

SV Series Rotary Vane Vacuum Pump

Introduction:

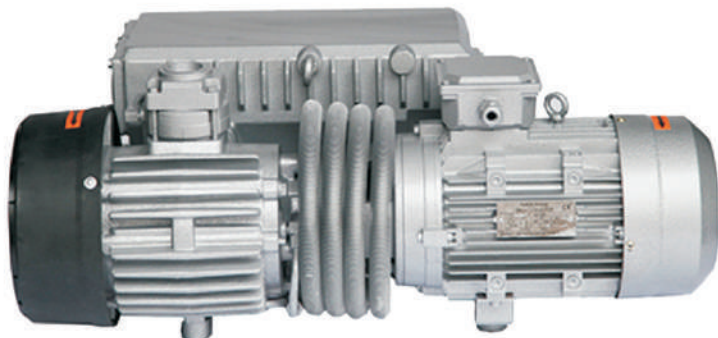
SV series single stage rotary vane vacuum pump is a kind of reliable, durable, economic and applicable range of vacuum equipment. In the circular pump body, it has an air suction valve and exhaust valve. Three vanes are equipped with an eccentric rotor slot in the rotor, its vanes divide the pump chamber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

Advantages:

- A.Environmental clean exhaust; no pollution; equipped with oil mist collector.
- B.Direct drive type, compact and lightweight.
- C.Efficient air cooling (standard); easy to install&maintenance.
- D.Inlet with check valve to prevent vacuum oil back into pump system.
- E.Small vibration, low noise.
- F.Continuous operating at the entire range of pressures from the atmospheric pressure to ultimate vacuum pressure.

Application:

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 (m3/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	200	0.37 (3ph) 0.55 (1ph)	G1/2	1400	0.5	20	64	405*253*210
SV-020	20	24	200	0.75 (3ph) 0.90 (1ph)	G1/2	2800	0.5	20	64	405*253*210
SV-025	25	30	200	0.75 (3ph) 0.90 (1ph)	G1/2	2800	0.5	22	64	405*253*210
SV-040	40	48	50	1.5 (3ph) 2.2 (1ph)	G1 1/4	1400	1.0	50	67	660*300*270
SV-063	63	75	50	2.2	G1 1/4	1400	2.0	83	68	695*420*295
SV-100	100	120	50	3.0	G1 1/4	1400	2.0	87	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	5.5	G2	1400	4.5	159	76	825*520*410
SV-250	250	300	50	7.5	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	15.0	DN100	960	35	620	75	1630*1300*980
SV-750	750	900	10	18.5	DN100	1150	35	640	76	1630*1300*980



2XZ-C Series Direct Drive Rotary Vane Vacuum Pump

Introduction:

2XZ-C series double stage rotary vane vacuum pump is a star model for its stable performance and compact structure. It can be the fore pump of high vacuum or super high vacuum system.

Advantages:

1. Compact structure, light weight, low noise, easy operation, stable performance.
2. Equipped with gas ballast valve to pump gas combined with a little water vapor.
3. Can be used both as single pump and as fore pump in high vacuum system.
4. With anti-oil-return device to guarantee a clean vacuum.
5. No oil leak, no spray, no pollution.



Application:

It is widely used in refrigeration equipment, medical treatment, chemicals and laboratory of hospitals & universities, vacuum smelting, vacuum coating, monocrystal silicon, polysilicon, distilling industry, food packaging, aerospace technology, semiconductor, electronics, etc.

Technical Specification:

Models		2XZ-1C	2XZ-2C	2XZ-4C	2XZ-6C	2XZ-8C	2XZ-15C	2XZ-25C
Speed (L/s) / (CFM)	50HZ	1 / 2	2 / 4	4 / 8	6 / 13	8 / 17	15 / 32	25 / 53
	60HZ	1.2 / 2.5	2.4 / 5	4.8 / 10	7.2 / 15	9.6 / 20	18 / 38	30 / 64
Ultimate pressure (Pa)		1	1	1	1	1	1	1
Rotary speed (rpm)	50HZ	1400	1400	1400	1400	1400	1400	1400
	60HZ	1720	1720	1720	1720	1720	1720	1720
Motor power(Kw)		0.25	0.37	0.55	0.75	1.1	1.5	3.0
Working voltage(v)		220/380	220/380	220/380	380	380	380	380
Inlet Diam(mm)	I.D.	Φ18	Φ25	Φ25	KF-25	KF-40	KF-40	KF-40
	O.D.	KF-18	KF-25	KF-25				
Dimensions(mm)	Length	480	480	520	550	608	676	830
	Width	145	150	150	174	220	220	275
	Height	240	250	250	279	346	346	440
Noise dB (A)		65	65	65	60	65	65	68
Oil capacity (L)		0.7	1	1.2	1.5	2.5	3	6.5
N.W. (kg)		17	22	24	31	52	60	90

