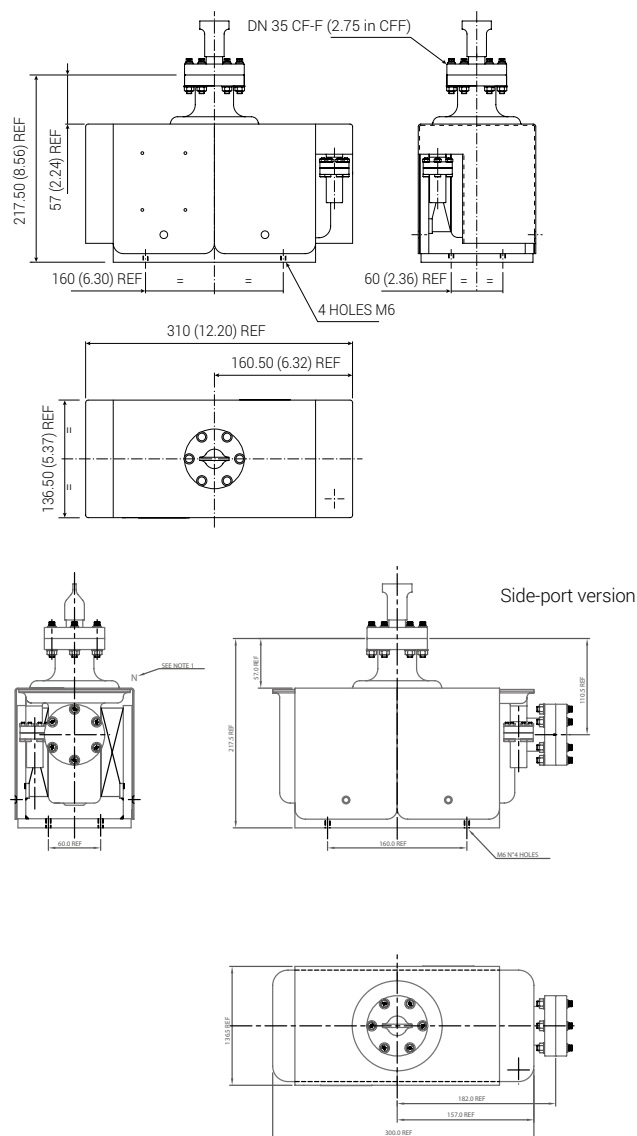


Vaclon Plus 40 pump



Dimensions: millimeters (inches)

SEM pump version, particle shield version,
and customized designs are available.
Contact your local Agilent office for more details.

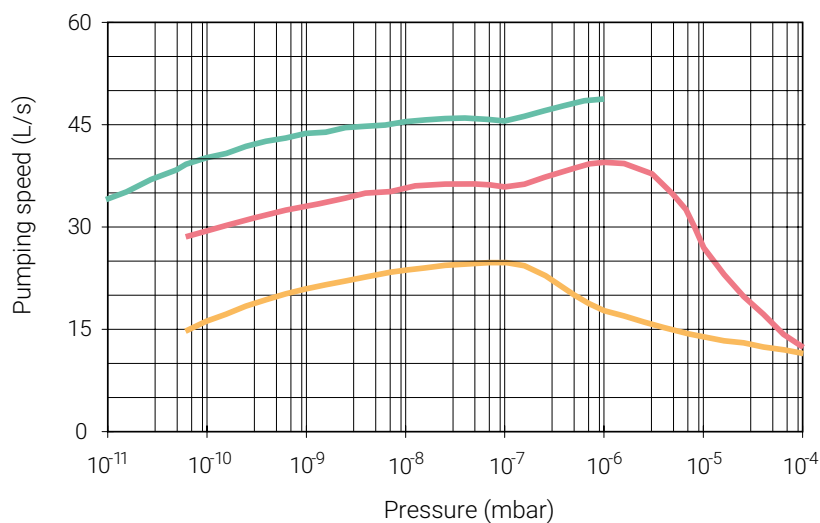
Technical Specifications

	StarCell	Noble Diode	Diode
Nominal pumping speed for nitrogen (*) (L/s)	34	36	40
Operating life at 1×10^{-6} mbar (hours)	80,000	50,000	50,000
Maximum starting pressure (mbar)	$\leq 5 \times 10^{-2}$	$\leq 1 \times 10^{-3}$	$\leq 1 \times 10^{-3}$
Ultimate pressure (mbar)	Below 10^{-11}		
Inlet flange	DN 40 CF-F (2.75 in CFF) AISI 304 ESR SST		
Maximum baking temperature (°C)	Pump without magnets	450	
	Pump with magnets	350	
	HV cable	220	
Weight, kg (lb)	Net 17 (37), Shipping 21 (46)		

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

Vaclon Plus 40 - Pumping speed vs pressure

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



Ordering Information

Description	Part number
Pumps	
Diode with Ferrite magnets	9191210
Diode with Ferrite magnets and DN 40 CF-F (2.75 in CFF) side-port*	9191213
Diode without magnets	9191214
StarCell with Ferrite magnets	9191240
StarCell with Ferrite magnets and DN 40 CF-F (2.75 in CFF) side-port*	9191243
StarCell without magnets	9191244
Noble Diode with Ferrite magnets	9191220
Noble Diode without magnets	9191224
Agilent offers these pumps with the SHV 10 kV (SAFECONN) feedthrough option.	
For further information, 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
* Side port non rotatable.	
**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.	

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, input power 250 W	9190071
Heaters*, 220 V, input power 250 W	9190070

* 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.	