

FESV Series Rotary Vane Vacuum Pump



Introduction:

FESV is committed to the production and sales of different kinds of vacuum pumps, vacuum valves and vacuum fittings, provides first-class vacuum equipment solutions for global customers.

FESV series rotary vane vacuum pump is a kind of reliable, durable, economic and applicable range of vacuum equipment. Three vanes divide 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. It can equip with vacuum tank and control box to be CVS systems which are widely used in hospitals.

Features:

1. Equipped with oil mist filter, clean exhaust.
2. Compact design and lightweight.
3. Efficient air-cooling; easy to install; maintenance-friendly.
4. Inlet with check valve to prevent vacuum oil back into the system.
5. Efficient and energy saving.
6. Small vibration, low noise, long service life span.
7. Continuous operating at the entire range of pressures from the atmospheric to ultimate vacuum.

Main application:

FESV series rotary vane vacuum pump has widely used in vacuum packaging, material drying, concentration, vacuum distilling industry, vacuum coating, vacuum loading, vacuum forming, hospital, etc.

Technical data:

Model	Flow rate (m ³ /h)		Ultimate vacuum (Pa)	Motor power (kW)	Inlet DIA	Rotary speed (rpm)	Oil volume (L)	Weight (kg)	Noise dB (A)	Cooling method	Dim L*W*H (mm)
	50 Hz	60 Hz									
FESV-008	8	9.6	200	0.55(1Ph) 0.37(3Ph)	G3/8"	2800	0.25	11	63	Air cooling	338*139*162
FESV-010	10	12	200	0.55	G1/2" or	2880	0.45	18	63		332*228*190
FESV-016	16	18	200	0.75		2880	0.45	18	64		332*228*190
FESV-020	20	24	200	0.75(3Ph) 0.90(1Ph)		2880	0.5	18	64		316*243*218
FESV-025	25	30	200	0.75/0.85 (3Ph)	G3/4"	2880	0.5	19	64		316*243*218
FESV-025	25	30	200	0.90(1Ph)	G11/4"	2880	0.6	21	64		480*232*195
FESV-040	40	48	50	1.5		1440	1	52	67		655*285*275.5
FESV-063	63	75	50	2.2		1440	2	75	68		655*405*285
FESV-100	100	120	50	3		1440	2	82	72		715*400*295
FESV-160	160	192	50	4		1440	4.5	160	74		755*490*430
FESV-200	200	240	50	4.5		1440	4.5	176	76		755*490*430
FESV-250	250	300	50	5.5	1440	7	210	76	900*535*430		
FESV-300	300	360	50	7.5	1440	7	225	76	900*535*430		
FESV-630B	630	755	50	18.5	G3"	1000	25	550	75		Air or
FESV-630L	630	755	8	15	DN100	820	28	695	76	Water	1525*896*740
FESV-750	755	755	8	18.5	DN100	1000	28	760	75	cooling	1525*896*740

Notes:

- 1/ The value of ultimate vacuum in the sheet is measured by Pirani gauge when FESV special pump oil is used.
- 2/ The high performance pump oil is recommended to guarantee the pump performance.
- 3/ Noise is measured at an angle of 45° above the air inlet of the pump at a distance of 1 meter.