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静音
Mute

节能
Energy saving

防水
Waterproof

环保
Environmental protection

安全电压
Safety voltage

**VARIABLE
FREQUENCY PUMP**

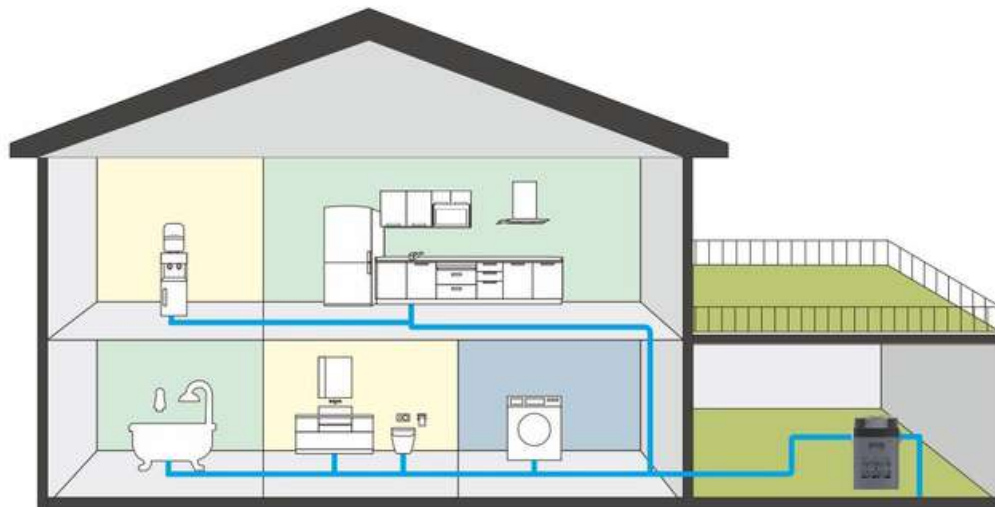
变频恒压水泵

ISO9001:2015



Macland Group Limited

A leading company of the
Permanent Magnetic Pressure Constant
Variable Frequency Pump





Honest faith burst into flame
Lighten you and me, the most ideal choice
Intelligent inverter, warmth from heart, so proud

诚实的信仰，燃起熊熊火焰

照亮你和我，最心动的选择

智能变频，温暖从心而起，真的自豪



景观喷泉
Landscape fountain



家庭用水
Household water



污水处理
Wastewater treatment



农田灌溉
Irrigation of farmland

PRODUCT CONTENTS

Our persistence begins with the pursuit of perfection
and comes from your expectations
Thousands of exercises, the glory of an engineer, across the night
Passing by the stars, a continuous commitment
To innovate for you, we are humble and focused
我们的坚持，始于对完美的追求，源自您的期待
千万次的锤炼，工程师的荣光，划过黑夜
星河流传，一个连绵的承诺
为你创新，我们谦逊而专注

- | | | |
|----|---------------|--|
| 01 | APE 永磁变频泵 | APE Permanent magnetic variable frequency pump |
| 02 | APF 永磁变频泵 | APF Permanent magnetic variable frequency pump |
| 03 | VFB 永磁变频泵 | VFB Permanent magnetic variable frequency pump |
| 04 | APG 永磁变频泵 | APG Permanent magnetic variable frequency pump |
| 05 | APM 永磁变频泵 | APM Permanent magnetic variable frequency pump |
| 06 | APX 永磁变频泵 | APX Permanent magnetic variable frequency pump |
| 07 | APH 永磁变频泵(ZX) | APH Permanent magnetic variable frequency pump(ZX) |
| 08 | APH 永磁变频泵(ZY) | APH Permanent magnetic variable frequency pump(ZY) |
| 09 | VFG 变频器 | VFG Variable frequency pump |
| 10 | 变频器系列 | Variable frequency pump series |
| 17 | 变频联泵机组 | Variable frequency pump set |
| 19 | 变频器系列 | Inverter series |
| 25 | 配件 | Spare parts |
| 27 | 光伏控制器 | Solar controller |