2X-A Series Two stage Rotary Vane Vacuum Pump (Belt-type)

Introduction:

2X-A series vacuum pump is two stage structure. The operation performance consists of two parts, high-pressure stage and low-pressure stage. The technical parameter of the pump is 6×10^{-2} Pa. According to the user's operation requirements, and this pump is used as a backing pump of roots booster pump.

Advantages:

1. Wide range of free-air capacities to match specific applications.
2. Positive pressure oil system ensures proper lubrication and prevents oil starvation under high gas loads.
3. Fast acting inlet valve protects internal components against oil and air contamination if the pump stops while under vacuum.
4. Gas ballast valve limits internal condensation; Lets you use pump when condensable vapors are present.



Application:

It is applicable to vacuum coating, vacuum heat treatment, vacuum smelting, vacuum tube, chemicals, packing, forming, health and medical appliances, laboratory, vacuum drying machines and vacuum filtering.

Technical Specification:

Model	2X-4A	2X-8A	2X-15A	2X-30A	2X-70A	2X-100A
Pumping speed (L/s)	4	8	15	30	70	100
Ultimate Pressure (pa)	$\leq 6 \times 10^{-2}$	$\leq 6 \times 10^{-2}$	$\leq 6 \times 10^{-2}$	$\leq 6 \times 10^{-2}$	$\leq 6 \times 10^{-2}$	$\leq 6 \times 10^{-2}$
Motor power(kw)	0.55	1.1	2.2	4	5.5	7.5
rotary speed(r/min)	450	320	320	450	420	360
Cooling Type	Natural cooling			Water cooling		
Noise level DB(A)	≤ 65	≤ 70	≤ 70	≤ 70	≤ 75	≤ 90
Inlet diameter(mm)	25	40	50	65	80	90
Outlet diameter(mm)	30	50	80	85	100	125
Oil capacity(L)	1	2	2.8	3	4.2	5
Solenoid valve	DDC-JQ25	DDC-JQ40	DDC-JQ40	DDC-JQ65	DDC-JQ80	DDC-JQ100
Dimensions (mm)	540×335×380	790×430×540	790×530×540	810×480×560	910×650×700	1130×740×690
Weight(Kg)	60/50	158/148	202/190	230/216	338/320	400/370

ZJ Series Roots Vacuum Pump

Introduction:

ZJ Series Roots Vacuum Pump is a positive displacement pump, also known as roots booster pump, which is one of the main equipment to obtain the middle and high vacuum level. Its working principle is similar to roots blower, which use two figure 8 rotor synchronous rotation in the pump shell, so as to complete the suction and exhaust process.

Advantages:

1. Stable operation, less vibration, low noise, Less power consumption, good energy.
2. Rapid start and get the ultimate pressure in short time.
3. Pump cavity does not need lubricating oil, avoid oil vapor to pollute vacuum system, is not sensitive to tiny dust.



Application:

They're widely used in vacuum smelting, vacuum welding, vacuum casting, vacuum coating, vacuum drying, vacuum dynamic experiment and chemical pharmaceutical, electric vacuum device manufacturing industries.

In view of the chemical, pharmaceutical and other industries require huge vapor degassing capability. the sealing structure of ZJ roots vacuum pump chamber and the bearing chamber has improved, which greatly reducing the bearing cavity and gear cavity oil emulsification. Thus, ZJ roots vacuum pump is more suitable for pumping large quantities of water vapor and solvent with water ring vacuum pump.

ZJ series roots vacuum system is non oil seal type. So, it can completely avoid oil returning, oil spills and soot pollution, etc.

