

YRV-16/30

Two-stage rotary vane
Vacuum pump

双级旋片式真空泵

- 良好的散热:** 内置风冷结构, 无需外接水冷却箱, 减少占地面积和维护成本。
- 优秀的性能:** 整体式缸体结构, 具有更高的精度, 经验证过的旋片技术, 使性能更加稳定, 瑞士进口的排气阀片保证100亿次的运行寿命。
- 多档气镇设计:** 满足不同客户的真空度要求和蒸汽的处理能力。
- 双重防返油结构:** 自动防返油阀, 更可靠地保护您的真空系统, 在停机后免受油的污染。
- 强制润滑:** 内置齿轮泵及恒压供油机构强制供油, 高吸气压强下也能稳定可靠运行。
- 氟橡胶密封件:** 提高抗腐蚀性, 解决漏油问题。
- 高品质油雾过滤器(可选配):** 有效过滤油雾, 保护环境清洁。

- Good Heat Dissipation:** It features a built-in air-cooling structure and doesn't require an external water cooling tank, thus reducing the floor space occupied and maintenance costs.
- Excellent Performance:** Integral cylinder structure with higher precision. Proven vane technology ensures more stable performance. Swiss-imported exhaust valve plates guarantee a service life of 1 billion cycles.
- Multi-stage Gas Ballast Design:** Meets different customers' requirements for vacuum levels and water steam handling capabilities.
- Dual Anti-return Oil Structure:** Automatic anti-return oil valve, reliably protects your vacuum system from oil contamination after shutdown.
- Forced Lubrication:** Built-in gear pump and constant pressure oil supply mechanism ensure forced oil supply, providing stable and reliable operation even under high suction pressures.
- Fluoro Rubber Seals:** Enhance corrosion resistance and solve oil leakage issues.
- High-quality Oil Mist Filter (Optional):** Effectively filters oil mist, maintaining environmental cleanliness.



内置风冷风叶 (泵风叶) 气镇
air-cooled fan blades (pump fan blades) Gas ballast

自动防返油阀 齿轮泵
Automatic anti-return oil valve gear pump



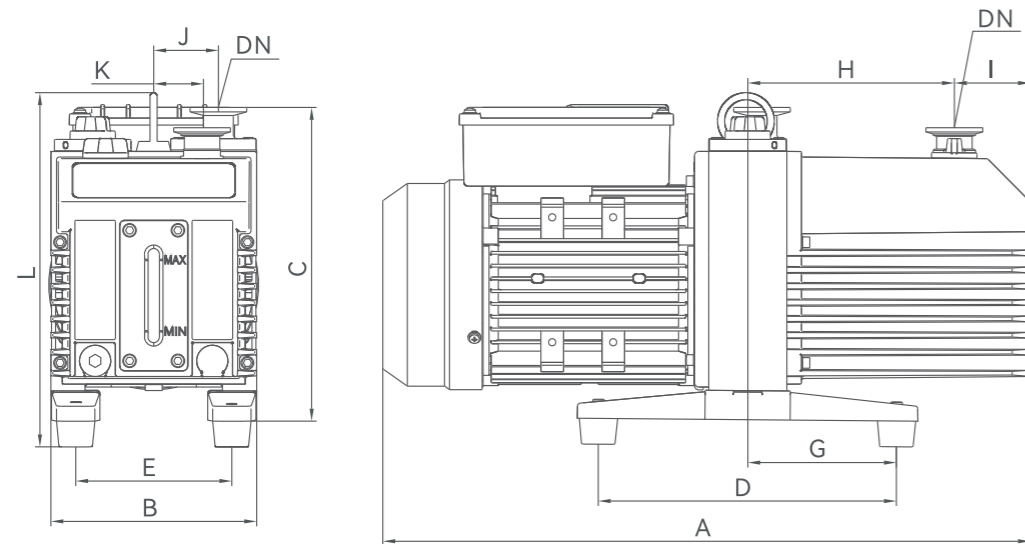
泵的技术参数 | PUMP TECHNICAL SPECIFICATION

Model 型号		YRV-16	YRV-30
抽速(M ³ /h)	Pumping speed(M ³ /h)	50Hz	16
		60Hz	19
极限总压强-关气镇(mbar) Ultimate total pressure - gas ballast close (mbar)		4*10 ⁻³	4*10 ⁻³
极限总压强-开气镇(mbar) Ultimate total pressure - gas ballast open (mbar)		1*10 ⁻²	1*10 ⁻²
极限分压强-关气镇(mbar) Ultimate partial pressure - gas ballast close (mbar)		4*10 ⁻⁴	4*10 ⁻⁴
进排气连接口(mm) Inlet and exhaust connection port(mm)		KF25	KF25
电源	Power supply	单/三相Single/three-phase	单/三相Single/three-phase
电机功率(kW)	Motor power(kW)	0.75/0.55	1.1
电机转速(rpm)	Motor speed (rpm)	50Hz	1440
		60Hz	1720
工作环境温度 Working ambient temperature		5-40°C	5-40°C
噪音(dB)50Hz Noise (dB) 50Hz		≤58	≤58
用油量(L) Oil Consumption (L)		1.0~1.5	1.3~2
重量(kg) Weight (kg)		32	45

