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昊青气体装备技术(江苏)有限公司
EVER BLUE GAS EQUIPMENT TECHNOLOGIES (JIANGSU) CO., LTD.

江苏·昆山 215300

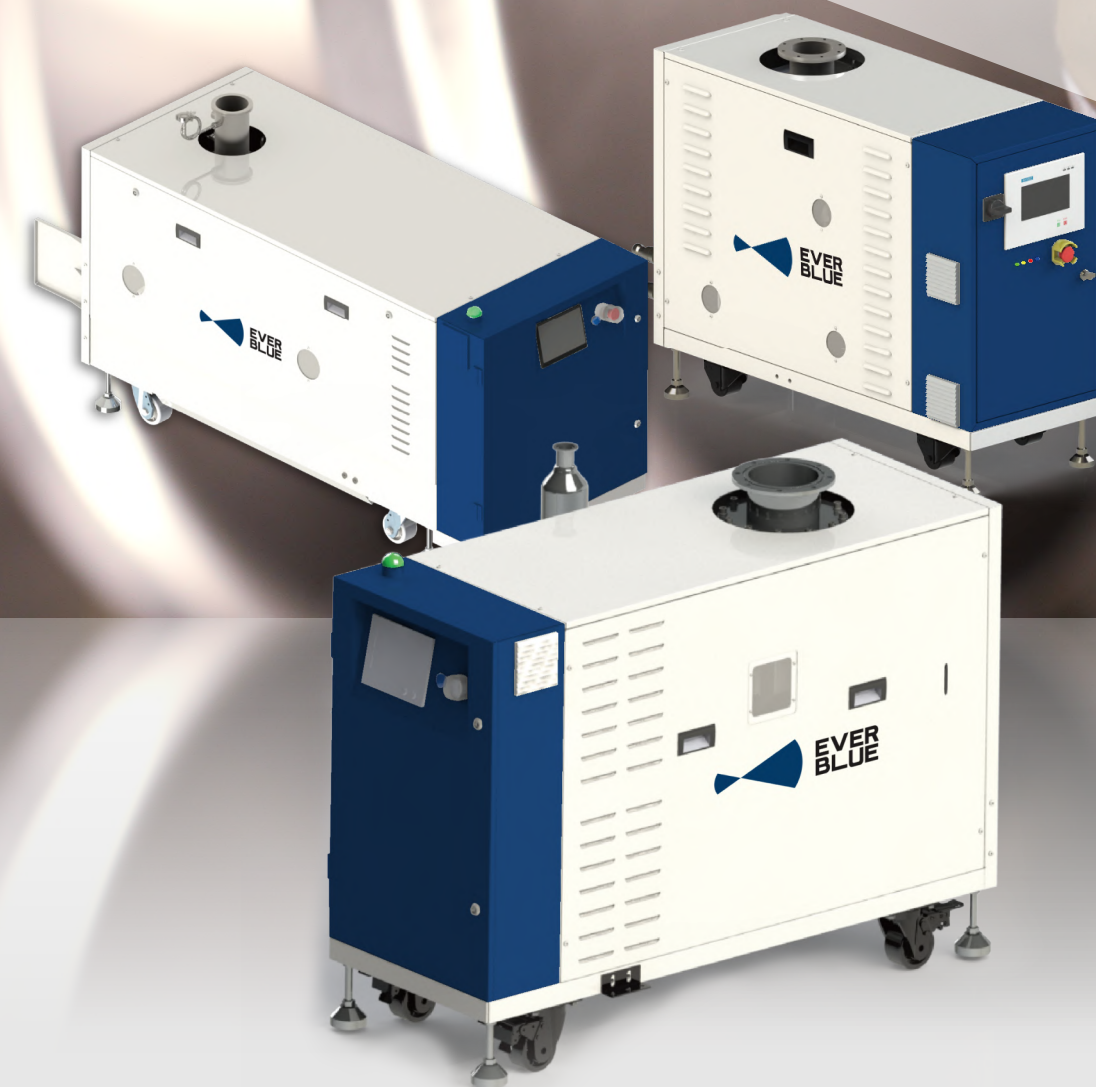
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昊青干式螺杆真空泵 DRY SCREW VACUUM PUMP



ABOUT US

昊青气体装备技术（江苏）有限公司，位于全国百强县之首的江苏省昆山市，地理位置优越，交通便利。昊青专注于真空泵、压缩机及鼓风机等产品的研发、生产和销售，是由压缩机、真空泵领域资深从业人员发起设立的国内一家年轻而又富有活力和创造力的气体装备公司，目前公司已取得20余项技术专利，是国家高新技术企业、江苏省民营科技企业。昊青不懈地追求优秀的产品性能和服务品质，注重技术与管理创新，持续改进产品和服务，推进自身与行业的健康发展，努力成为客户的优选伙伴，为用户创造更大的价值。

昊青拥有一支专业性强、综合素质高的技术研发、生产制造、市场营销及服务团队，自有的大型生产基地，配套严格的生产和检测流程，确保了出厂产品的质量。旗下产品远销全国各地以及东南亚、欧洲等海外地区，已被广泛应用于人类经济活动的各个领域，如电子半导体、平板显示、化工、光伏太阳能、实验室科研、锂电新能源、生物制药、吸塑包装、木工家具、复合材料、陶瓷制砖等，“昊青”品牌获得了广大客户的支持和信任，其产品质量也得到了市场的充分验证，“性能高、品质好、成本优”已成为昊青产品的代名词。