Technical Specification:

Model	ZJ-150	ZJ-300	ZJ-600	ZJ-1200
Pumping speed（L/s）	150	300	600	1200
Ultimate pressure（Pa）	5×10 ⁻²			
Max. allowable diff. pressure（Pa）	8×10 ³		5×10 ³	
Motor rotary speed（RPM）	3000			
Suitable motor power（kW）	2.2	4	7.5	11
Flange size	Inlet（mm）	100	150	200
	outlet（mm）	100	150	200
Cooling water consumption（L/h）	120		150	
Allowable temperature（℃）	100			
Vacuum pump oil	100#			
Weight(without motor)（kg）	195	250	760	860

ZJP Series Roots Vacuum Pump

Introduction:

ZJP Series Roots Vacuum Pump is a positive displacement pump, also known as mechanical booster pump, which is one of the main equipment to obtain the middle and high vacuum degree. Its working principle is similar to roots blower, which use two figure 8 rotor synchronous rotation in the pump shell, so as to complete the suction and exhaust process.

Advantages:

1. Stable operation, less vibration, low noise, Less power consumption.
2. Rapid start and get the ultimate pressure in short time.
3. Pump cavity does not need lubricating oil, avoid oil vapor to pollute vacuum system, is not sensitive to tiny dust.
4. ZJP series roots vacuum pump is with overflow valve, automatically anti-overloading. ZJ series roots vacuum pump is without overflow valve.



Application:

They're widely used in vacuum smelting, vacuum welding, vacuum casting, vacuum coating, vacuum drying, vacuum dynamic experiment and chemical pharmaceutical, electric vacuum device manufacturing industries.

In view of the chemical, pharmaceutical and other industries require huge vapor degassing capability. the sealing structure of ZJP roots vacuum pump chamber and the bearing chamber has improved, which greatly reducing the bearing cavity and gear cavity oil emulsification. Thus, ZJP roots vacuum pump is more suitable for pumping large quantities of water vapor and solvent with water ring vacuum pump.

ZJP series roots vacuum system is non oil seal type. So, it can completely avoid oil returning, oil spills and soot pollution, etc.

Technical Specification:

Model	ZJP-70	ZJP-150	ZJP-300	ZJP-600	ZJP-1200	ZJP-2500
Pumping speed (L/s)	70	150	300	600	1200	2500
Ultimate pressure (Pa)	5×10 ⁻²					
Diff. pressure at overflow valve (Pa)	8×10 ³	4×10 ³	5.3×10 ³	2. 7×10 ³		
Motor rotary speed (RPM)	3000					
Suitable motor power (kW)	1.1	2.2	4	7.5	11	22
Flange size	inlet (mm)	80	100	150	200	320
	outlet (mm)	80	100	150	200	320
Cooling water consumption (L/h)	-	120		150		200
Allowable temperature (℃)	100					
Vacuum pump oil	100#					
Weight(without motor) (kg)	110	205	265	780	880	1350

2H / H Rotary Piston Vacuum Pump

Introduction:

Rotary piston vacuum pumps are divided into two types: single-stage and double-stage. Double-stage ones can reach a higher vacuum than single-stage. Those pumps include an integral, positive pressure lubrication system to insure reliable lubrication at all pressure levels. They can pump gas containing few condensable vapor with their gas ballast open. Equipped with additional devices, they can also pump corrosive gas or gas containing superabundant oxygen.

Advantages:

- 1) Low gravity and power consumption, wonderful stability, small space request, and nice performance.
- 2) Less oil ejection at discharge port and low consumption of vacuum pump oil.
- 3) With back settled oil tank to prevent oil returning into pump chamber.
- 4) With side flash port on oil tank and O-ring seal, easy to be disassembled, convenient for cleaning and maintenance.
- 5) Additional Long lifetime for bearing because of newly added sealing between pump chamber and bearing
- 6) Low vibration, low noise.

Application:

The pump is widely used in vacuum melting, vacuum furnace, thermal processing, vacuum sintering, vacuum metallurgy, vacuum degassing, vacuum drying, vacuum coating, molecular distilling, vacuum impregnation, electronics, solar industries and aerospace simulation test.