YRV-16/30

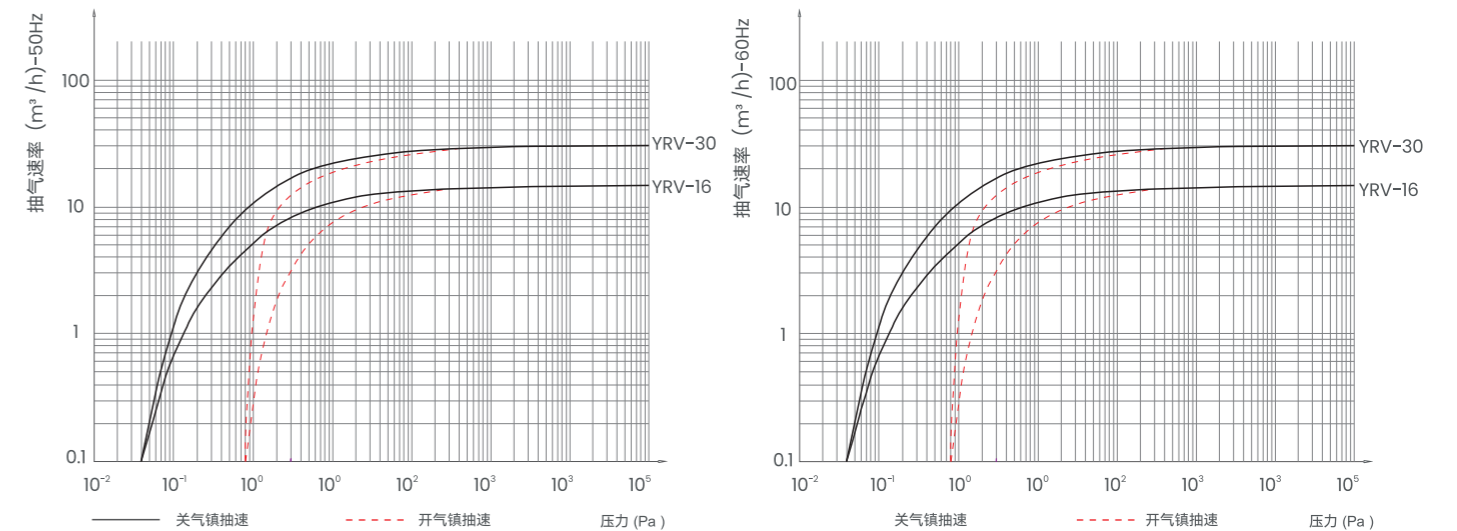
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双级旋片式真空泵

外形尺寸 | DIMENSION



YRV 系列双级旋片式真空泵外形及尺寸 External Shape and Dimensions of YRV Series Two-stage Rotary Vane Vacuum Pumps												
TYPE	A	B	C	D	E	G	H	I	J	K	L	DN
YRV-16	540	188	274	320	148	160	165	70	59	38	297	KF25
YRV-30	580	188	274	320	148	160	185	83	59	47	297	KF25

泵抽气速率 | PUMP PUMPING RATE



用途及使用范围

YRV系列双级旋片式真空泵是真空应用领域中最基本的真空获得设备，特别适用于需要获得高极限真空低噪音环境的科研、教学、实验室、分析仪器、医疗器械、真空镀膜等不同真空应用领域。

YRV系列双级旋片式真空泵可作为中、低真空系统的主抽泵，也可以作为罗茨泵、扩散泵、分子泵等中高真空、超高真空系统的前级泵。

APPLICATION AND USAGE SCOPE

The YRV series two-stage rotary vane vacuum pump is the most basic vacuum acquisition equipment in the field of vacuum applications. It is particularly suitable for scientific research, teaching, laboratories, analytical instruments, medical devices, vacuum coating, and other different vacuum application fields that require high-limit vacuum and low-noise environments.

The YRV series two-stage rotary vane vacuum pump can be used as the main pumping unit for medium and low vacuum systems, and it can also serve as the pre-pump for Roots pumps, diffusion pumps, molecular pumps, and other medium-high vacuum and ultra-high vacuum systems.



节能低碳
Energy saving low-carbon



低噪音
Low noise



高真空度
High vacuum degree



高可靠性
High reliability