APE PERMANENT MAGNETIC VARIABLE FREQUENCY PUMP

APE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
自吸	Self-priming

Materials/材料

ABS外壳, 304焊接轴, 环保尼龙泵壳, PPO导叶和叶轮
碳化硅对石墨机械密封, sensata压力传感器, 不锈钢温度传感器, 霍磁流量计, IP54
ABS casing, SS304 welded shaft, Environmentally friendly nylon pump housing, PPO
impeller/diffuser, silicon carbide to graphite mechanical seal, Sensata pressure sensor, Stainless
steel temperature sensor, plastic magnetic flowmeter, IP54



Product overview/产品概述

1. 外形精美,可以满足五口之家的全屋供水; 专为家庭倾心打造的恒压控制系统, 完全实现水压恒定;
2. 电机无感驱动技术 (FOC), 实现电机系统零维护;
3. 转子轴采用不锈钢对焊技术, 保证过水部件永不生锈;
4. 带自吸能力, 适用于各种工况;
5. 流量精密检测, 停机更加可靠;
6. 配置工业级压力传感器;
7. 配置温度传感器, 保护更全面;
8. 分离式止回阀, 维护轻松;
9. 配置LED显示的人机界面, 操作简单;
10. 可选配WiFi和蓝牙远程控制功能。

1. Exquisite in appearance meet the whole house water supply for a family of five, a constant pressure control system designed for families to achieve a complete constant water pressure;
2. Motor insensitive drive technology (FOC), fully realize the zero maintenance of the motor system;
3. The rotor shaft uses stainless steel welding technology to ensure that over water components never rust;
4. With self-priming capacity, suitable for various working conditions;
5. Precise flow detection, more reliable shutdown;
6. Equipped with industrial-grade pressure sensors;
7. Configuration of temperature sensor, more comprehensive protection;
8. Separate check valve, easy maintenance;
9. Supporting LED display human-machine interface, simple operation;
10. Optional WiFi and Bluetooth remote control function.

Operating conditons/工作条件

介质温度: 0℃~+60℃
环境温度: ≤40℃

Liquid temperature: 0℃~+60℃
Environment temperature: ≤40℃

Technical parameters/技术参数

型号 Model	额定电压 Rated voltage (V)	功率 Power (kW)	吸程 Suction (m)	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
APE202	220	0.6	7	36	30	4.5	2	4800	G1"

APF PERMANENT MAGNETIC VARIABLE FREQUENCY PUMP

APF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

外壳ABS, 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, IP54
ABS casing, stainless steel pump body, stainless steel impeller, 304 welded shaft, silicon carbide to graphite mechanical seal, Sensata pressure sensor, IP54



Product overview/产品概述

1. 外形精美,可以满足五口之家的全屋供水; 专为家庭倾心打造的恒压控制系统, 完全实现水压恒定;
2. 拥有更小的安装体积, 可节省更多的安装空间; 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. 配备LED显示的人机界面, 操作简单;
6. 配置工业级压力传感器;
7. 系统集成逆止阀结构;
8. 专为家庭倾心打造的恒压控制系统, 完全实现水压恒定;
9. 流量精密检测, 停机更加可靠;
10. 配置温度传感器, 保护更全面;
11. 可选配WiFi和蓝牙远程控制功能。

1. Exquisite in appearance meet the whole house water supply for a family of five, a constant pressure control system designed for families to achieve a complete constant water pressure;
2. A smaller installation volume, which saves more installation space; 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. Supporting LED display human-machine interface, simple operation;
6. Equipped with industrial-grade pressure sensors;
7. System integration reverse valve structure;
8. A constant pressure control system designed for the home to achieve a complete constant water pressure;
9. Precise flow detection, more reliable shutdown;
10. Equipped with temperature sensor, more comprehensive protection;
11. Optional WiFi and Bluetooth remote control function.