Technical Specification:

Model	Ultimate pressure		Pumping speed	Inlet diam	Outlet diam	Motor power	Cooling water consumption	weight
	Pa	Torr	L/s	mm	mm	kw	kg/h	kg
2H-15	6×10^{-2}	4.5×10^{-4}	15	50	40	2.2	Air-cooling	175
2H-30	6×10^{-2}	4.5×10^{-4}	30	63	50	4	100	380
2H-70	6×10^{-2}	4.5×10^{-4}	70	80	50	7.5	150	710
2H-120	6×10^{-2}	4.5×10^{-4}	120	100	80	15	200	960
2H-150	6×10^{-2}	4.5×10^{-4}	150	100	80	15	200	1020
H-70G	1	7.5×10^{-3}	70	80	50	5.5	150	485
H-150G	1	7.5×10^{-3}	150	100	80	7.5	200	970
H-150	1	7.5×10^{-3}	150	100	80	15	200	830
H-180	1	7.5×10^{-3}	180	160	100	15	450	1010
H-200	1	7.5×10^{-3}	200	160	100	15	450	1010
H-230	1	7.5×10^{-3}	230	160	100	18.5	450	1030
H-300	1	7.5×10^{-3}	300	160	100	22	700	1520

KT Series Metal Diffusion Pump

Introduction:

EVP KT series oil diffusion pump is the main equipment for obtaining high vacuum(10^{-1} - 10^{-5} Pa) with high pumping speed from 1500 L/s to 130000 L/s.

Advantages:

- 1)The pump equipped with observation window, oil filling and discharge port, pump oil temperature control and over heated protection device, and cooling water high temperature alarming device.
- 2)The heater of diffusion pump is composed by several heating rods, parallelly connected, which allow the rod being changed with pump running and help to shorten the heating time and increase heating efficiency.
- 3)Low oil return. Without water cooling plate, the oil return is 1×10^{-3} mg/cm²•min for normal diffusion pump oil, and 1×10^{-4} mg/cm²•min for 275 silicone oil.
- 4)The manufacturing process takes stretching technology which helps to lessen weld joint, increase intensity, and lower the air leakage.

Application:

The oil diffusion pump is widely used in vacuum coating, vacuum furnace, electronics, chemical industry, aviation, aerospace, metallurgy, material, biological medicine, atomic energy, space exploration and other high-tech fields, also it possesses high praise in titanium sponge field.



Technical Specification:

Item		KT-200	KT250	KT300	KT320	KT-400	KT-500	KT-600	KT-630	KT-800	KT-900	KT-1000	KT-1200	KT-1400	KT-1600
Ultimate pressure	Pa	5×10 ⁻⁵													
Capacity	L/s	2800	3500	4600	5000	8500	12000	17500	20000	30000	40000	50000	60000	90000	130000
Fore pump pressure	Pa	40													
Fore pump speed	L/s	15	15	30	30	70	150	300	600	600	600	1200	1200	1200	2500
Back-flow rate	mg (cm ³ min)	≤3×10 ⁻²													
Heating time	min	≤35	≤40			≤45		≤50	≤60	≤65	≤70	≤80		≤90	
Heating power	kw	1.6-1.8	2.2-2.4	2.4-3	4~5	4~5	6~8	8~9	9~11	13-13.5	14-16	17-20	26-30	38-40	48-50
Voltage	V	220			380										
Oil Model	f	KS-3													
Oil volume	L	0.55	1-1.4	1-1.6	1.4-1.8	3~4	4	6~7	7~8	12-14	14-15	15-16	22	38	50
Cooling water consumption	L/h	300	350	400	420	500	600	800	850	1200	1350	1500	2600	3400	4300
Inlet diam	mm	200	250	300	320	400	500	600	630	800	900	1000	1200	1400	1600
Outlet diam	mm	65	65	80	80	100	100	150	160	200	200	300	300	320	320

EVP Series Dry Scroll Vacuum Pump

Introduction:

EVP series dry scroll vacuum pump is developed by our experienced technicians on basis of advanced technology in abroad. It is a type of environmental-friendly pump.

Advantages:

- 1)Oil free, it can provide clean vacuum condition.
- 2)Low noise, less vibration, low temperature rise, excellent sealing means.
- 3)Reliable and durable life time over 5 years.
- 4)No friction for exhaust parts and moving parts.
- 5)High efficiency and low energy consumption.
- 6)No return oil or water vapor.
- 7)Replaceable for oil rotary vane vacuum pump when ultimate pressure is lower than 1 Pa.
- 8)No lubricant and cooling water, hence saving the labor cost for daily maintenance.