一流的产品质量、诚信高效的售后服务，使昊青得以立足于市场洪流。我们始终“以专注自豪、匠心打造”为经营理念，遵循“专业高效、诚信务实、创享未来”的价值准则，以“成为客户信赖、行业一流的品牌”为奋斗目标。我们将协同员工、客户、合作伙伴等创造者，通过不懈地技术研发，为市场提供绿色低碳、节能减排的产品，赋能真空行业的创新与绿色可持续发展。

EVER BLUE Equipment Technology (Jiangsu) Co., Ltd., strategically located in Kunshan City, Jiangsu Province (top-ranked among China's top 100 counties), specializes in R&D, production, and sales of vacuum pumps, compressors, and blowers. Founded by seasoned professionals in compressor/vacuum pump technology, this young, dynamic, and innovative manufacturer holds 20+ patents and is certified as a National High-Tech Enterprise and Jiangsu Provincial Private Sci-Tech Enterprise. With unwavering commitment to product excellence and service quality, EVER BLUE drives sustainable growth through technological and managerial innovation, striving to become the preferred partner delivering exceptional value across industries.

EVER BLUE boasts a professional team in R&D, production, marketing, and services. With a large-scale production base and stringent manufacturing/inspection processes, it delivers high-quality products distributed across China and exported to Southeast Asia, Europe, and beyond. Widely applied in industries like semiconductor, flat-panel display, chemical, photovoltaics, research, lithium energy, medical & pharma, thermoforming packaging, woodworking, and ceramics, the “EVER BLUE” brand has earned market trust through rigorously validated performance. Synonymous with high efficiency, premium quality, and cost-effectiveness, its products redefine industry benchmarks.

EVER BLUE will provide efficient and environmentally friendly products to the market and strive to create more value for customers through unremitting technological research and development. EVER BLUE will always practice the concept of green, environmental protection, energy saving and emission reduction, and actively assume corporate social responsibility. EVER BLUE will make great efforts to achieve a long-lasting foundation, jointly protect our blue water and blue sky, and make the blue homeland of mankind more beautiful.

我们的荣誉和实力见证

BRAND HONOR STRENGTH CERTIFICATION



昊青干式螺杆真空装备

EVER BLUE DRY SCREW VACUUM EQUIPMENT

我们团队拥有20多年流体机械的经验，并有超过数十万套的螺杆设备安装在世界各地，我们的优质产品和应用知识在流体机械领域广为人知。

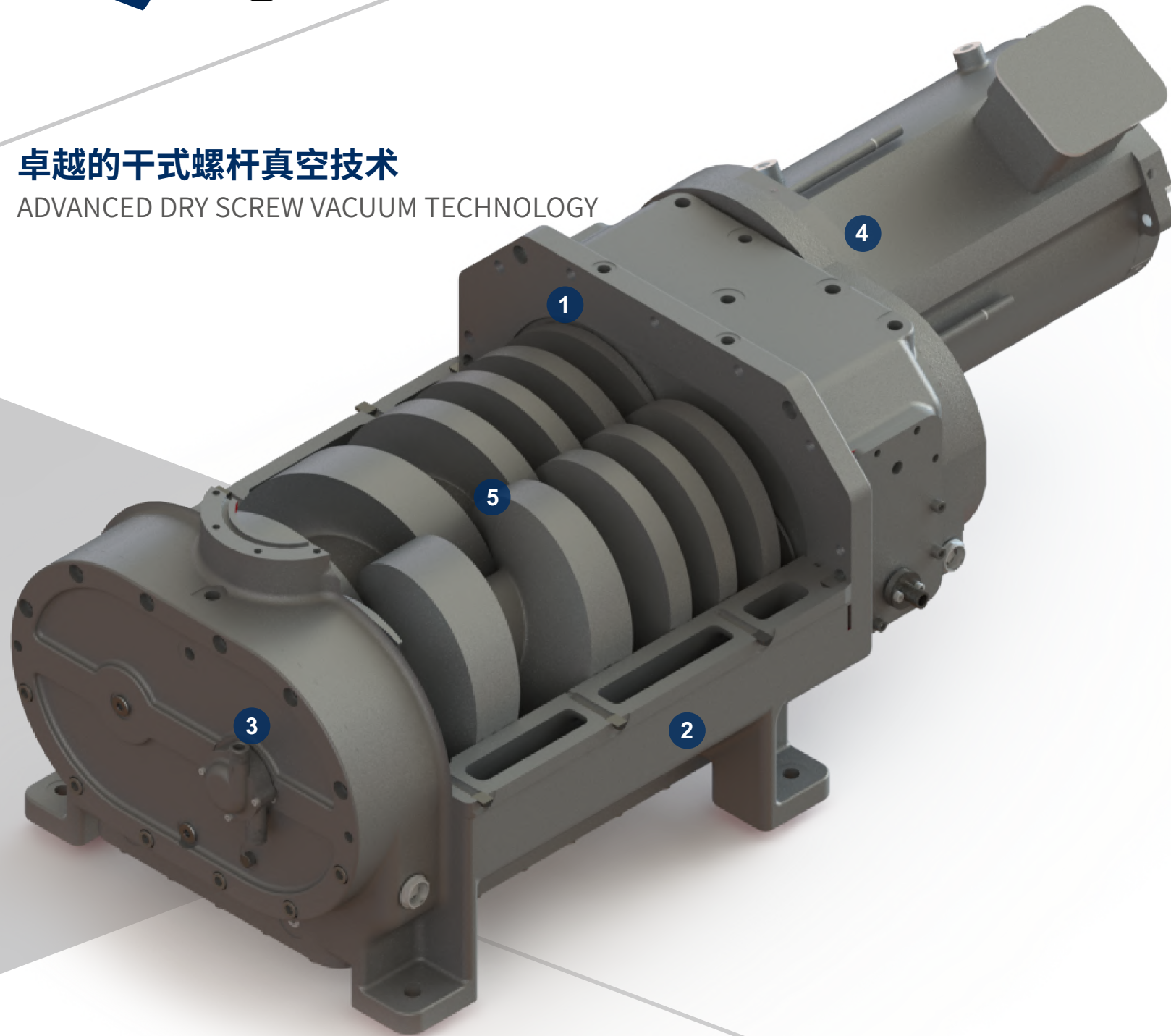
We have more than 20 years of experience in fluid machinery, and have more than hundreds of thousands of screw equipment installed around the world. Our high-quality products and applications are widely known in the fluid machinery field.