Core technology/核心技术

永磁同步电机, 无感FOC矢量驱动技术, 止回阀消除水锤。

Permanent magnetic synchronous motor, insensitive FOC vector drive technology, check valve eliminates 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	额定电压 Rated voltage (V)	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
APF204	220	0.55	31	22	4.5	2	4300	G1"
APF204H	220	0.65	41	31	4.8	2	5000	G1"
APF204H	110	0.65	40	31	4.8	2	5000	G1"

VFB PERMANENT MAGNETIC VARIABLE FREQUENCY PUMP

VFB永磁变频泵

Product features/产品特点

恒压 Constant pressure
节能 Energy saving
舒适 Comfortable

Materials/材料

外壳ABS, 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, IP54
ABS casing, stainless steel pump body, stainless steel impeller, 304 welded shaft, silicon carbide to graphite mechanical seal, Sensata pressure sensor, IP54

Product overview/产品概述

1. 外形精美, 专为家庭倾心打造的恒压控制系统, 完全实现水压恒定;
2. 过流部件为304不锈钢, 符合饮用水卫生标准;
3. 轴封为机械密封, 不同的介质选用相同的摩擦副;
4. F级绝缘, IP54防护等级;
5. 配套LED显示的人机界面, 操作简单;
6. 配备工业级压力传感器;
7. 可多台联机组网。

Scope of application/适用范围

适用于各种类型的水厂、加压站、饭店宾馆、居民小区等高层建筑的生活供水。

Operating conditons/工作条件

介质温度: 高温型 (0℃~+100℃)
环境温度: ≤40℃

Technical parameters/技术参数

型号 Model	额定电压 Rated voltage (V)	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
VFB203	220	0.8	40	34	5.1	2	3600	G1"
VFB204	220	1.0	54	49	5.6	2	3600	G1"
VFB403	220	1.0	40	30	6.5	4	3600	G1.25"/G1"
VFB404	220	1.2	54	36	7.0	4	3600	G1.25"/G1"



1. The constant pressure control system, which is exquisite in shape and specially designed for families, completely realizes the constant water pressure;
2. 304 stainless steel overflow part, which meets the sanitary standard for drinking water;
3. The shaft seal is a mechanical seal, and the same friction pair is selected for different media;
4. Class F insulation, IP54 protection degree;
5. The man-machine interface with LED display is easy to operate;
6. Equipped with industrial pressure sensor;
7. Multiple pumps can be networked online.

It is suitable for domestic water supply of various types of water works, pressure stations, hotels, residential areas and other high-rise buildings.

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

APG 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LED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。

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。

Operating conditons/工作条件

介质温度: 高温型 (0℃~+100℃)
环境温度: ≤40℃

Technical parameters/技术参数

型号 Model	额定电压 Rated voltage (V)	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	220	0.8	40	34	5.1	2	3600	G1"
APG204	220	1.0	54	49	5.6	2	3600	G1"
APG403	220	1.0	40	30	6.5	4	3600	G1.25"/G1"
APG404	220	1.2	54	36	7.0	4	3600	G1.25"/G1"
APG204	110	0.8	54	39	5.4	2	3600	G1"



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 LED 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.

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

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

APM PERMANENT MAGNETIC VARIABLE FREQUENCY PUMP

APM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

不锈钢叶轮，不锈钢压力罐
Stainless steel impeller, stainless steel pressure tank

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. 配备液晶显示的人机界面，操作简单；
6. 配备工业级压力传感器；
7. 系统集成逆止阀结构；
8. 专为家庭倾心打造的恒压控制系统，完全实现水压恒定；
9. 流量精密检测，停机更加可靠；
10. 配置温度传感器，保护更全面；
11. 可选配WiFi和蓝牙远程控制功能。

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。

Operating conditons/工作条件

介质温度：0℃~+50℃
环境温度：≤40℃

Technical parameters/技术参数

型号 Model	额定电压 Rated voltage (V)	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
APM202	220	0.8	32	24	4.5	2	3600	G1"
APM203	220	1.0	45	37	4.8	2	3600	G1"
APM204	220	1.0	60	49	5.0	2	3600	G1"
APM203	110	0.8	45	36	4.8	2	3600	G1"



