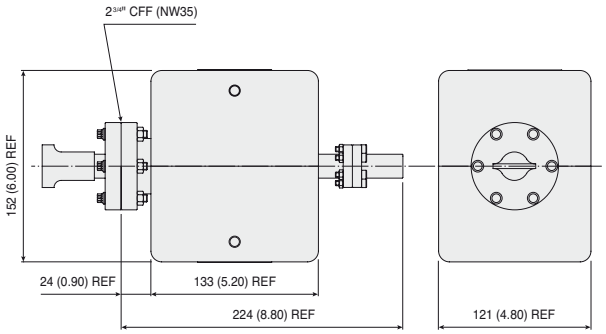
Agilent VacIon *Plus* 20





Dimensions: millimeters (inches)

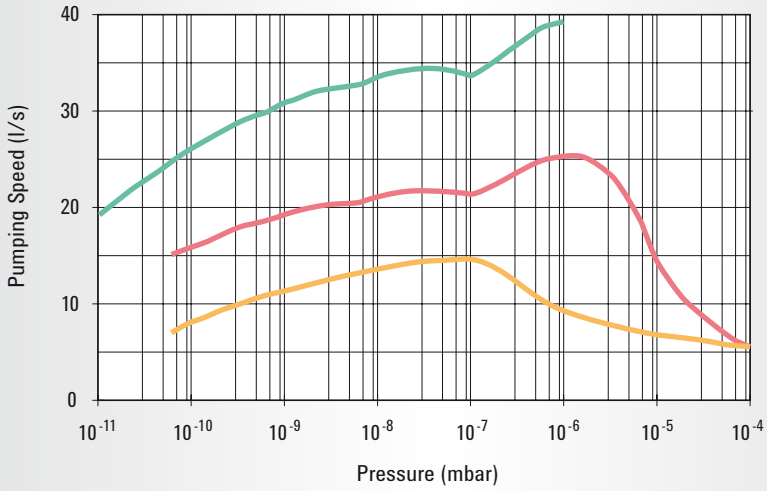
Technical Specifications

	StarCell	Noble Diode	Diode
Nominal pumping speed for Nitrogen (*) (l/s)	20	22	27
Operating life at 1x10^{-6} mbar (hours)	80,000	50,000	50,000
Maximum starting pressure (mbar)	≤ 5x10^{-2}	≤ 1x10^{-3}	≤ 1x10^{-3}
Ultimate pressure		Below 10^{-11}	
Inlet flange		2 ¾" CFF (NW 35) AISI 304 ESR SST	
Maximum baking temperature (°C)		350	
Weight, kg (lbs) (with ferrite magnet)		Net 7 (15), Shipping 11 (24)	

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

SEM version available on request

VacIon *Plus* 20 - Pumping Speed vs Pressure



Ordering Information

Description	Part Number
Pumps	
Diodewith Ferrite magnets	9191115
Diode without magnets	9191114
StarCell with Ferrite magnets	9191145
StarCell with Sm-Co magnets	9191146
StarCell without magnets	9191144
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
VacIon *Plus* 20 Diode Ferrite magnet assembly		9191001
VacIon *Plus* 20 Noble Diode Ferrite magnet assembly		9191002
VacIon *Plus* 20 StarCell Ferrite magnet assembly		9191004
Heaters* (Input Power 140 W)	120 V	9191110
Heaters* (Input Power 140 W)	220 V	9191111

** 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)	