



## Expertly Engineered Roots Vacuum Pump Optimal Performance And Durability 4.4-69.5m<sup>3</sup>/Min

Our Product Introduction

### Basic Information

- Place of Origin: China
- Brand Name: Aipu
- Model Number: SSR-VN
- Minimum Order Quantity: 1
- Price: Negotiable
- Packaging Details: Export Standard Packaging
- Payment Terms: T/T, L/C



### Product Specification

- Flow Range: 4.4-69.5m<sup>3</sup>/min
- Material: HT200
- Models: SSR-VN
- Caliber: DN80-200mm
- Vacuum Degree: -9.8~-49kPa
- Highlight: **Durability Roots Vacuum Pump, SSR-VN Roots Vacuum Pump, Intelligent roots type pump**



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## Expertly engineered and rigorously tested to ensure optimal performance and durability

### Product Features

**Product Overview** This high vacuum Roots blower system is designed for strict operating conditions and can provide the excellent performance and reliability required for the most advanced cleanroom environment.

#### Key Technical Features

**Ultra-High Vacuum Capability**

Engineered to achieve vacuum levels down to 0.1 Torr and below

Multi-stage roots blower configuration enables high suction capacity and fast vacuum pull-down

Precise vacuum control through intelligent drive system and closed-loop feedback

**Cleanroom-Compatible Design**

Totally enclosed, dust-tight construction prevents particle contamination

Internal surfaces and components designed for easy cleaning and sterilization

Certified for use in ISO Class 1-5 cleanroom environments

**Optimized Aerodynamics**

Computational fluid dynamics (CFD) simulation used to refine airflow paths

Minimizes pressure losses and turbulence for maximum energy efficiency

Reduces noise and vibration for sensitive cleanroom operation

**Intelligent Control and Monitoring**

Advanced PLC with touchscreen HMI enables comprehensive system oversight

Integrates with facility automation and SCADA systems for remote access

Predictive diagnostics and maintenance planning maximize uptime

**Key Advantages**

Achieves the deep vacuum levels required for leading-edge semiconductor fabrication

Cleanroom-optimized design and construction prevent particle and contamination issues

Superior energy efficiency and quiet operation for sensitive manufacturing environments

Smart control and monitoring capabilities support Industry 4.0 automation

### Scope of application

It is suitable for sewage treatment industry, petrochemical industry, food and industry, textile industry, metallurgy industry, cement and construction materials industry, printing and dyeing industry and other industries.

### Market Distribution

We have 42 offices throughout the country, in addition to Taiwan Province, 33 provinces in the country's administrative regions have a sound sales and service network. We can provide you with pre-sale, in-sale and after-sales service in a timely and convenient manner, understand your needs, and constantly improve the service and quality system while meeting the customized needs of customers.

### High Performance Aerodynamic Design Methodology for Wide Service Conditions

By studying the influence of impeller and volute flow on efficiency and working stability, the R&D team proposed a flow control method and a pneumatic optimization design method to improve the performance of the main engine, which greatly improved the efficiency of the main engine.

### Manufacturing & Equipment Base

has built laboratories, R&D buildings, processing workshops, etc., with internationally advanced and China leading high-precision processing equipment.



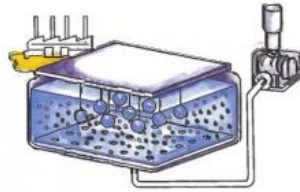
### Examples of uses



■水泡浴 Foaming in Bath



■燃烧炉 Combustion a Fireplace



■电镀槽搅拌 Stirring in Plated Vessel



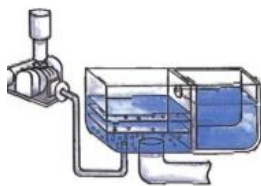
■公寓大楼的污水处理（曝气）  
Waste water Aeration in Condominiums



■工厂废水和畜产废水处理（曝气）  
Waste Water Aeration for Shop and Livestock Industries



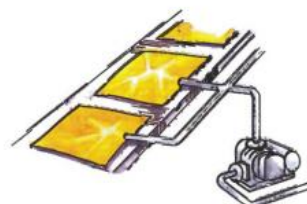
■养鱼用 Fish Care



■冲洗 Back Washing



■粉体输送（水泥、饲料、小片状物）  
Transport of Particles



■食品真空包装  
Vacuum Pack for Foods

## SSR-VN 真空性能表

TYPE SSR-VN VACUUM PERFORMANCE TABLE

Qs 进风状态风量(m<sup>3</sup>/min)

Suction-phase Air Volumem<sup>3</sup>/min)

La 所需动力(kW)

Required electric power(kW)