APX PERMANENT MAGNETIC VARIABLE FREQUENCY PUMP

APX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
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

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. 带自吸，吸程8m；
5. 配备LED显示的人机界面，操作简单；
6. 配备工业级压力传感器；
7. 系统集成逆止阀结构；
8. 专为家庭倾心打造的恒压控制系统，完全实现水压恒定。

Core technology/核心技术

永磁同步电机，无感FOC矢量驱动技术，止回阀消除水锤。

Operating conditons/工作条件

介质温度：高温型（0℃~+100℃）
环境温度：≤40℃

Technical parameters/技术参数

型号 Model	额定电压 Rated voltage (V)	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
APX	220	1.0	45	30	3.7	2	3600	G1"



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. With self-priming, suction lift 8m;
5. Supporting LED display human-machine interface, simple operation;
6. Equipped with industrial-grade pressure sensors;
7. System integration reverse valve structure;
8. A constant pressure control system designed for the home to achieve a complete constant water pressure.

Permanent magnetic synchronous motor, insensitive FOC vector drive technology, check valve eliminates water hammer.

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

APH PERMANENT MAGNETIC VARIABLE FREQUENCY PUMP

APH永磁变频泵(ZX)

Product features/产品特点

- 恒压 Constant pressure
- 高效 Efficient
- 节能 Energy saving
- 舒适 Comfortable
- 自吸 Self-priming

Materials/材料

不锈钢泵体, PPO叶轮, PPO轴, 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, PPO impeller/diffuser, SS304 welded 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. 专为家庭供水设计, 实现恒压供水;
2. 电机无感驱动技术 (FOC), 实现电机系统零维护;
3. 转子轴采用不锈钢对焊技术, 保证过水部件永不生锈;
4. 带自吸能力, 适用于各种工况;
5. 配置工业级压力传感器;
6. 系统集成逆止阀结构;
7. 配置LED显示的人机界面, 操作简单;

Core technology/核心技术

1. 永磁同步电机
2. 无感FOC矢量驱动技术
3. 软启停, 消除水锤效应
4. 智能控制系统

Operating conditons/工作条件

介质温度: 0℃~+60℃
环境温度: ≤40℃

Technical parameters/技术参数

型号 Model	额定电压 Rated voltage (V)	功率 Power (kW)	吸程 Suction (m)	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
APH203-ZX	220	1.2	8	50	43	5	2	3600	G1"
APH403-ZX	220	1.8	8	50	30	7	4	3600	G1.25"/G1"



1. A constant pressure control system designed for families to achieve a complete constant water pressure;
2. Motor insensitive drive technology (FOC), fully realize the zero maintenance of the motor system;
3. The rotor shaft uses stainless steel welding technology to ensure that over water components never rust;
4. With self-priming capacity, suitable for various working conditions;
5. Equipped with industrial-grade pressure sensors;
6. System integration reverse valve structure;
7. Supporting LED display of the human-machine interface, simple operation;

1. Permanent magnetic synchronous motor
2. Insensitive FOC vector drive technology
3. Soft start and stop, eliminate water hammer effect
4. Intelligent control system

Liquid temperature: 0℃~+60℃
Environment temperature: ≤40℃

APH PERMANENT MAGNETIC VARIABLE FREQUENCY PUMP

APH永磁变频泵(ZY)

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. 专为家庭供水设计;
2. 电机无感驱动技术(FOC), 完全实现电机系统零维护;
3. 转子轴采用不锈钢对焊技术, 保证过水部件永不生锈;
4. 集成的压力罐核心隔膜使用IIR材料;
5. 配套LED显示的人机界面, 操作简单;
6. 配备工业级压力传感器;
7. 系统集成逆止阀结构;
8. 专为家庭倾心打造的恒压控制系统, 完全实现水压恒定。

