

**APG** PERMANENT MAGNETIC VARIABLE FREQUENCY PUMPS

**APX** PERMANENT MAGNETIC VARIABLE FREQUENCY PUMP

## APG永磁变频泵

### Product features/产品特点

- 恒压 Constant pressure
- 高效 Efficient
- 节能 Energy saving
- 舒适 Comfortable

### Materials/材料

不锈钢泵体, 不锈钢叶轮, 304焊接轴, 碳化硅对石墨机械密封, Sensata压力传感器, 不锈钢五通, 不锈钢注油压力表, IP54  
 Stainless steel pump body, stainless steel impeller, 304 welding shaft, silicon carbide to graphite mechanical seal, Sensata pressure sensor, stainless steel five-way, stainless steel oil pressure gauge, IP54



### Product overview/产品概述

1. 系统采用稀土永磁同步电机, 超高能效, 超低功耗;
2. 低至1W的待机功率设计, 让节能技术得以完美呈现;
3. 电机无感驱动技术(FOC), 完全实现电机系统零维护;
4. 转子轴采用不锈钢对焊技术, 保证过水部件永不生锈;
5. 集成的压力罐核心隔膜使用IIR材料;
6. 配套液晶显示的人机界面, 操作简单;
7. 配备工业级压力传感器;
8. 系统集成逆止阀结构;
9. 专为家庭倾心打造的恒压控制系统, 完全实现水压恒定。

1. The system adopts rare earth permanent magnet synchronous motor, ultra-high energy efficiency, ultra-low power consumption;
2. As low as 1W of standby power design, so that energy-saving technology can be perfectly presented;
3. Motor insensitive drive technology (FOC), fully realize the zero maintenance of the motor system;
4. The rotor shaft uses stainless steel welding technology to ensure that over-water components never rust;
5. Integrated pressure tank core diaphragm using IIR material;
6. Supporting LCD display human-machine interface, simple operation;
7. Equipped with industrial-grade pressure sensors;
8. System integration reverse valve structure;
9. A constant pressure control system designed for the home to achieve a complete constant water pressure.

### Core technology/核心技术

永磁同步电机, 无感FOC矢量驱动技术, 隔膜压力罐技术, 止回阀消除水锤

Permanent magnetic synchronous motor, insensitive FOC vector drive technology, diaphragm pressure tank technology, check valve to eliminate water hammer.

### Operating conditons/工作条件

介质温度: 高温型 (0℃~+100℃)  
 环境温度: ≤40℃

Liquid temperature: High temperature(0℃~+100℃)  
 Environment temperature: ≤40℃

### Technical parameters/技术参数

型号 Model	功率 power(kW)	最高扬程 Max. head (m)	额定扬程 Rated head (m)	最大流量 Max. flow(m³/h)	额定流量 Rated flow(m³/h)	最高转速 Max. speed(RPM)	进/出口管径 In/out Pipe diameter
APG203	0.8	38	32	5.1	2	3500	G1"
APG204	1.0	54	46	5.6	2	3500	G1"
APG403	1.0	38	30	6.5	4	3500	G1.25"/G1"
APG404	1.2	54	46	7.0	4	3500	G1.25"/G1"

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- 高效 Efficient
- 节能 Energy saving
- 舒适 Comfortable
- 自吸 Self-priming

### Materials/材料

铜叶轮, 304焊接轴, Sensata 传感器, IP54  
 Copper impeller, 304 welding shaft, Sensata sensor, IP54



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APX	1.0	45	30	3.7	2	3500	G1"