

SP Series Scroll Vacuum Pump

SP系列涡旋真空泵



SPH10/SPH15



SPH20/SPL20



SPL10/SPL15

PRESENTATION

SP series is a type of dry vacuum pump. Referring to the working principle of the scroll compressor, there are two Archimedes spiral lines in each pump. By reducing the volume of the groove and compressing the gas from the outside to inside, a vacuum is generated.

SP系列涡旋泵是一种干式真空泵。参照涡旋压缩机的工作原理，每台泵上有2条阿基米德螺旋线。通过减少凹槽的容积并将气体从外向内压缩产生真空。（SP系列涡旋泵凭借其洁净、安静、耐用的特点，已成为替代传统油泵的理想选择，尤其适合对真空质量和可靠性要求高的领域。）

FEATURE

- Designed with dual-frequency & dual-voltage, can be remotely controlled and monitored 双频双压设计，可远程控制和监视
- Optimized sealing of end face to reduce energy consumption 优化端面密封，降低能耗
- Equipped with Germany bearing kits, to extend running time 德国进口轴承套件，延长运行时间
- Variable-frequency temperature-controlled fan to control the operating temperature 变频温控风扇，掌控运行温度
- Low noise and vibration 低噪音、低振动
- Transformation of three patents results 三项专利成果转化

APPLICATION

- Laser 激光
- Accelerator 加速器
- Semiconductor 导体
- Analytical Instruments 分析仪器
- Leakage detective System 检漏系统
- Pharmaceutical Research and Development 医药研发
- Pre-stage of the molecular pump 分子泵前级
- Vacuum glove box 真空手套箱
- Vacuum Recovery Device 真空回收装置
- Electronic Beam Welding and Packaging 电子光束焊接与封装

04 OPTIONAL ACCESSORIES

Additional charges apply

KF25 Inlet Filter
KF25泵口过滤器Exhaust silencer
排气消音器

05 TECHNICAL SPECIFICATION

Model 型号	SPH10	SPH15	SPH20	SPL10	SPL15	SPL20
Pumping speed(m³/h) (cfm)抽速	10 (6.7)	15 (8.9)	20 (13)	10 (6.7)	15 (8.9)	20 (13)
Ultimate pressure(Pa) (mbar)极限真空度	2 (0.02)		1 (0.01)	≤30 (0.3)		≤20 (0.2)
Rotary speed(rpm) 额定转速	1800			1500		
Inlet/Outlet connector 进/排气口尺寸	KF25					
Power supply(W) 电机功率	550		750	550		750
Rated power(V) 电压	100-240V/50-60 Hz					
Dimensions (mm) 外形尺寸	442*278*308					
Weight (kg)(lb) 重量	25.2 (56)	25.6 (56)	25.8 (57)	25.2 (56)	25.6 (56)	25.8 (57)
Vapour pumping ability (g/h)最大水蒸气处理能力	140		200	160		250
Noise (dBA) 噪音	55					
Cooling method 冷却方式	Air-cooling					
Working temperature 工作环境温度	5-45℃					

Noise value test standard: Refer to GB/T21271-2026