

Use :

Vacuum pumps are used to keep parts under vacuum during various operations, including machining, packaging, etc. Its robust design allows it to be used 24 hours a day in harsh industrial applications. They are supplied with long life self lubricated graphite vanes to ensure long life without maintenance. Due to its reliability and oil-free operation, the pump is often used in applications such as:

- Clamping of parts
- Lifting of pieces
- Vacuum packaging
- Degassing of materials
- Cleaning, vacuum drying
- Thermoforming
- Pneumatic transport



Principle of operation :

A rotor is positioned eccentrically in the pumps cylindrical housing. The free moving vanes are inserted into their rotor slots. When the rotor turns the centrifugal force pushes the vanes against the cylinder wall and creates a pocket of air between the rotor and the cylinder. As the rotor continues to turn the air pocketed volume between the blades changes due to the eccentrically positioned rotor. From the inlet to outlet the chamber volume becomes bigger and then becomes smaller again. This way the pump is compressing the air from the inlet to the outlet. When the inlet of the pump is connected to a closed volume the pump is used to make a vacuum. When the inlet is connected to the atmosphere the pump can be used as a compressor to make compressed air.

Features :

SEV Series vacuum pumps are 100% oil-free, single-stage, air-cooled, direct-drive vacuum pumps. They have long-life self-lubricating vanes and are quiet in operation. Pressure regulating valves are included in the standard supply. Thanks to oil-free operation, these pumps are ideal for industrial applications that require easy installation and little downtime.

Options:

- Filter, check valve, silencer
- Vacuum gauge, hose, fitting, valve and distributor
- Vacuum tank with manual/automatic liquid separator
- Security system and mounting base

Type	Flow in m ³ /h	mbar absolute	Motor en Kw	Sound level dB(A)	Voltage in V	Connection for vacuum	Dimensions in mm			Weight in kg
							Length	Width	Height	
SEV04	4	150	0,35	60	3x400	3/8"	244	155	158	11
SEV08	8	150	0,35	60	1x230/3x400	3/8"	244	155	160	12
SEV10	10	150	0,37	58	1x230/3x400	1/2"	435	235	275	21
SEV16	16	150	0,55	59	1x230/3x400	1/2"	460	235	275	24
SEV25	25	120	0,9	60	1x230/3x400	3/4"	515	245	295	32
SEV40	40	120	1,25	65	1x230/3x400	3/4"	570	245	295	38
SEV60	55	100	2,4	71	3x400	1"	650	300	350	70
SEV80	67	100	2,4	72	3x400	1"	650	300	350	70
SEV100	98	100	3	75	3x400	1-1/2"	765	325	400	103
SEV140	129	100	4	76	3x400	1-1/2"	785	345	400	113

Example of order:

Vacuum pump

Designation

SAV 249.72 – SEV40 - 230

SAV N° - Type - Voltage