昊青创新干式螺杆将真空装备性能提升至新的水平。独特的螺杆技术，实现了先进的温度控制和超长的维护间隔，为您保证高可靠性的抽气速率和安装使用多年后的低运行成本。紧凑、智能化的昊青真空装备是工业应用领域稳定耐用的真空设备。

EVER BLUE innovative dry screw improves the performance of vacuum pump to a new level. The unique screw technology realizes advanced temperature control and long maintenance intervals, which ensures high reliable pumping speed and low operating cost after years of installation and operation. The compact and intelligent EVER BLUE vacuum pump is a stable and durable vacuum pump in industrial applications.

卓越的干式螺杆真空技术

ADVANCED DRY SCREW VACUUM TECHNOLOGY



1 高效的组合密封设计

EFFICIENT COMBINED SEAL DESIGN

- 根据客户的应用需求,量身定制先进的组合密封,使用寿命长,实现高效密封性能
- 可以结合气体密封吹扫,防止齿轮和轴承受到污染真空完全无油

According to different application requirements, the advanced combined seal can be customized to achieve long service life and high efficiency sealing performance

It can be combined with gas seal purging to protect gears and shafts from contamination; and the vacuum environment is completely oil-free

2 长寿命周期轴承和润滑设计

LONG LIFE CYCLE BEARING AND LUBRICATION DESIGN

- 与世界一流的轴承品牌供应商紧密合作共同开发和设计轴承方案,提高轴承使用寿命和可靠性
- 齿轮和轴承采用高标准的真空设备专用油润滑,维护周期长,油品性能稳定

Cooperate closely with world-leading bearing brand suppliers to jointly develop and design bearing solutions to improve bearing service life and reliability

Gear and bearing are lubricated with high standard vacuum pump special oil to ensure long maintenance interval and stable oil performance

3 先进的温度和压力控制技术

ADVANCED TEMPERATURE AND PRESSURE CONTROL TECHNOLOGY

- 拥有闭环水冷温控技术,可以有效改善设备温度控制
- 拥有先进的内压可调技术,可以通过独特设计的旁通结构,提高从粗真空到中高真空的全压力段适应性

With closed-loop water cooling temperature control technology, it can effectively control and improve the pump temperature

With advanced internal pressure adjustable technology, it can improve the adaptability of the full pressure section from rough vacuum to medium-high vacuum through a unique design of bypass structure

4 高效低噪音电机及驱动技术

HIGH-EFFICIENCY & LOW-NOISE MOTOR AND DRIVE TECHNOLOGY

- 配置高效的电机和驱动技术,优化不同工艺下的转矩性能,为客户节约使用成本
- 水冷式电机采用整体密封设计,提高设备的运行可靠性,降低运行噪音

With high-efficiency motor and drive technology, it can optimize torque performance under different processes to save costs for users

The water-cooled motor adopts the overall sealing design to improve the running reliability of the pump and reduce the noise level

5 先进的型线和结构设计

ADVANCED PROFILE AND STRUCTURE DESIGN

- 多样性的型线设计,为客户不同应用提供高性能、低噪音的转子型线解决方案。先进的等径变距、变径变距以及复合螺杆均可实现
- 高精度加工制造和先进的工艺技术,帮助实现产品的可靠性和性能的一致性
- 可靠的支撑结构设计,产品具有很强的粉尘和液体处理能力,适合苛刻工艺

Diversified profile design can provide high-performance and low-noise rotor profile solutions for different process applications. Advanced equal-diameter & variable-pitch rotor, variable-diameter & variable-pitch rotor and composite screw all can be realized

High-precision machining & manufacturing and advanced technology can help to achieve product reliability and performance consistency

With reliable support structure design, the pump has strong dust and liquid handling capacity, and it is suitable for harsh processes



真空装备参数

TECHNICAL PARAMETERS
SINGLE DRY SCREW VACUUM PUMP

EV系列等径变距干式无油真空装备

EV SERIES DRY OIL-FREE VACUUM PUMP (EQUAL DIAMETER AND VARIABLE PITCH)

- 1

大抽速干式螺杆真空泵，独有型线设计。
Large suction quick dry screw vacuum pump, unique line design.
- 2

