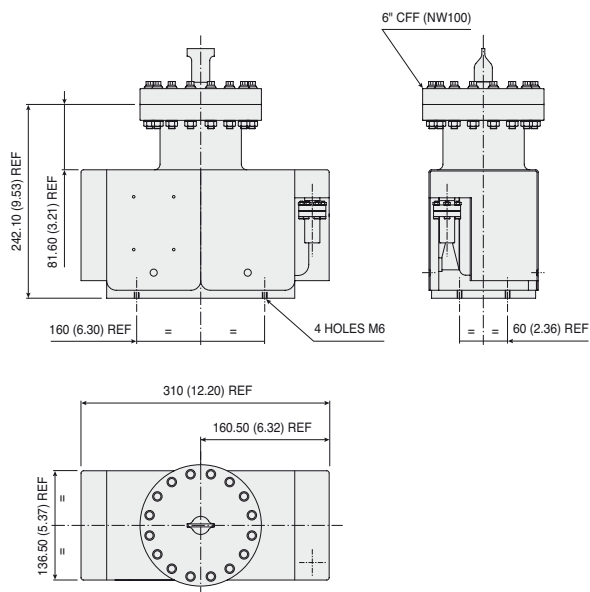


AGILENT ION PUMP MODELS

▶ Agilent Vaclon Plus 75



Dimensions: millimeters (inches)

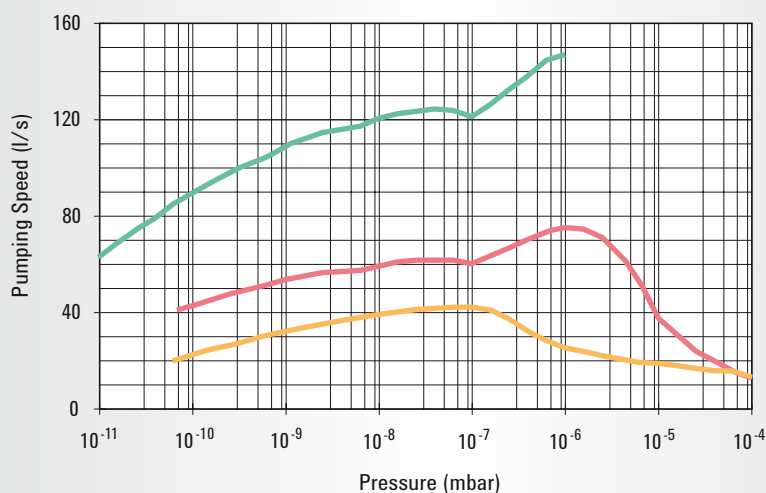
Technical Specifications

	StarCell	Noble Diode	Diode
Nominal pumping speed for Nitrogen (*) (l/s)	65	68	75
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		Below 10^{-11}	
Inlet flange	6" CFF (NW 100) AISI 304 ESR SST		
Maximum baking temperature (°C)		350	
Weight, kg (lbs)		19 (42)	

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

SEM version available on request

Vaclon Plus 75 - Pumping Speed vs Pressure



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

Ordering Information

Description	Part Number
Pumps	
Diode	9191410
Diode with additional 2 ¼" CFF port	9191413
Diode without magnets	9191414
StarCell	9191440
StarCell with additional 2 ¼" CFF port	9191443
StarCell without magnets	9191444

Noble Diode versions available on request

4UHV Controller	
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
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

Description	Part Number
HV Cables	
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

Replacement Parts		
HV Feedthrough with interlock		9595125
Heaters*/** (Input Power 250 W)	120 V	9190071
Heaters*/** (Input Power 250 W)	220 V	9190070

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

** cCSAus marked version available on request.

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