Application:

It's widely used in semiconductor, aerospace, petrochemical, food and medicines, electric power, energy, environmental protection, automobile, test and analysis instrument industries. It's stable, reliable and clean, which has gained good reputation in industrial production and scientific research.

Technical Specification:

Model			EVP1000	EVP600	EVP300	EVP150	EVP75
Displacement	50Hz	l/s	16.6	8.7	4.3	2.0	1.0
	60Hz	l/s	19.9	10.4	5.1	2.4	1.2
Ultimate pressure		Pa	≤1.0	≤1.0	≤2.6	≤8.0	≤8.0
Leakage with outlet & air flush port off			1×10 ⁻² Pa·l/s (1×10 ⁻⁴ mbar·l/s)				
Max. inlet /outlet pressure		mpa	0.1 /0.13				
Ambient Temperature		°C/°F	5~40 / 41~104				
Max. moisture disposal capacity		G/h	60	60	60	50	50
Motor	Power	kw/hp	1.50/2.0	0.75/1.00	0.55/0.74	0.25/0.30	0.25/0.3
	Voltage	VAC	380/220	380/220	380/220	380/220	380/220
	Speed	rpm	1410				1425
Noise level		dB(A)	≤63	≤63	≤63	≤57	≤54
Inlet/outlet diameter		mm	KF40/16×2	KF40/16	KF25/16	KF25/16	KF25/16
External dimension		mm	548×359×397	487×316×360	457×290×336	416×245×277	405×225×260
Weight		kg	52	36	32	18	15
Cooling type		/	Air cooled				
Others		/	With timer & air ballast				

LG Series Dry Screw Vacuum Pump

Introduction:

LG series dry screw vacuum pumps can manage both condensable vapors and some solids with no residue. They offer a number of advantages over the traditional vacuum pump designs. There is "NO OIL NO WATER" in contact with the process vapors, therefore they are considered environmentally friendly.

Advantages:

- 1.Oil& Water free Dry running operation makes clean vacuum.
- 2.Can achieve ultimate vacuum as low as 0.6Pa
- 3.Quiet operation; Equipped with special silencer,lower noise.
- 4.No metal-metal contact between Screw and Casing ensures long pump life.
- 5.Simple design results easy maintenance.



Application:

Chemical & Pharmaceutical Processing, Solvent Recovery, Crystallization, Vapor Coating, Petroleum and semiconductor markets, etc.

Technical Specification:

Model		Unit	LG50	LG70	LG100	LG150	LG200	LG300	LG350
Suction Capacity	50 Hz	m³/hr	180	250	430	540	720	1080	1260
	60 Hz		216	300	360	650	850	1296	1512
Ultimate Pressure	50 Hz	mbar	0.02						
	60 Hz		0.01						
Motor power	50 Hz	Kw	5.5	7.5	11	15	18.5	22	22
	60 Hz		7.5	11	15	15	22	26	26
Rotary Speed	50 Hz	RPM	2900						
	60 Hz		3550						
Inlet diam		mm	50	65	70	90	100	100	100
Outlet diam		mm	40	40	55	65	65	65	65
Lubricating oil consumption		L	0.85	0.85	1.4	2	2	2	2
Cooling water consumption	L/min		2.5	2.6	2.8	3	4	4	4
	gal/min		0.67	0.7	0.75	0.8	1.07	1.07	1.07
Weight		Kg	295	350	480	520	680	850	850
Noise		dB(A)	68	70	70	72	74	84	84
Working temperature		°C	5~40						
Max. Permissible humidity		/	90%						

EVP FB Series Molecular Pump

Introduction:

FB series molecular pump can obtain clean and ultra-high vacuum pressure without cold trap and oil baffle. EVP can provide three types of molecular pump with distinguished structure as, hybrid molecular pump, turbo molecular pump, and grease lubricated hybrid molecular pump.

Advantages:

For Hybrid Molecular Pump

- 1)High pumping speed and compression ration.
- 2)Being no critical and with no memory effect to pumped gas.
- 3)With clean and high (ultra-high) vacuum without cooling trap and oil flap.
- 4)Supply Scope: Molecular pump, with controller and 5m connection cables.

For Turbo Molecular Pump (FB-3600 model)

- 1)High intensity for vane
- 2)Light rotor
- 3)Short start-up time
- 4)Low mechanical consumption
- 5)Long lifetime
- 5)Supply Scope: Molecular pump, with controller and 5m connection cables.