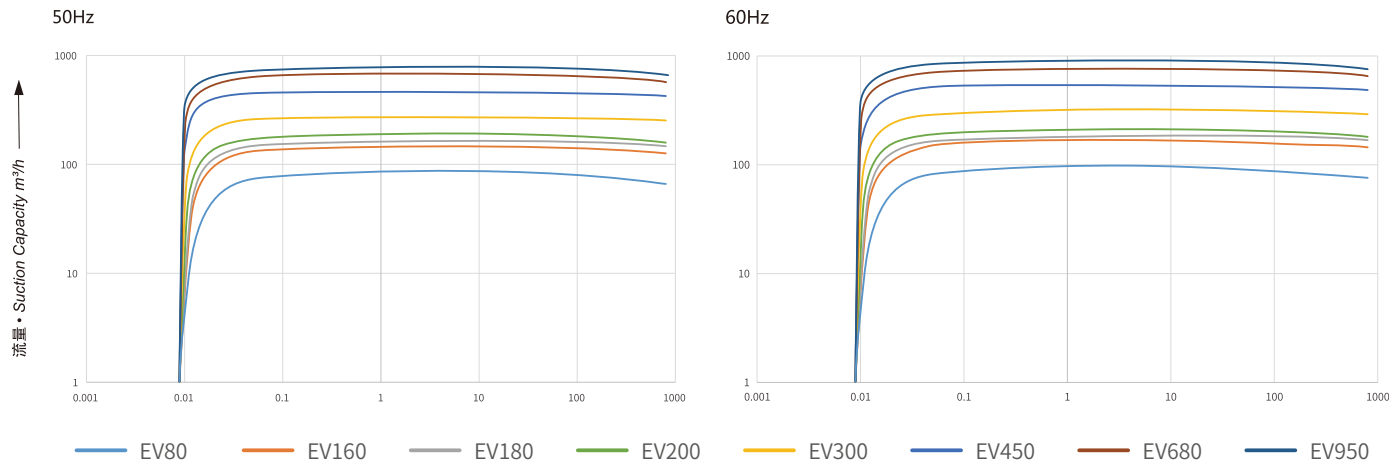
采用水冷电机+变频驱动，抽速调节范围宽，工况适应性更好。
Water cooled motor + frequency conversion drive, wide range of pumping speed adjustment, better adaptability to working conditions.
- 3

全套水冷却壳体设计，泵体和排气温度均可控，噪音也更低。
Complete water cooling housing design, pump body and exhaust temperature control, lower noise.



性能曲线

PERFORMANCE CURVE



机型 Model		单位 Unit	EV80	EV180	EV200	EV300	EV450	EV680	EV950
抽速 Pumping Speed (50Hz/60Hz)		m³/h	80/96	150/180	200/240	300/360	450/580	680/800	790/950
压力 Ultimate Pressure		Torr	≤7.5×10 ⁻³						
		mbar	≤1×10 ⁻²						
		Pa	≤1						
水冷密封马达 Water Cooling Motor	频率 Frequency	Hz	50/60						
	电压 Voltage	V	220-380						
	额定功率 Rated Power	kW	3	4.5	6	6	15	22	22
连接 Connection	进气口 Inlet		KF50		ISO63		ISO100		
	排气口 Outlet		KF40				ISO63		ISO80
冷却水 Cooling Water	流量 Flow	L/min	3-8		6-10		10-15		
	压力 Pressure	kg/cm²	2-4						
	温度 Temperature	℃	18-30						
	接头 Connection		RC 1/2"						
氮气 N ₂	压力 Pressure	z	0.15-0.20						
	气镇流量 Dilute Flow	L/min	0-60						
	密封流量 Sealing Flow	L/min	0-20						
	接头 Connection		Swagelok 1/4"						
尺寸 Dimension (L×W×H)		mm	1368*880*673	1368*580*691	910*420*760	1417*588*722	1906*789*853	1942*789*908	1807*790*932
重量 Weight		kg	280	340	440	440	950	1100	1200
噪音 Noise		dB(A)	<68	<70	<72	<72	<75	<80	<80
真空泵最大漏率 MLP		Pa.m³/s	1×10 ⁻⁵						
室温操作范围 Operating Temperature		℃	5~40						

所列仅为部分典型机组，其他抽速要求均可技术交流选型。



真空机组参数

TECHNICAL PARAMETERS
DRY SCREW VACUUM PUMP SET

EDR/EVR/EVH系列真空机组设备

EDR/EVR/EVH SERIES VACUUM PUMP SET

- 1

首创两级抽空一体化结构设计，更节能、更低噪、更紧凑。
The first two-stage evacuated integrated structure design, more energy saving, lower noise, more compact.
- 2

首创全水冷二合一变频驱动，电控系统密封等级高，防尘防水散热性好，驱动更节能。
The first all-water-cooled two-in-one frequency conversion drive, the electric control system has a high sealing grade, good dust and waterproof heat dissipation, and the drive is more energy saving.