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。

Operating conditons/工作条件

介质温度: 高温型 (0℃~+100℃)
环境温度: ≤40℃

Technical parameters/技术参数

型号 Model	额定电压 Rated voltage (V)	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
APH204-ZY	220	1.2	60	51	4.5	2	3600	G1"
APH404-ZY	220	1.8	60	37	7.0	4	3600	G1.25"/G1"



1. Designed for household water supply;
2. Motor insensitive drive technology (FOC), fully realize the zero maintenance of the motor system;
3. The rotor shaft uses stainless steel welding technology to ensure that over-water components never rust;
4. Integrated pressure tank core diaphragm using IIR material;
5. Supporting LED display of the human-machine interface, simple operation;
6. Equipped with industrial-grade pressure sensors;
7. System integration reverse valve structure;
8. A constant pressure control system designed for the home to achieve a complete constant water pressure.

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

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

VFG VARIABLE FREQUENCY PUMP

VFG变频泵

Product features/产品特点

恒压 Constant pressure
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. 过流部件为304不锈钢, 符合饮用水卫生标准;
2. 轴封为机械密封, 不同的介质选用相同的摩擦副;
3. F级绝缘, IP54防护等级;
4. 配备LED显示的人机界面, 操作简单;
5. 配备工业级压力传感器;
6. 可多台联机组网。

Scope of application/适用范围

适用于各种类型的水厂, 加压站, 饭店宾馆, 居民小区等高层建筑的生活供水。

Operating conditons/工作条件

介质温度: 高温型 (0℃~+100℃)
环境温度: ≤40℃

Technical parameters/技术参数

型号 Model	额定电压 Rated voltage (V)	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
VFG203	220	0.55	41	37	5	2	3450	G1"
VFG204	220	0.75	54	45	5.3	2	3450	G1"
VFG403	220	0.75	40	30	6.4	4	3450	G1.25"G1"
VFG404	220	1.1	54	42	7.8	4	3450	G1.25"G1"



1. Over flow parts are 304 stainless steel, in line with drinking water sanitation standards;
2. Shaft seal for the mechanical seal, different media choose the friction accordingly;
3. F Class insulation, IP54 protection grade;
4. Supporting LCD display human-machine interface, simple operation;
5. Equipped with industrial -grade pressure sensors;
6. Multiple pumps can be networked online.

It is suitable for domestic water supply of various types of water works, pressure stations, hotels, residential areas and other high-rise buildings.

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

VFF/ADF VARIABLE FREQUENCY PUMP

VFF/ADF变频泵



VFF

VFF/ADF系列变频泵采用全不锈钢卧式多级离心泵+先进的变频控制系统+高品质隔膜压力罐+全不锈钢五逆水阀+工业级压力传感器等高品质成套部件系列, 组成了当今最为可靠与经济的变频恒压供水系统。

Product features/产品特点

VFF/ADF变频泵系列产品是泵壳式多级不锈钢离心泵;
泵过流部分由304不锈钢制造而成;
符合饮用水卫生标准;
采用优质专用机械密封, 可以长时间连续进行不漏水;
电机机座材质为优质铝合金;
F级绝缘;
IP65防护等级;
承受压力: 10bar。

Application range/适用范围

适用于各种类型的水厂, 加压站, 饭店宾馆, 居民小区等高层建筑的生活, 生产供水。

Operating conditons/工作条件

介质温度: 高温型 (0℃~+100℃)
环境温度: ≤40℃



ADF

VFF/ADF series variable-frequency pumps adopt stainless steel horizontal type impeller pump, advanced frequency conversion control system, high quality membrane pressure tank, stainless steel five way non-return core+Industrial-grade pressure sensor and high quality parts sets. It is the most reliable and economic variable frequency constant pressure water supply system.

The VFF/ADF series variable-frequency pumps are multistage stainless steel centrifugal pumps with pump casings;
Over flow parts of pump all are made by 304 stainless steel;
Meet drinking water sanitation standard;
Use the high quality specialized mechanical seal, to be able to run continuously for a long time without leakage;
Motor base material use high quality aluminum alloy;
F class insulation;
IP65 protection grade;
Allowable pressure: 10 bar.

