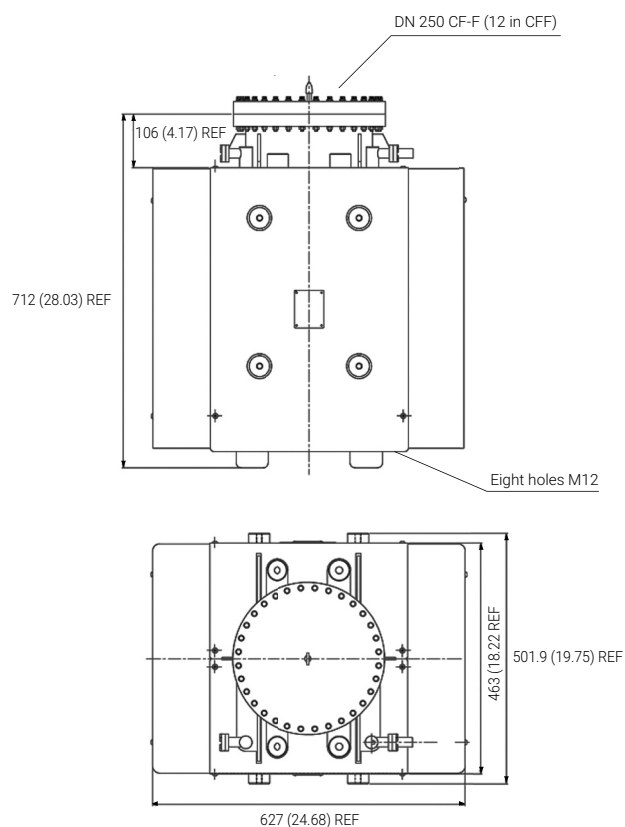


Vaclon Plus 1000 pump



Dimensions: millimeters (inches)

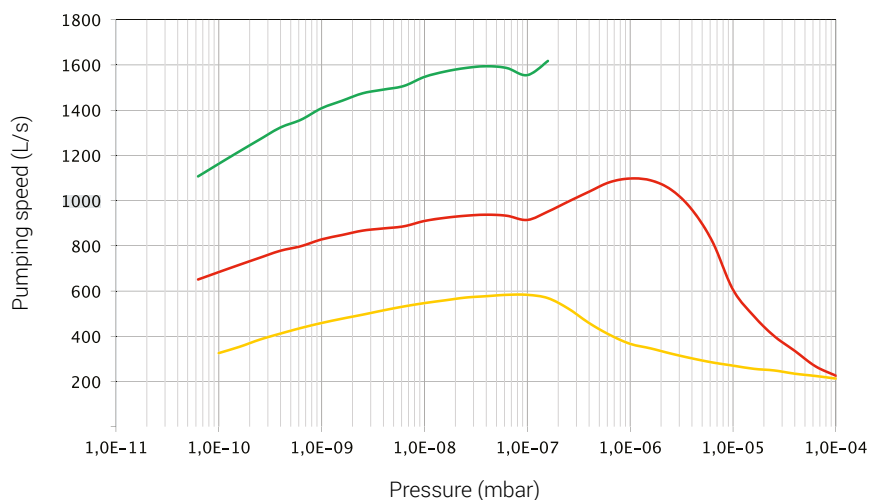
Technical Specifications

	Diode	StarCell
Nominal pumping speed* for nitrogen (L/s)	1100	900
Nominal pumping speed* for argon (L/s)	295	585
Operating life at e ⁻⁶ mbar (h)	50000	80000
Maximum baking temperature (°C)	Pump without magnets	450
	Pump with magnets	350
	HV cable	220
Protect current (mA)	200	
Maximum starting pressure (mbar)	≤ 5x10 ⁻²	
Ultimate pressure (mbar)	10 ⁻¹¹	
Inlet flange	DN 250 CF-F (12 in CFF) AISI 304 ESR	
Weight without heaters kg (lb)	Net 265 (585); Shipping 308 (679)	
Internal volume (L)	136	
(*) Tested according to ISO/DIS 3556-1-1992		

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

Vaclon Plus 1000 - Pumping speed vs pressure

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



Ordering Information

Description	Part number
Configurations	
Diode, without heater	X3604-64000
Diode, with 115 V heater	X3604-64101
Diode, with 230 V heater	X3604-64102
StarCell, without heater	X3604-64120
StarCell, with 115 V heater	X3604-64121
StarCell, with 230 V heater	X3604-64122
Controller unit: 4UHV	
200 W neg	9299010
200 W pos	9299011
The ion pump controller 4UHV is available in multiple configurations. Please see 4UHV controller section on page 70-71. The selection of the controller is strictly dependent on the starting pressure. If starting pressure is in the 10^{-6} mbar range, a single channel with 200 Watts is sufficient to start and maintain the operational function of the pump.	
Diode, Noble Diode	Positive
StarCell	Negative
Negative or positive? See more on page 70.	

Description	Part number
Replacement parts	
HV pump feedthrough*, Fischer, with interlock	9595125
Pumping element** Diode	9199040
Pumping element** StarCell	9199030
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

*Pumps are equipped with standard Fischer high voltage feedthroughs (Pumps with 2 feedthroughs are available on request).

**Quantity required: 16.