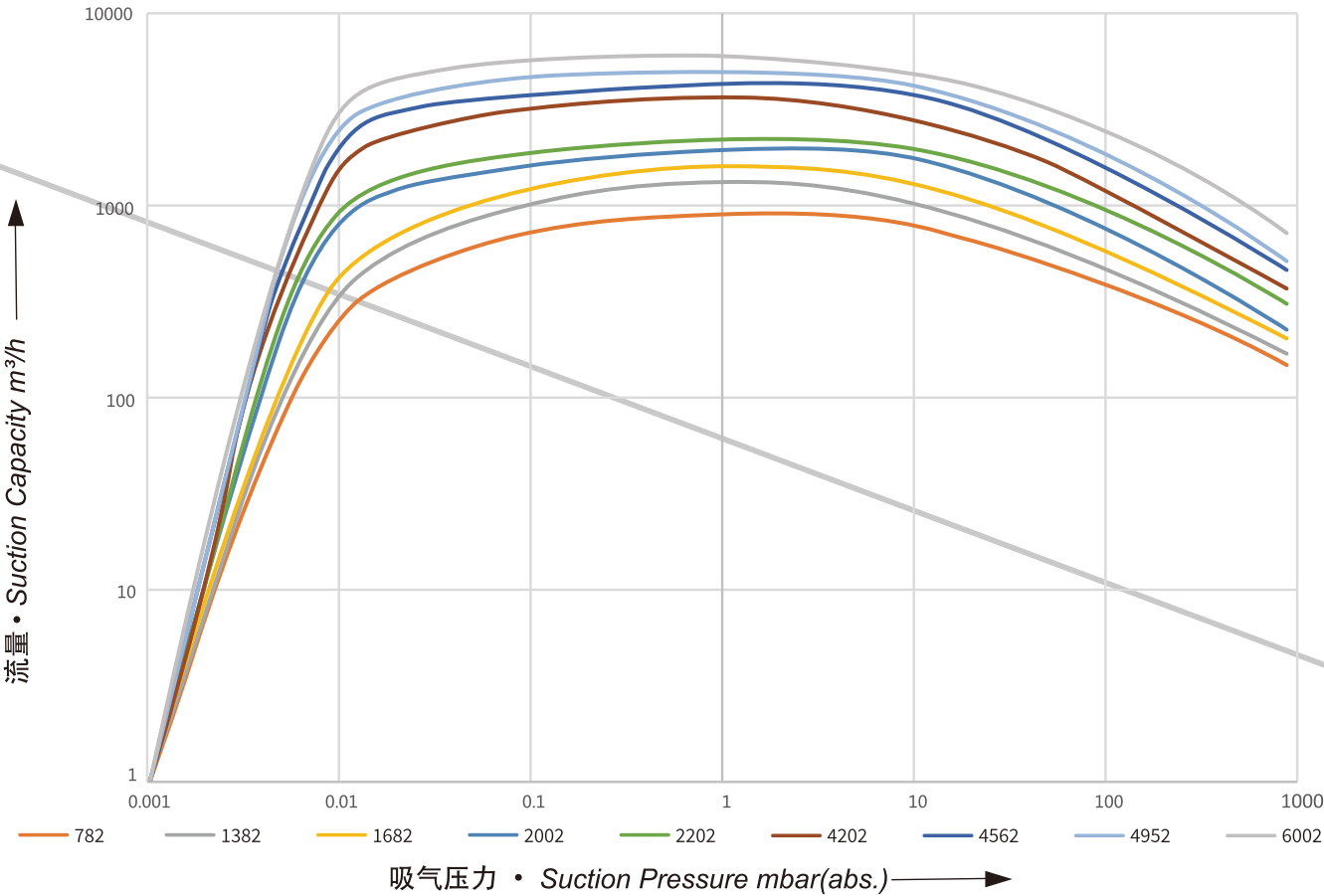


主要适用于半导体、光伏太阳能、锂电新能源等行业

MAINLY APPLIED IN THE INDUSTRIES SUCH AS SEMI-CONDUCTOR, PHOTOVOLTAIC SOLAR ENERGY, LITHIUM NEW ENERGY, ETC.

性能曲线

PERFORMANCE CURVE



机型 Model		单位 Unit	982	1382	1682	2202	4302	4952	6002	6302	7203
抽速 Pumping Speed (50Hz/60Hz)		m³/h	860	1200	1500	2100	4200	4500	5400	6300	7200
压力 Ultimate Pressure		Torr	≤7.5×10 ⁻³								
		mbar	≤1×10 ⁻²								
		Pa	≤0.1								
水冷密封马达 Water Cooling Motor	频率 Frequency	Hz	50/60								
	电压 Voltage	V	220-380								
	额定功率 Rated Power	kW	4.5+4.5			6+4.5	6+6	15+15	22+8	22+15	
连接 Connection	进气口 Inlet		ISO100	ISO160			ISO200	ISO250			
	排气口 Outlet		KF40					ISO63			
冷却水 Cooling Water	流量 Flow	L/min	3-8			6-10	10-15				
	压力 Pressure	kg/cm²	2-4								
	温度 Temperature	℃	18-30								
	接头 Connection		RC 3/8"							RC 1/2"	
氮气 N ₂	压力 Pressure	z	0.15-0.20								
	气镇流量 Dilute Flow	L/min	依制程·By Process								
	密封流量 Sealing Flow	L/min	0-20								
	接头 Connection		Swagelok 1/4"								
尺寸 Dimension (L×W×H)		mm	1100*420*996	1280*720*1105	1370*680*1100	1360*720*1110	1360*750*1020	1560*1420*789			
重量 Weight		kg	600	660	685	720	830	1100	1200	1300	
噪音 Noise		dB(A)	<70			<72	<75	<80			
真空泵最大漏率 MLP		Pa.m³/s	1×10 ⁻⁵								
室温操作范围 Operating Temperature		℃	5~40								

所列仅为部分典型机组，其他抽速要求均可技术交流选型。

涂层防护

COATING PROTECTION

针对各种特殊制程应用，可定制相对应的涂层，以达到良好的防护效果
For various special process applications, the corresponding coatings can be customized to achieve good rotection effect.

涂层 Coating				
涂层 Coating	制程应用 Process Application			
	干净制程 Clean Process	腐蚀制程 Corrosive Process	粉尘制程 Powder Process	粉黏制程 Sticking Porcess
Defric	●			
Ni	●	●		
Ni-Teflon	●	●	●	
NMC	●	●	●	●



真空机组参数

TECHNICAL PARAMETERS
DRY SCREW VACUUM PUMP ST

ECR系列真空机组设备

ECR SERIES VACUUM PUMP SET

主要适用于半导体、光伏太阳能、锂电新能源等行业

MAINLY APPLIED IN THE INDUSTRIES SUCH AS SEMI-CONDUCTOR, PHOTOVOLTAIC SOLAR ENERGY, LITHIUM NEW ENERGY, ETC.



