



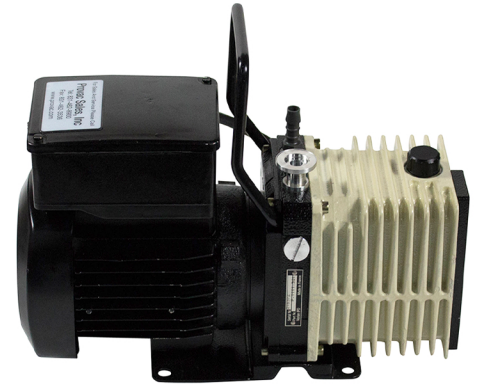
Varian SD-40

Technical Specifications

Characteristics	Unit	SD 40	
Frequency	Hz	50	60
Number of stages		2	
Rotation speed	rpm	3000	3600
Nominal flow rate	m ³ /h	2	2.4
	cfm		1.4
Flow rate Pneurop method	m ³ /h	1.6	2.2
	cfm		1.1
Ultimate pressure with gas ballast closed	Torr/mbar	$2.3 \times 10^{-3} / 3.10^{-3}$	
	Pa	3.10 ⁻¹	
Ultimate pressure with gas ballast open	Torr/mbar	$2.3 \times 10^{-2} / 3.10^{-2}$	
	Pa	3	
Oil capacity	l	0.35	
Maximum water vapour pumping capacity	Torr/mbar	22.5/30	
	Pa	3.10 ³	
Water vapor pumping capacity	g/h	36	35
Weight (pump + motor)*	lbs (kg)	26.4 (12)	
Inlet fitting	ISO-KF	DN 16	
Exhaust fitting	mm	Ø 10	

* These values are for pumps equipped with single-phase motors.

Note: The pressure measurements were made with a capacitive diaphragm pressure gauge measuring a total pressure in the absence of a cold trap. Measurements using a Pirani type gauge can give different pressure values.



Applications

- research & development • industry • instrumentation • mass spectrometry • leak detection systems