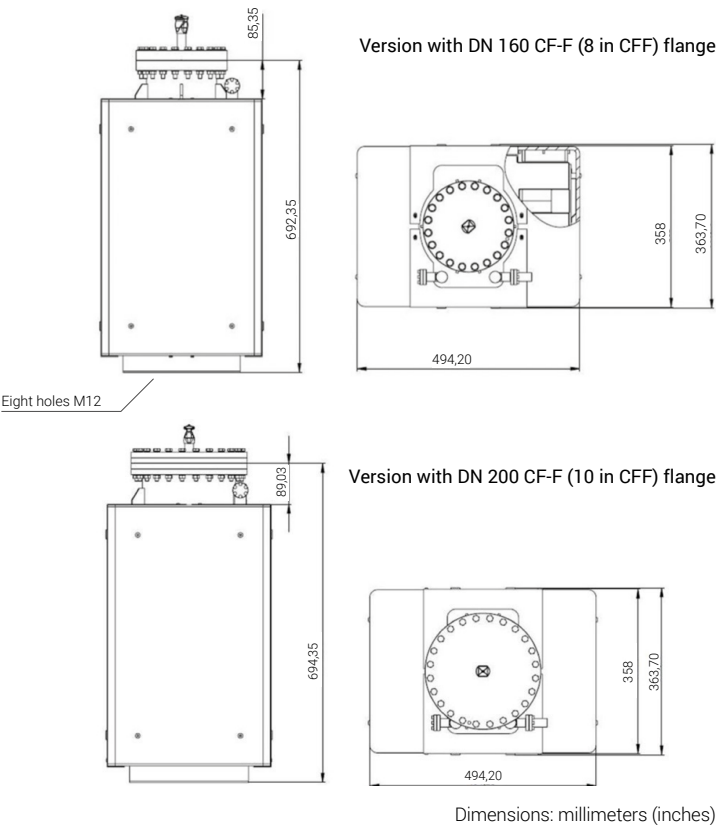


Vaclon Plus 800 pump



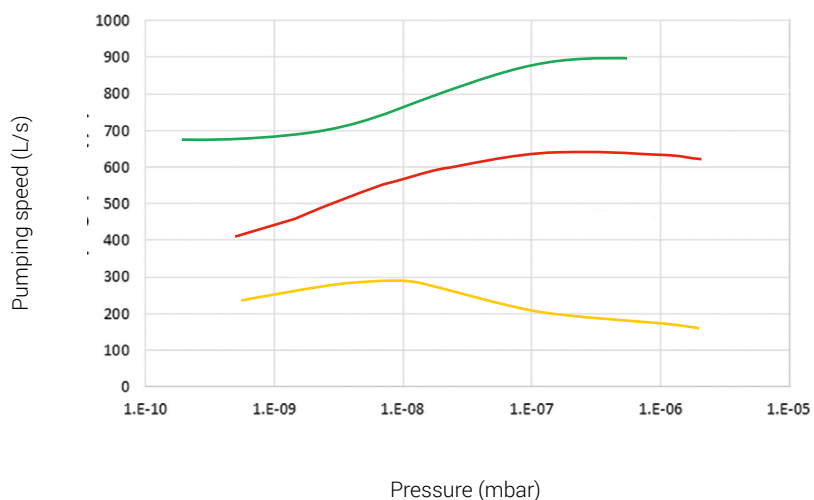
Technical Specifications

	Flange 10 in	Flange 8 in
Nominal pumping speed* for nitrogen (L/s)	650	530
Nominal pumping speed* for argon (L/s)	295	260
Operating life at e ⁻⁶ mbar (h)	80000	
Maximum baking temperature (°C)	Pump without magnets	450
	Pump with magnets	350
	HV cable	220
Protect current (mA)	150	
Maximum starting pressure (mbar)	≤ 5x10 ⁻²	
Ultimate pressure (mbar)	<1x10 ⁻¹¹	
Inlet flange	DN 160 CF-F (8 in CFF) AISI 304 ESR DN 200 CF-F (10 in CFF) AISI 304 ESR	
Weight without heaters kg (lb)	Net 198 (437), Shipping 213 (470)	
Internal volume (L)	115	
(*) Tested according to ISO/DIS 3556-1-1992		

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

Vaclon Plus 800 - Pumping speed vs pressure

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



Ordering Information

Description	Part number
Pumps	
StarCell, DN 200 CF-F (10 in CFF) inlet flange	X3607-64200
StarCell, DN 200 CF-F (10 in CFF) inlet flange, with 230 V heater installed	X3607-64201
StarCell, DN 200 CF-F (10 in CFF) inlet flange, with 115 V heater installed	X3607-64202
StarCell, DN 160 CF-F (8 in CFF) inlet flange	X3607-64203
StarCell, DN 160 CF-F (8 in CFF) inlet flange, with 230 V heater installed	X3607-64204
StarCell, DN 160 CF-F (8 in CFF) inlet flange, with 115 V heater installed	X3607-64205
Controller unit: 4UHV*	
200 W NEG	9299010
2 x 80 W NEG	9299200
2 x 200 W NEG	9299020
4 x 80 W NEG	9299400
2 x 80 W NEG and 1 x 200 W NEG	9299210
*The ion pump controller 4UHV is available in multiple configurations. Please see 4UHV controller section on Pages 70-71.	

Description	Part number
Cables selection	
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** StarCell	9199030
Heaters***, 115 V, input power 800 W	X3607-68001
Heaters***, 230 V, input power 800 W	X3607-68000
Pumps are equipped with standard Fischer high voltage feedthroughs.	
**Quantity required: 12.	
***To order replacement heater or upgrade existing pumps, please contact your local Agilent Vacuum Products representative.	