真空机组参数

TECHNICAL PARAMETERS
DRY SCREW VACUUM PUMP SET

EFR系列真空机组设备

EFR SERIES VACUUM PUMP SET

主要适用于半导体、光伏太阳能、锂电新能源等行业

MAINLY APPLIED IN THE INDUSTRIES SUCH AS SEMI-CONDUCTOR, PHOTOVOLTAIC SOLAR ENERGY, LITHIUM NEW ENERGY, ETC.



机型 Model		单位 Unit	602	1212	1802	3032	5302	6002
抽速 Pumping Speed		m³/h	860	1200	1800	3000	4500	5400
压力 Ultimate Pressure		Pa	≤0.1(不加气镇 without purge)					
水冷密封马达 Water Cooling Motor	干泵额定功率 Rated Power	kW	6			10	15	
	罗茨泵额定功率 Rated Power	kW	4	6	8	20		
	电压 Voltage	V	380					
接口 Connection	进气口 Inlet		ISO100	ISO160	ISO200	ISO250		
	排气口 Outlet		KF40					
冷却水 Cooling Water	流量 Flow	L/min	2-11					
	压力 Pressure	kg/cm²	2-4					
	温度 Temperature	°C	15-25					
	接头 Connection		RC 3/8"					
氮气 N₂	压力 Pressure	bar	0.15-0.20					
	气镇流量 Dilute Flow	L/min	依制程·By Process					
	密封流量 Sealing Flow	L/min	0-20					
	接头 Connection		Swagelok 1/4"					
真空泵最大漏率 MLP		Pa.m³/s	1×10⁻⁵					
室温操作范围 Operating Temperature		°C	5-40					

所列仅为部分典型机组,其他抽速要求均可技术交流选型。

机型 Model		单位 Unit	612	1252	1852	3052	5352	6052
抽速 Pumping Speed		m³/h	860	1200	1800	3000	4500	5400
压力 Ultimate Pressure		Pa	≤0.1(不加气镇 without purge)					
水冷密封马达 Water Cooling Motor	干泵额定功率 Rated Power	kW	6			15		
	罗茨泵额定功率 Rated Power	kW	4	6	8	20		
	电压 Voltage	V	380					
接口 Connection	进气口 Inlet		ISO100	ISO160	ISO200	ISO250		
	排气口 Outlet		KF40					
冷却水 Cooling Water	流量 Flow	L/min	4-8	5-8	6-10	12-15		
	压力 Pressure	kg/cm²	2-4					
	温度 Temperature	°C	10-30			10-25		
	接头 Connection		RC 3/8"					
氮气 N₂	压力 Pressure	bar	2-6					
	气镇流量 Dilute Flow	L/min	0-60					
	密封流量 Sealing Flow	L/min	0-20					
	接头 Connection		Swagelok 1/4"					
真空泵最大漏率 MLP		Pa.m³/s	1×10⁻⁵					
室温操作范围 Operating Temperature		°C	5-40					

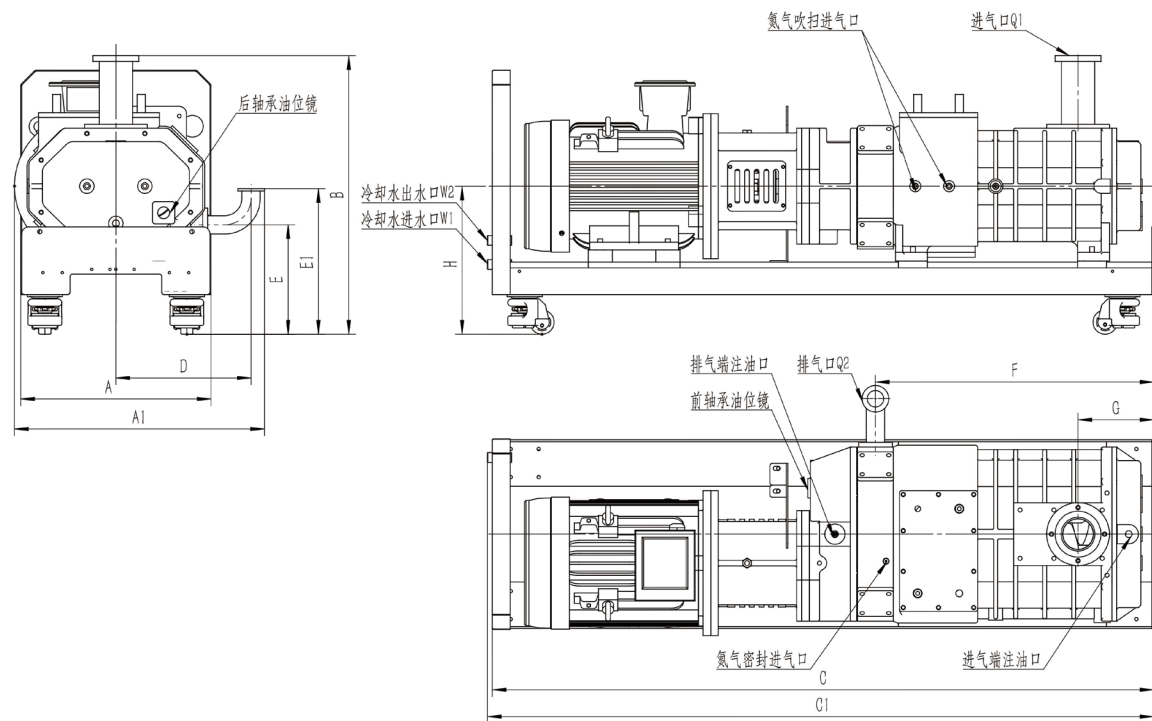
所列仅为部分典型机组,其他抽速要求均可技术交流选型。

尺寸图

DIMENSIONAL DRAWING

EV系列真空装备(风冷)

