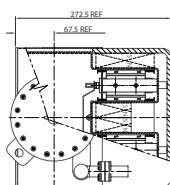
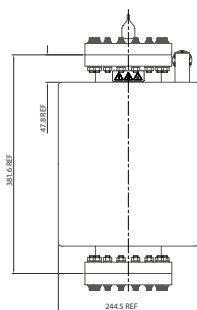
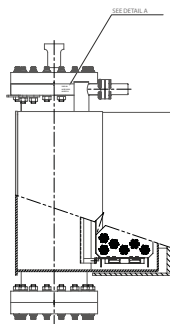
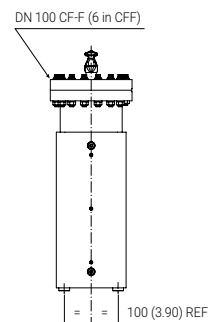
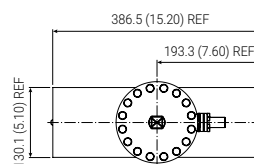
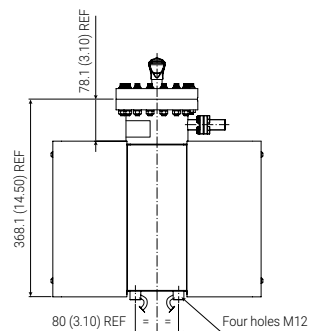


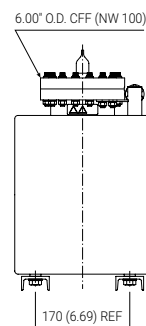
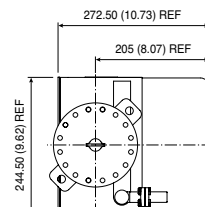
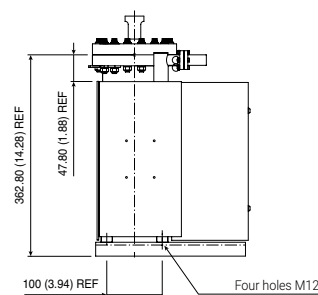
Vaclon Plus 150 pump



Vaclon Plus 150 Double Ended



Vaclon Plus 150 Slim Body



Vaclon Plus 150

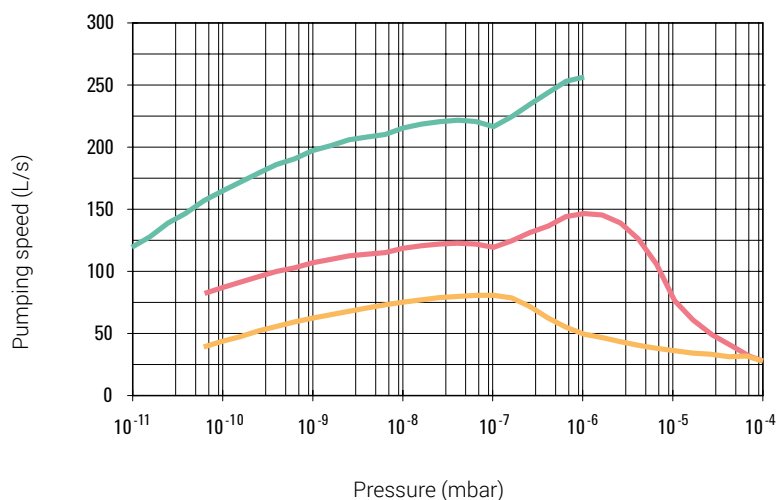
Dimensions: millimeters (inches)

Technical Specifications

	StarCell	Noble Diode	Diode
Nominal pumping speed for nitrogen (*) (v)	125	135	150
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 100 CF-F (6 in CFF) AISI 304 ESR		
Maximum baking temperature (°C)	Pump without magnets	450	
	Pump with magnets	350	
	HV cable	220	
Weight, kg (lb)	43 (94)		
Internal volume (L)	12.1		
(*) Tested according to ISO/DIS 3556-1-1992			
Customized designs available on request			

Vaclon Plus 150 - Pumping speed vs pressure

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



Ordering Information

Description	Part number
Pumps	
Diode	9191510
Diode, with 120 V heaters installed	9191511
Diode, with 220 V heaters installed	9191512
Diode, double-ended	9191550
Diode, double-ended with 120 V heaters installed	9191551
Diode, double-ended with 220 V heaters installed	9191552
StarCell	9191540
StarCell, with 120 V heaters installed	9191541
StarCell, with 220 V heaters installed	9191542
StarCell, double-ended	9191580
StarCell, double-ended with 120 V heaters installed	9191581
StarCell, double-ended with 220 V heaters installed	9191582
Diode, "slim body"	9191510M004
Diode, "slim body" with 120 V heaters installed	9191511M003
Diode, "slim body" with 220 V heaters installed	9191512M008
StarCell, "slim body"	9191540M012
StarCell, "slim body" with 120 V heaters installed	9191541M003
StarCell, "slim body" with 220 V heaters installed	9191542M010
Noble Diode	9191520
Noble Diode, double-ended	9191560
Noble Diode, double-ended with 120 V heaters installed	9191561
Noble Diode, double-ended with 220 V heaters installed	9191562
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

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 feedthrough with interlock	9595125
Pumping element* for Diode	9199040
Pumping element* for Noble Diode	9199045
Pumping element* for StarCell	9199030
Heaters**, 120 V, input power 480 W	9190073
Heaters**, 220 V, input power 480 W	9190072
Heaters for Slim versions cannot be sold separately	

* Quantity required: 2.

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

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

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

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