Using for the various types of water factory, booster, hotel, residential areas etc.

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

VFI/ADI变频泵



VFI

VFI/ADI系列变频泵采用全不锈钢卧式多级离心泵+先进的变频控制系统+高品质隔膜压力罐+全不锈钢五逆水阀+工业级压力传感器等高品质成套部件系列，组成了当今最为可靠与经济的变频恒压供水系统。

Product features/产品特点

VFI/ADI变频泵系列产品是卧式结构，进出水口螺纹联接，安装尺寸通用；
轴封为机械密封，不同的介质选用相同的摩擦副；
F级绝缘，IP65防护等级；
整泵通过CE认证；
承受压力：10bar。

Application range/适用范围

适用于各种类型的水厂，加压站，饭店宾馆，居民小区等高层建筑的生活，生产供水。

Operating conditions/工作条件

介质温度：高温型（0℃~+100℃）
环境温度：≤40℃



ADI

VFI/ADI series variable-frequency pumps adopt stainless steel horizontal type impeller pump, advanced frequency conversion control system, high quality membrane pressure tank, stainless steel five way non-return core, industrial-grade pressure sensor and high quality parts sets. It is the most reliable and economic variable frequency constant pressure water supply system.

VFI/ADI series variable-frequency pumps are horizontal structure, inlet and outlet with screw connection type, general installation size; Shaft seal for the mechanical seal, different media choose the friction accordingly; F class insulation, IP65 protection grade; The entire pump through the CE certification; Allowable pressure: 10 bar.

Using for the various types of water factory, booster, hotel, residential areas etc.

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

VF/AD变频泵



VF

VF/AD系列变频泵采用全不锈钢卧式多级离心泵+先进的变频控制系统+高品质隔膜压力罐+全不锈钢五逆水阀+工业级压力传感器等高品质成套部件系列，组成了当今最为可靠与经济的变频恒压供水系统。

Product features/产品特点

VF/AD变频泵系列产品是节段式多级不锈钢离心泵；
泵过流部分由304不锈钢制造而成；
符合饮用水卫生标准；
采用优质专用机械密封，可以长时间连续运行不漏水；
电机机座材料为优质铝合金；
F级绝缘；
IP65防护等级；
承受压力：10bar。

Application range/适用范围

适用于各种类型的水厂，加压站，饭店宾馆，居民小区等高层建筑的生活，生产供水。

Operating conditions/工作条件

介质温度：高温型（0℃~+100℃）
环境温度：≤40℃



AD

VF/AD series variable-frequency pumps adopt stainless steel horizontal type impeller pump, advanced frequency conversion control system, high quality membrane pressure tank, stainless steel five way non-return core, industrial-grade pressure sensor and high quality parts sets. It is the most reliable and economic variable frequency constant pressure water supply system.

VF/AD series variable-frequency pumps are sectional multi-stage stainless steel centrifugal pump; Over flow parts of pump all are made by 304 stainless steel; Meet drinking water sanitation standard; Using the high quality specialized mechanical seal, to be able to run continuously for a long time without leakage; Motor base material use high quality aluminum alloy; F class insulation; IP65 protection grade; Allowable pressure: 10 bar.

Using for the various types of water factory, booster, hotel, residential areas etc.

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

VFC/ADC VARIABLE FREQUENCY PUMP

VFC/ADC变频泵



VFC

VFC/ADC系列变频泵采用全不锈钢卧式多级离心泵+先进的变频控制系统+高品质隔膜压力罐+全不锈钢五逆水阀+工业级压力传感器等高品质成套部件系列，组成了当今最为可靠与经济的变频恒压供水系统。

Product features/产品特点

VFC/ADC变频泵系列卧式结构，进出水口螺纹联接，安装尺寸通用；
选用优质机械密封，不同的介质选用相同的摩擦副；
过流部分为304不锈钢，进出水段由不锈钢板冲压拉伸而成；
F级绝缘；
IP65防护等级；
承受压力：10bar。