EV SERIES VACUUM PUMP(AIR-COOLED)



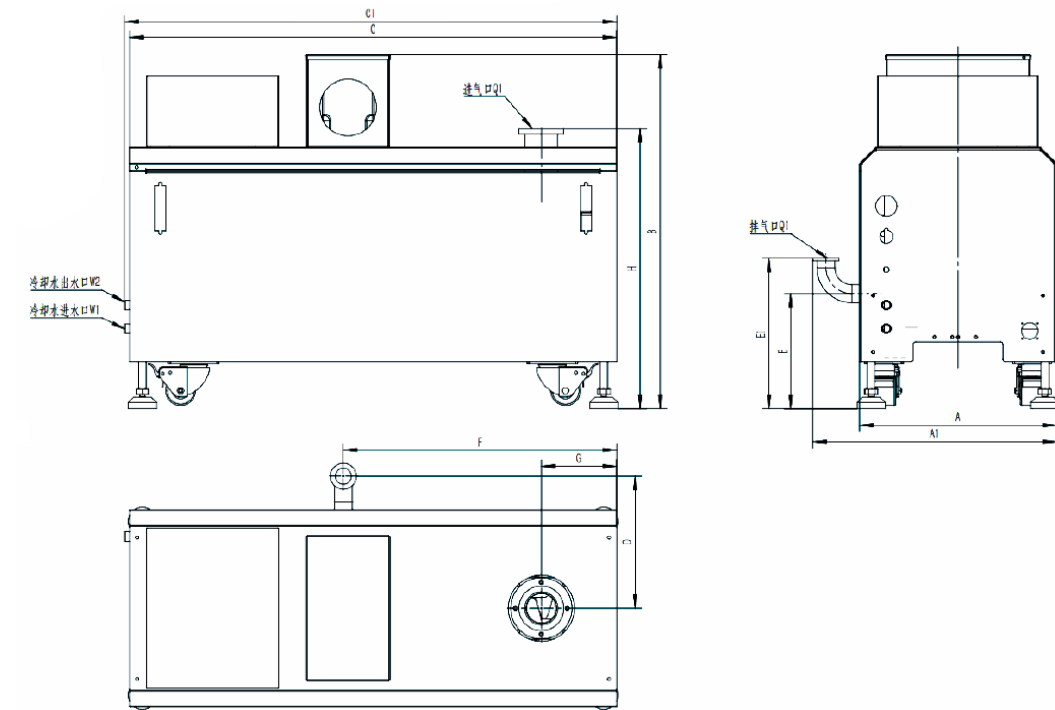
机型 Model	EV80	EV180	EV300	EV680	EV950
尺寸 Dimension					
A	496	350	350	590	610
A1	574	553	553	767	-
B	652	743	751	898	894
C	1250	1230	1300	1750	1530
C1	1250	1270	1380	1980	1830
D	315	310	310	425	0
E	318	371	376	422	195
E1	393	447	452	425	0
F	418	462	566	726	1699
G	132	125	144	226	300
H	385	302	462	445	894
W1	PT3/8				
W2	PT3/8				
Q1	KF50		ISO63	ISO100	
Q2	KF40			ISO63	

尺寸图

DIMENSIONAL DRAWING

EV系列真空装备(水冷)

EV SERIES VACUUM PUMP(WATER-COOLED)

