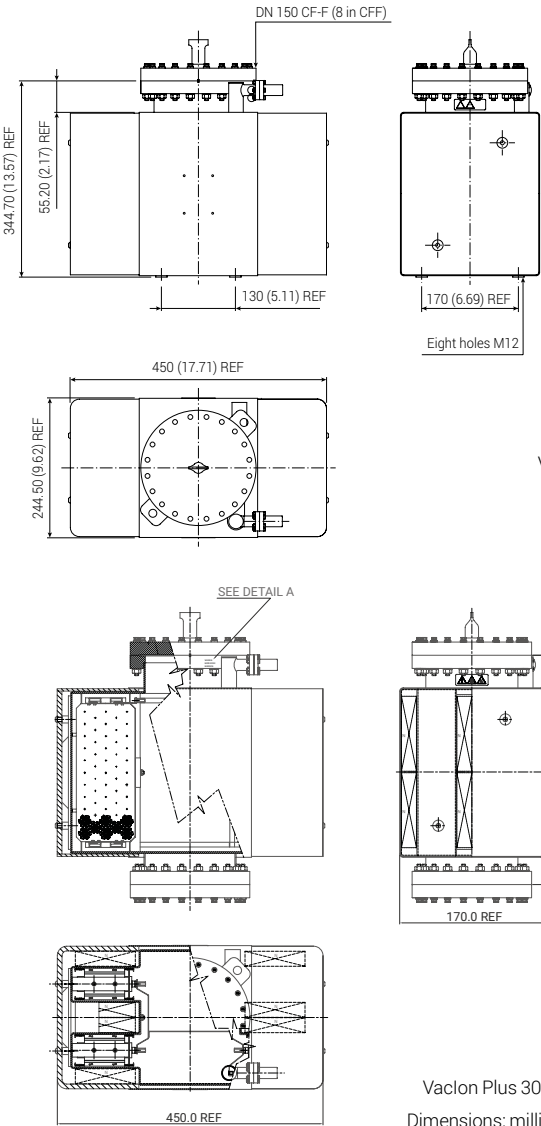


Vaclon Plus 300 pump



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



Vaclon Plus 300 Double Ended
Dimensions: millimeters (inches)

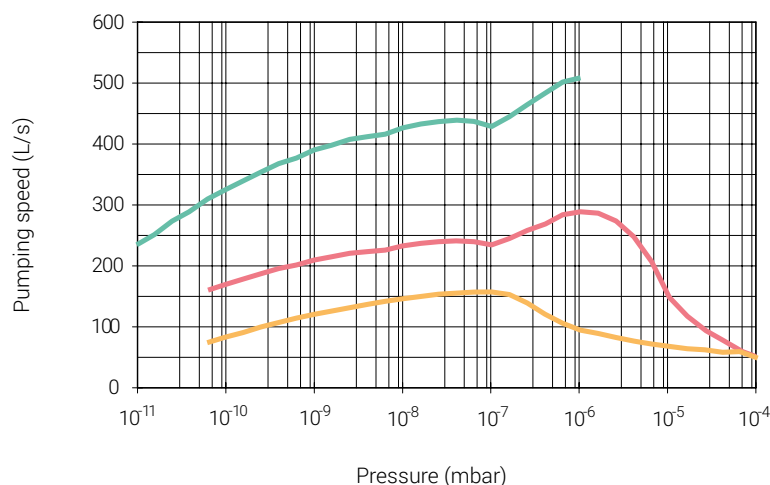
Technical Specifications

	StarCell	Noble Diode	Diode
Nominal pumping speed for nitrogen * (L/s)	240	260	300
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, kg (lb)	Net 69 (149); Shipping 94 (207)		
Internal volume (L)	18.6		

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

Vaclon Plus 300 - Pumping speed vs pressure

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



Ordering Information

Description	Part number
Pumps	
Diode	9191610
Diode, with 120 V heaters installed	9191611
Diode, with 220 V heaters installed	9191612
Diode, double-ended	9191650
Diode, double-ended with 120 V heaters installed	9191651
Diode, double-ended with 220 V heaters installed	9191652
StarCell	9191640
StarCell, with 120 V heaters installed	9191641
StarCell, with 220 V heaters installed	9191642
StarCell, double-ended	9191680
StarCell, double-ended with 120 V heaters installed	9191681
StarCell, double-ended with 220 V heaters installed	9191682
Noble Diode	9191620
Noble Diode, with 120 V heaters installed	9191621
Noble Diode, with 220 V heaters installed	9191622
Noble Diode, double-ended	9191660
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 580 W	9190075
Heaters**, 220 V, input power 580 W	9190074

*Quantity required: 4.

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

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