

# SV Series Rotary Vane Vacuum Pump



## Introduction:

SV series single stage rotary vane vacuum pump is a kind of reliable, durable, economic and applicable range of vacuum equipment. In the circular pump body, it has an air suction valve and exhaust valve. Three vanes are equipped with an eccentric rotor slot in the rotor, the vane blades divided the pump chamber into three parts. The volume of the pump chamber keep changing periodically as the rotation of the rotor to finish the process of gas suction, compression and elimination, so that the suction the gas/air from the inlet hole.

## Advantages:

- A. Environmental clean exhaust;no pollution;equipped with oil mist collector.
- B. The motor and the pump coaxial direct drive;compact and lightweight.
- C. Efficient Air Cooling (standard), easy to install maintenance-friendly.
- D. Inlet with check valve to prevent vacuum oil back into the system.
- E. Multiple rotary vane design;efficient and energy saving.
- F. Small vibration,low noise,working on the horizontal plane
- G. Continuous operating at the entire range of pressures from the atmospheric pressure to ultimate pressure.

## Applications:

It is widely used in vacuum packaging,material drying,concentration,distilling industry,vacuum coating,vacuum loading,vacuum forming and other fields.

**Technical Specification:**

Model	Pump speed (m <sup>3</sup> /h)		Ultimate vacuum (Pa)	Motor Power (KW)	Inlet Diam (inch)	Rotary speed (rpm)	Oil Capacity (L)	G.W (kg)	Noise dB (A)	Dimensions (mm)
	50HZ	60HZ								
SV-010	10	12	150	0.55 (3ph) 0.90 (1ph)	G1/2	1400	0.5	20	64	405*253*210
SV-020	20	24	150	0.75(3ph) 0.90(1ph)	G1/2	2800	0.5	20	64	405*253*210
SV-025	25	30	150	0.75(3ph) 0.90(1ph)	G1/2	2800	0.5	20	64	405*253*210
SV-040	40	48	50	1.5	G1 1/4	1400	1.0	48	67	660*300*270
SV-063	63	75	50	2.2	G1 1/4	1400	2.0	81	68	695*420*295
SV-100	100	120	50	3.0	G1 1/4	1400	2.0	85	72	735*420*295
SV-160	160	192	50	4.0	G2	1400	4.5	152	74	805*520*410
SV-200	200	240	50	4.5	G2	1400	4.5	159	76	825*520*410
SV-250	250	300	50	5.5	G2	1400	7.0	230	76	1000*550*410
SV-300	300	360	50	7.5	G2"	1400	7.0	236	76	1200*550*410
SV-630	630	750	10	15	DN100	960	35	620	75	1630*1300*980
SV-750	750	900	10	18.5	DN100	1150	35	640	76	1630*1300*980