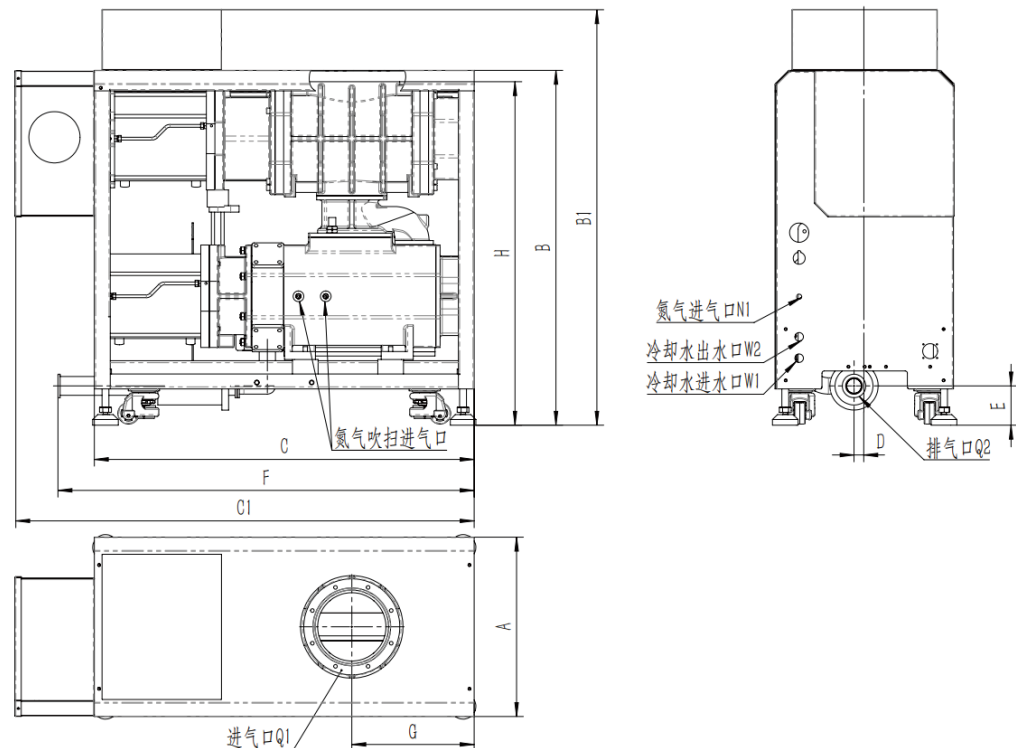


机型 Model	EV80	EV180	EV300	EV680	EV950
尺寸 DIMENSION					
A	420	420	430	678	700
A1	497.5	502.5	516.5	802.5	-
B	753	753	758	811	830
C	910	910	1090	1550	1800
C1	902	902	1042	1042	-
D	265	270	280	425	0
E	256	252	244	381	381
E1	326	322	319	456	461
F	588	592	579	773	800
G	187	134	207	273	300
H	579.5	579.5	594	829	850
W1	PT3/8				
W2	PT3/8				
Q1	KF50		ISO63	ISO100	
Q2	KF40			ISO63	



尺寸图

DIMENSIONAL DRAWING
EDR/EVR/EVH系列真空机组
EDR/EVR/EVH SERIES VACUUM PUMP SET



机型 Model	EDR1382	EVH2002	EVH2202	EVH4202	EVH6002
尺寸 Dimension					
A	480	480	480	537	819
B	850	910	895	1021	1419
B1	1105	-	1154	-	-
C	1210	1280	1280	1355	1952
C1	-	-	-	-	-
D	295	0	295	103	98
E	240	157	277	277	248
F	552	1352	603	653	1840
G	353	329	329	379	512
H	823	879	869	990	1357
N1	6				
W1	PT3/8			PT1/2	PT1/2
W2	PT3/8			PT1/2	PT1/2
Q1	ISO100			ISO160	ISO250
Q2	KF40			KF40	ISO63

满足各种行业应用

MEET VARIOUS APPLICATION REQUIREMENTS

半导体
SEMICONDUCTOR

用于芯片、液晶面板、PLASMA、ALD/CVD等严苛工艺制程
Applied in the harsh processes of chip, LCD panel, etching PLASMA, ALD/CVD, etc.

化工
CHEMICAL

用于处理蒸汽、腐蚀性气体和可燃性气体
Applied in the processes of handling steam, corrosive gas and combustible gas.

光伏太阳能
PHOTOVOLTAICS

用于拉晶、镀膜、组件层压等工艺制程
Applied in the processes crystal pulling, coating, component lamination, etc.

实验室科研
RESEARCH

用于气体循环、气体采样抽滤、抽真空、间接抽水等实验环境需求
Applied in the processes of crystal pulling, coating, component lamination, etc.

锂电新能源
LITHIUM ENERGY

用于合浆、注液、烘烤等工艺制程
Applied in the processes of mixing, liquid injection, baking, etc.

生物医药
MEDICAL & PHARMA

用于真空冷冻、干燥等关键工艺制程
Applied in key processes of freezing, drying, etc.

进气口和排气口可选附件

GAS INLET AND EXHAUST OPTIONAL ACCESSORIES

- 1 前级转接管可以安装仪表
THE FRONT ADAPTER CAN BE INSTALLED WITH INSTRUMENTS
- 2 定制化进气法兰
CUSTOMIZED INLET FLANGE
- 3 采用聚酯或不锈钢滤网的进气过滤器
INLET FILTER WITH POLYESTER OR STAINLESS STEEL SCREEN
- 4 可清洗可排水的排气消音器
WASHABLE AND DRAINABLE EXHAUST SILENCER
- 5 排气单向阀
ONE-WAY EXHAUST VALVE

控制和监控附件

CONTROL AND MONITORING ACCESSORIES

- 1 便携式设备显示终端
PORTABLE PUM DISPLAY TERMINA
- 2 Modbus协议/数字接口模块
MODBUS PROTOCOL/DIGITAL INTERFACE MODULE
- 3 水/氮气流量监控附件包
WATER/NITROGEN FLOW MONITORING ACCESSORY PACKAGE
- 4 压力和温度传感器
PRESSURE AND TEMPERATURE SENSOR
- 5 可视压力表和温度表
VISUAL PRESSURE GAUGE AND TEMPERATURE GAUGE



服务与支持

SERVICE AND SUPPORT



昊青为您提供的不仅仅是高效可靠的实体产品，更有涵盖售前、售中和售后全过程的完善的服务体系。EVER BLUE provides you not only efficient and reliable physical products, but also a complete service system covering the whole process of pre-sales, in-sales and after-sales.



项目开展之前，我们为您提供技术咨询、方案设计、合理化建议等服务。Before the start of a project, we will provide you with services such as technical consultation, scheme design, rationalization proposal, etc.



项目过程中，我们将为您进行设备的使用操作、维护等技术培训。During the implementation of the project, we will provide you with technical training about the running operation and maintenance of the equipment.



项目结束后，我们将为您提供专业的售后服务，确保设备一直处于健康高效的运行状态，为您提供高效稳定的生产力。After the project handover, we will provide you with professional after-sales services to ensure that the equipment is always in a healthy and efficient operating state and that efficient and stable productivity is provided to you.



昊青除了为客户提供标准质保服务，还为客户贴心设计了易保养计划即蓝色保障服务。In addition to providing customers with standard quality assurance services, EVER BLUE also intimately designs "E Service Plan", i.e. BLUE GUARANTEE service, for customers.