5.5kW 7.5kW 11kW 15kW 18.5kW 22kW 30kW 37kW 45kW 55kW  
75kW 90kW

型式	口径	转速 rpm	各真空度下的进口流量 (m <sup>3</sup> /min)										转速 rpm
			-0.1kgf/cm <sup>2</sup> -9.8KPa		-0.2kgf/cm <sup>2</sup> -19.6KPa		-0.3kgf/cm <sup>2</sup> -29.4KPa		-0.4kgf/cm <sup>2</sup> -39.2KPa		-0.5kgf/cm <sup>2</sup> -49KPa		
			Qs	La	Qs	La	Qs	La	Qs	La	Qs	La	
SSR-80VN	80A	1950	5.58	3.07	5.38	3.71	5.14	4.87	5.02	5.74	4.78	6.60	1950
		2100	6.00	3.48	5.80	4.30	5.59	5.52	5.46	6.51	5.23	7.46	2100
		2300	6.60	3.96	6.39	5.12	6.22	6.24	6.06	7.51	5.86	8.59	2300
		2500*	7.19	4.31	6.97	5.58	6.84	6.85	6.66	8.23	6.48	9.58	2500*
		2700*	7.78	4.67	7.56	6.05	7.43	7.44	7.27	8.96	7.13	10.47	2700*
		2940*	8.54	5.12	8.32	6.65	8.19	8.17	8.08	9.90	7.95	11.66	2940*
SSR-100VN	100A	3200*	9.38	5.82	9.16	7.40	9.03	8.99	8.95	10.92	8.84	12.87	3200
		1950	8.14	5.37	7.83	6.37	7.50	7.57	7.28	8.50	6.99	9.67	1950
		2100	8.71	5.93	8.44	7.12	8.14	8.29	7.91	9.46	7.65	10.60	2100
		2300	9.54	6.58	9.29	8.01	9.02	9.17	8.79	10.47	8.57	11.86	2300
		2500*	10.41	7.29	10.15	8.85	9.90	10.24	9.70	11.61	9.49	13.34	2500
		2700*	11.30	8.02	11.00	9.82	10.80	11.26	10.60	12.87	10.43	14.69	2700*
SSR-125VN	125A	2940*	12.43	8.95	12.10	10.78	11.90	12.74	11.74	14.18	11.59	16.32	2940*
		3200*	13.67	9.98	13.34	12.14	13.14	14.04	13.00	15.90	12.87	18.13	3200*
		1870	13.90	4.31	13.51	6.13	13.19	8.83	12.87	11.49	12.42	14.80	1870
		2000	14.80	5.03	14.40	6.83	14.09	9.72	13.74	12.55	13.26	16.09	2000
		2150*	15.86	5.87	15.45	7.79	15.16	10.92	14.82	13.98	14.30	17.64	2150*
		2300*	16.90	6.76	16.51	8.83	16.24	12.02	15.92	15.49	15.33	19.21	2300*
SSR-150VN	150A	2450*	17.94	7.71	17.59	9.94	17.33	13.35	17.01	17.06	16.39	20.86	2450*
		2600*	19.00	8.74	18.68	11.11	18.42	14.75	18.14	18.55	17.49	22.78	2600*
		2750*	20.07	9.64	19.77	12.36	19.55	16.23	19.27	20.07	18.59	24.56	2750*
		2950*	21.60	11.00	21.33	14.06	21.11	18.30	20.87	22.27	20.17	27.52	2950*
		1620	22.71	12.04	21.86	15.95	21.24	20.14	20.57	24.54	19.91	28.96	1620
		1780	25.48	13.51	24.65	18.10	24.05	22.84	23.43	27.91	22.83	32.68	1780
SSR-200VN	200A	1940	28.26	14.98	27.45	20.29	26.85	25.66	26.28	31.33	25.76	36.68	1940
		2140*	31.67	17.42	30.88	23.08	30.30	29.14	29.77	35.24	29.32	41.29	2140*
		2260*	33.67	18.52	32.87	24.75	32.30	31.34	31.79	37.84	31.37	44.30	2260*
		2400*	36.02	20.17	35.22	26.74	34.65	33.91	34.17	40.89	33.79	47.48	2400*
		2600*	39.40	22.06	38.60	29.66	38.05	37.13	37.59	44.81	37.28	52.44	2600*
		1060	33.80	10.82	32.40	18.42	31.93	25.06	31.33	31.63	30.27	38.18	1060
SSR-200VN	200A	1230	40.75	13.04	39.36	22.23	38.96	30.27	38.48	38.22	37.59	46.22	1230
		1390	47.27	15.60	45.88	26.29	45.56	35.62	45.18	44.87	44.44	54.23	1390
		1480	50.83	17.28	49.44	28.78	49.14	38.83	48.81	48.79	48.13	58.87	1480
		1660	58.07	19.74	56.66	32.90	56.44	44.39	56.21	55.79	55.68	67.38	1660
		1790	63.18	22.11	61.75	36.44	61.57	48.94	61.39	61.36	60.95	74.00	1790
		1960	69.97	24.49	68.52	40.37	68.40	54.23	68.32	67.99	68.01	82.04	1960

\* 标记为 2 极电机



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