For Grease Lubricated Hybrid Molecular Pump

- 1)High stability
- 2)Easy to achieve high vacuum with oil free
- 3)Same advantage with turbo molecular pump
- 4)Supply Scope: Molecular pump, with controller and 5m connection cables.

Application:

It can be widely used in variant vacuum technology field like photovoltaic, lighting, aerospace, semi-conductor, energy, military, laser, home electrics, material, automobile, etc.



Technical Specification:

FB series Hybrid molecular pump & turbo molecular pump

Model	unit	FB-600		FB-1200		FB-1600		FB-3600	
High vacuum flange	mm	150CF	160ISO-K	200CF	200ISO-K	250CF	250ISO-K	400 ISO-K	
Fore pipe flange	mm	40 KF		40 KF		50 KF		100 ISO-K	
Pumping speed	L/s	600		1200		1600		3600	
Compression ration	N ²	>10 ⁹		>10 ⁹		>10 ⁹		>10 ⁸	
	H ²	>8×10 ³		>1×10 ⁴		>1×10 ⁴		>5×10 ²	
Ultimate pressure	Torr	<8×10 ⁻⁸	<5×10 ⁻⁷	<8×10 ⁻⁸	<5×10 ⁻⁷	<8×10 ⁻⁸	<5×10 ⁻⁷	<2×10 ⁻⁸	
Rotary Speed	rpm	24000		24000		24000		13500	
Vibration value	μm	≤0.1		≤0.1		≤0.15		≤0.15	
Start-up time	min	<4.5		<5		<6		<11	
Fore pump speed	L/s	4-8		8-15		15		30-70	
Cooling method	/	Air / water		Air / water		Air / water		water	
Ambient temperature(Air)	°C	≤20		≤20		≤20		/	
Cooling water	temperature	°C		≤35		≤35		≤25	
	consumption	L/min		1-2		1-2		2	
Bake-up temperature	°C	<120		<120		<120		<120	
Heater	Power	Kw		<250		<300		/	
	Input voltage	V		AC220		AC220		/	
Mounting position	/	Vertical ±5°		Vertical ±5°		Vertical ±5°		Vertical ±5°	
Weight	Kg	25		29		31		100	

FB series grease lubricated (hybrid) molecular pump

Model	unit	FB-300		FB-650		FB-1300		FB-2000	
High vacuum flange	mm	100CF	100ISO	150CF	160ISO-K	200CF	200ISO-K	250CF	250ISO-K
Fore pipe flange	mm	25KF		40 KF		40 KF		50 KF	
Pumping speed	L/s	300		650		1300		2000	
Compression ration	N ²	>10 ⁸		>10 ⁹		>10 ⁹		>10 ⁹	
	H ²	>1×10 ³		>8×10 ³		>1×10 ⁴		>1×10 ⁴	
Ultimate pressure	Torr	>3×10 ⁻⁷	>2×10 ⁻⁶	<8×10 ⁻⁸	<5×10 ⁻⁷	<8×10 ⁻⁸	<5×10 ⁻⁸	<8×10 ⁻⁸	<5×10 ⁻⁸
Rotary Speed	rpm	30000		24000		24000		24000	
Bearing	/	Grease lubricated ceramic bearing							
Vibration value	μm	/		≤0.1		≤0.1		≤0.1	
Start-up time	min	<4		<5		<5		<5	
Fore pump speed	L/s	2		4-8		8-15		8-15	
Cooling		/	Air	Water		Water/air		Water/air	
Cooling water	temperature	°C	/	≤20		≤20		≤20	
	Consumption	L/min	/	1		1		1	
Mounting position		/	Any	Any		Any		Any	
Weight		Kg	11	22		27		35	

Vacuum System



Vacuum System



Vacuum Valves

EVP offer kinds of vacuum valves, such as ultra-high (high) vacuum gate valve, high vacuum damper valve, vacuum ball valve, vacuum butterfly valve, high vacuum angle valve, high vacuum flap valve, Electromagnetic differential pressure charge valve etc. Customization is also available.



Vacuum Fittings

Not only vacuum pump and vacuum system, we also supply vacuum fitting, such as flange fittings, vacuum bellows, vacuum gauges accessories etc. Customization is also available.

