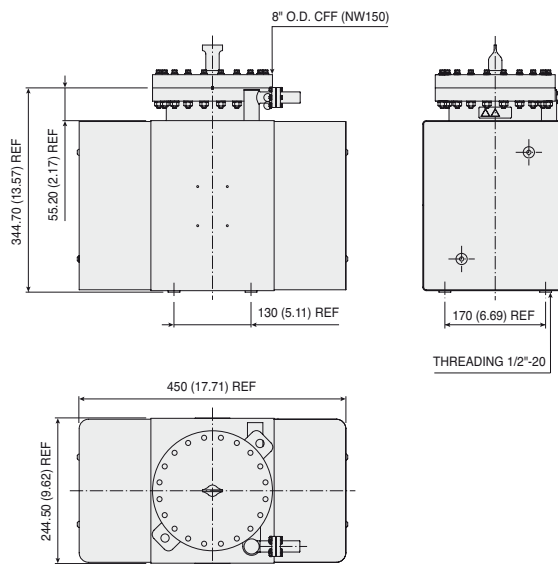


AGILENT ION PUMP MODELS

▶ Agilent Vaclon Plus 300



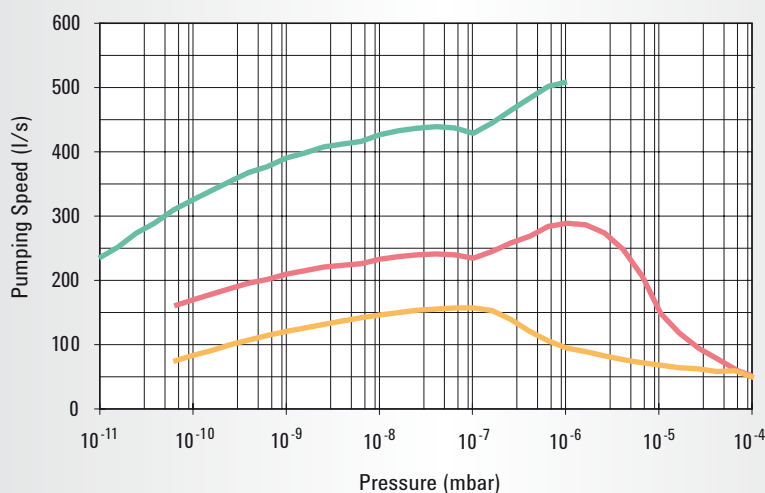
Dimensions: millimeters (inches)

Technical Specifications

| | StarCell | Noble Diode | Diode |
|---|------------------------------|-------------------------|-------------------------|
| Nominal pumping speed for Nitrogen (*) (l/s) | 240 | 260 | 300 |
| 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 | 8" CFF (NW 150) AISI 304 ESR | | |
| Maximum baking temperature (°C) | 350 | | |
| Weight, kg (lbs) | 69 (149) | | |

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

Vaclon Plus 300 - Pumping Speed vs Pressure



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

Ordering Information

| Description | Part Number |
|--|-------------|
| Pumps | |
| Diode | 9191610 |
| Diode with heaters installed 120 V | 9191611 |
| Diode with heaters installed 220 V | 9191612 |
| Diode double-ended | 9191650 |
| Diode double-ended with heaters installed 120 V | 9191651 |
| Diode double-ended with heaters installed 220 V | 9191652 |
| StarCell | 9191640 |
| StarCell with heaters installed 120 V | 9191641 |
| StarCell with heaters installed 220 V | 9191642 |
| StarCell double-ended | 9191680 |
| StarCell double-ended with heaters installed 120 V | 9191681 |
| StarCell double-ended with heaters installed 220 V | 9191682 |
| <i>Noble Diode versions available on request</i> | |
| 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 |

| Description | Part Number |
|--|-------------|
| 4UHV Controller (cont'd) | |
| 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 |
| 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 |
| Pumping element* Diode | 9199040 |
| Pumping element* Noble Diode | 9199045 |
| Pumping element* StarCell | 9199030 |
| Heaters** (Input Power 580 W) 120 V | 9190075 |
| Heaters** (Input Power 580 W) 220 V | 9190074 |

* Quantity required: 4.

** 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) | |