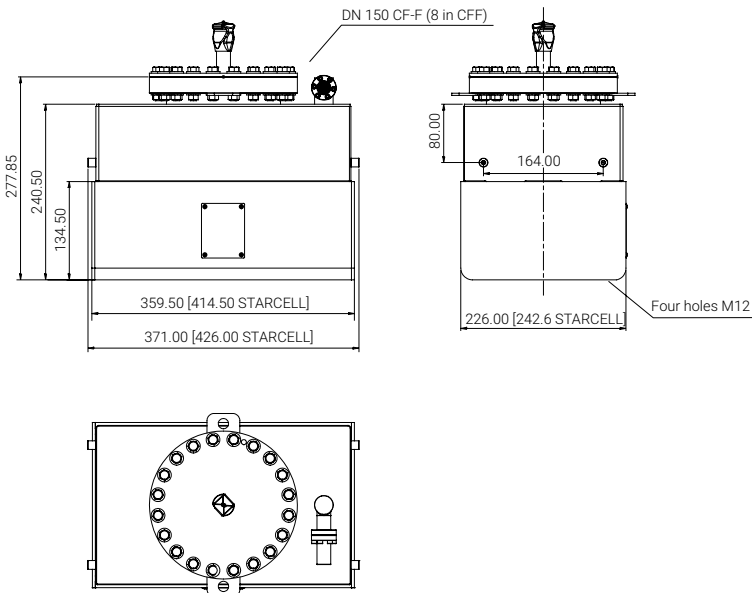


Vaclon Plus 200 pump



Dimensions: millimeters (inches)

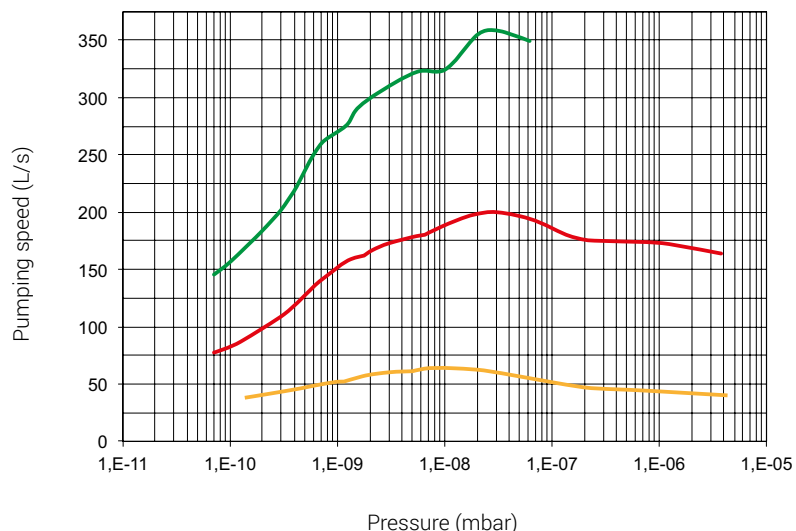
Technical Specifications

	StarCell	Noble Diode	Diode
Nominal pumping speed for nitrogen (*) (L/s)	180	185	200
Nominal pumping speed for argon (*) (L/s)	63	60	
Operating life at 1x10 ⁻⁶ mbar of nitrogen (h)	80,000	50,000	50,000
Protect current	50 mA	50 mA	50 mA
Maximum starting pressure (mbar)	≤ 5x10 ⁻²	≤ 1x10 ⁻³	≤ 1x10 ⁻³
Ultimate pressure (mbar)	10 ⁻¹¹	10 ⁻¹¹	10 ⁻¹¹
Inlet flange	DN 160 CF-F (8 in CFF) AISI 304 ESR		
Internal volume (L)	14	12.2	12.2
Maximum Baking temperature (°C)	Pump without magnets	450	
	Pump with magnets	350	
	HV cable	220	
Weight without heaters, kg (lb)	Net 51 (112), Shipping 59 (130)	Net 45 (99); shipping 53 (117)	Net 45 (99); shipping 53 (117)

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

Vaclon Plus 200 - Pumping speed vs pressure

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



Ordering Information

Description	Part number
Pumps	
Diode	X3601-64000
Diode, with 120 V heaters installed	X3601-64002
Diode, with 220 V heaters installed	X3601-64004
Diode, with side port DN 40 CF-F (2.75 in CFF)	X3601-64001
Diode, with side port DN 40 CF-F (2.75 in CFF), 120 V heaters installed	X3601-64003
Diode, with side port DN 40 CF-F (2.75 in CFF), 220 V heaters installed	X3601-64005
StarCell	X3601-64040
StarCell, with 120 V heaters installed	X3601-64042
StarCell, with 220 V heaters installed	X3601-64044
StarCell with side port DN 40 CF-F (2.75 in CFF)	X3601-64041
StarCell, with side port DN 40 CF-F (2.75 in CFF), 120 V heaters installed	X3601-64043
StarCell, with side port DN 40 CF-F (2.75 in CFF) and 220 V heaters	X3601-64045
Agilent offers these pumps with the SHV 10kV (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.	
Diode, Noble Diode	Positive
StarCell	Negative
Negative or positive? See more on page 70.	

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
Heaters, 120 V (2/pk), Diode	X3601-68003
Heaters, 220 V (2/pk), Diode	X3601-68004
Heaters, 120 V, for side port version (2/pk), Diode	X3601-68007
Heaters, 220 V, for side port version (2/pk), Diode	X3601-68008
Heaters, 120 V (2/pk), StarCell	X3601-68005
Heaters, 220 V (2/pk), StarCell	X3601-68006
Heaters, 120 V, for side port version (2/pk), StarCell	X3601-68009
Heaters, 220 V, for side port version (2/pk), StarCell	X3601-68010
* To order replacement heaters or upgrade existing pumps, please contact your local Agilent Vacuum Products representative.	