



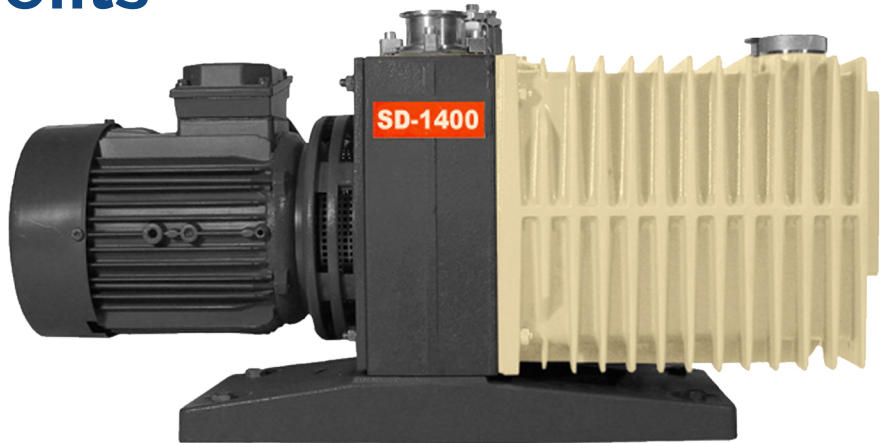
Varian SD-90, 200, 300, 450, 700, 1400, 2500

Technical Specifications

Technical Specifications	SD-90	SD-200	SD-300	SD-450	SD-700	SD-1400	SD-2500
Free Air Displacement l/m, at 60Hz (50Hz)	90 (75)	195 (170)	310 (250)	450 (375)	765 (585)	1420 (1080)	2407 (2006)
CFM @ 60Hz	3.2	7	11	17	27	50	85
M ³ /hr at 50Hz	4.5	10	15	22.4	35	65	120
Stages	2	2	2	2	2	2	2
Ultimate Vacuum	<10 ⁻⁴ Torr	<10 ⁻⁴ Torr	<10 ⁻⁴ Torr	<10 ⁻⁴ Torr	1 X 10 ⁻⁴ Torr	1 X 10 ⁻⁴ Torr	3 X 10 ⁻³ Torr
Water Vapor Capacity, at 30°C gm/hr	50	100	150	220	700	1200	3000
Motor Rating, HP at 60Hz	1/2	1/2	3/4	3/4	1 1/2	3	4
Oil Capacity, qt (l)	0.75 (0.75)	1 (1)	0.85 (0.81)	0.85 (0.81)	3.8 (3.6)	704 (7)	7.9 (7.5)
Inlet Port	NW 25	NW25	NW25	NW25	NW40	NW40	NW50
Electrical Rating	1 Phase Universal Motor, 115/208-230 50/60Hz				3 Phase Universal Motor, 208-230/380-460, 50/60Hz		

Features & Benefits

- dual stage pump
- forced air ventilation
- built-in oil shield
- quiet operation
- gas ballast valve
- ant-suckback system



Applications

- gas analysis • leak detection • mass spectrometers • electron microscopes • surface analysis • centrifuges • sterilization • packaging
- vacuum lamination • food processing • rubber molding • robotics
- thermoforming • research & development • printed circuit board testing • laboratory experimentation