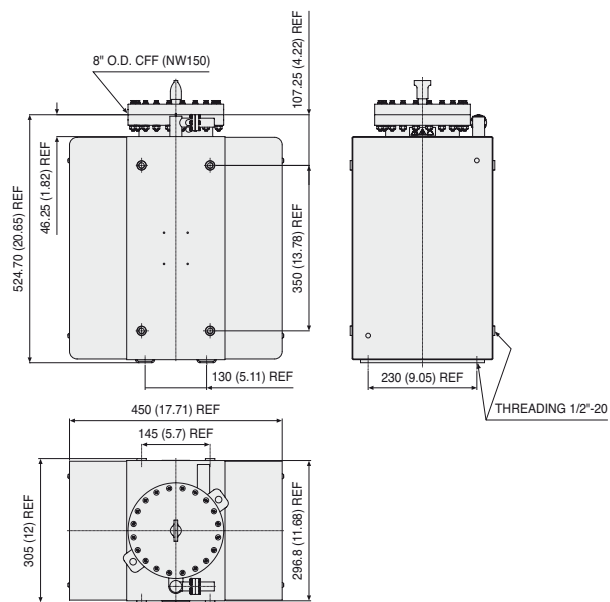


## AGILENT ION PUMP MODELS

### ▶ Agilent Vaclon Plus 500



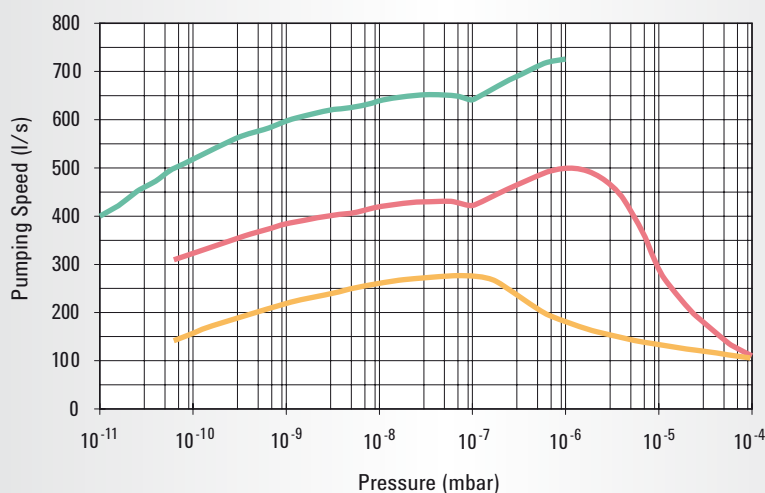
Dimensions: millimeters (inches)

### Technical Specifications

	StarCell	Noble Diode	Diode
Nominal pumping speed for Nitrogen (*) (l/s)	410	440	500
Operating life at $1 \times 10^{-6}$ mbar (hours)	80,000	50,000	50,000
Maximum starting pressure (mbar)	$\leq 5 \times 10^{-2}$	$\leq 1 \times 10^{-3}$	$1 \times 10^{-3}$
Ultimate pressure	Below $10^{-11}$		
Inlet flange	8" CFF (NW 150) AISI 304 ESR		
Maximum baking temperature (°C)	350		
Weight, kg (lbs)	120 (264)		

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

Vaclon Plus 500 - Pumping Speed vs Pressure



— Nitrogen unsaturated Diode    — Nitrogen saturated Diode    — Argon saturated StarCell

## Ordering Information

Description	Part Number
<b>Pumps</b>	
Diode	9191710
Diode with heaters installed 120 V	9191711
Diode with heaters installed 220 V	9191712
Diode double-ended	9191750
Diode double-ended with heaters installed 120 V	9191751
Diode double-ended with heaters installed 220 V	9191752
StarCell	9191740
StarCell with heaters installed 120 V	9191741
StarCell with heaters installed 220 V	9191742
StarCell double-ended	9191780
StarCell double-ended with heaters installed 120 V	9191781
StarCell double-ended with heaters installed 220 V	9191782
<i>Noble Diode versions available on request</i>	
<b>4UHV Controller</b>	
120 W negative	9299100
120 W positive	9299101
200 W neg	9299010
200 W pos	9299011
2 x 80 W neg	9299200
2 x 80 W pos	9299201
2 x 200 W neg	9299020
2 x 200 W pos	9299021
1 x 200 W pos & 1 x 200 W neg	9299022
4 x 80 W neg	9299400
4 x 80 W pos	9299401
2 x 80 W pos & 2 x 80 W neg	9299402

Description	Part Number
<b>4UHV Controller (cont'd)</b>	
2 x 80 W neg & 1 x 200 W neg	9299210
2 x 80 W pos & 1 x 200 W pos	9299211
2 x 80 W pos & 1 x 200 W neg	9299212
2 x 80 W neg & 1 x 200 W pos	9299213
<b>HV Cables</b>	
HV Bakeable cable, radiation resistant, 4 m (13 ft.) long, with interlock	9290705
HV Bakeable cable, radiation resistant, 7 m (23 ft.) long, with interlock	9290707
HV Bakeable cable, radiation resistant, 10 m (33 ft.) long, with interlock	9290708
HV Bakeable cable, radiation resistant, 20 m (66 ft.) long, with interlock	9290709
<b>Replacement Parts</b>	
HV Feedthrough with interlock	9595125
Pumping element* Diode	9199040
Pumping element* Noble Diode	9199045
Pumping element* StarCell	9199030
Heaters** (Input Power 780 W) 120 V	9190077
Heaters** (Input Power 780 W) 220 V	9190076

\* Quantity required: 8.

\*\* To order heaters for replacement or upgrading of existing pumps, please contact your local Agilent Vacuum Technologies representative.

Diode, Noble Diode	positive
StarCell, Triode	negative
(see page 42)	