Application range/适用范围

适用于各种类型的水厂，加压站，饭店宾馆，居民小区等高层建筑的生活，生产供水。

Operating conditions/工作条件

介质温度：高温型（0℃~+100℃）
环境温度：≤40℃



ADC

VFC/ADC series variable-frequency pumps adopt stainless steel horizontal type impeller pump, advanced frequency conversion control system, high quality membrane pressure tank, stainless steel five way non-return core, industrial-grade pressure sensor and high quality parts sets. It is the most reliable and economic variable frequency constant pressure water supply system.

VFC/ADC series variable-frequency pumps are horizontal structure, inlet and outlet with screw connection type, general installation size; Using the high quality mechanical seal, different media choose the friction accordingly; Over flow parts of pump all are made by 304 stainless steel; Inlet and outlet parts material made of stainless steel plate stamping tensile; F class insulation; IP65 protection grade; Allowable pressure: 10 bar.

Using for the various types of water factory, booster, hotel, residential areas etc.

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

VFJ/ADJ VARIABLE FREQUENCY PUMP

VFJ/ADJ变频泵



VFJ

VFJ/ADJ系列变频泵采用全不锈钢卧式多级离心泵+先进的变频控制系统+高品质隔膜压力罐+全不锈钢五逆水阀+工业级压力传感器等高品质成套部件系列，组成了当今最为可靠与经济的变频恒压供水系统。

Product features/产品特点

VFJ/ADJ变频泵系列产品是单级不锈钢射流式自吸泵；
泵壳、泵盖由304不锈钢制造而成；
射流器材料是采用高强度工程塑料；
符合饮用水卫生标准；
机座材质为优质铝合金；
采用优质专机机械密封，可以长时间连续进行不漏水；
B级绝缘，IP65防护等级；
叶轮结构：闭式叶轮，有塑料叶轮和不锈钢叶轮可选择；
承受压力：6bar，吸程8米。

Application range/适用范围

适用于各种类型的水厂，加压站，饭店宾馆，居民小区等高层建筑的生活，生产供水。

Operating conditions/工作条件

介质温度：高温型（0℃~+100℃）
环境温度：≤40℃



ADJ

VFJ/ADJ series variable-frequency pumps adopt stainless steel horizontal type impeller pump, advanced frequency conversion control system, high quality membrane pressure tank, stainless steel five way non-return core, industrial-grade pressure sensor and high quality parts sets. It is the most reliable and economic variable frequency constant pressure water supply system.

VFJ/ADJ series variable-frequency pump are single-stage stainless steel jet-type self-priming pump;
Pump casing, pump cover made by 304 stainless steel;
Jet equipment material use the high strength and temperature resistant engineering plastics;
Meet drinking water sanitation standard;
Base material used high quality aluminum alloy;
Using the high quality specialized mechanical seal, to be able to run continuously for a long time without leakage;
Class B insulation, IP65 protection grade;
Impeller structure: enclosed impeller, have stainless steel impeller and plastic impeller for customer choose;
Allowable pressure: 6 bar, 8m suction.

Using for the various types of water factory, booster, hotel, residential areas etc.

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

变频泵 VARIABLE FREQUENCY PUMP

VFC/ADC/VFF/ADF/VF/AD系列产品选型表

型号 Model	额定功率 Rated power(kW)	流量 Flow(m³/h)	1.0	1.5	2.0	2.5	3.0	3.5				
VFF2-40	0.55	扬程 head (m)	35	32	28	26	23	17				
VFF2-50	0.55		44	40	35	33	28	22				
VFF2-60	0.75		50	48	42	38	32	25				

型号 Model	额定功率 Rated power(kW)	流量 Flow(m³/h)	2.0	3.0	4.0	5.0	6.0	7.0				
VFF4-40	0.75	扬程 head (m)	36	33	30	26	20	13				
VFF4-50	1.0		44	41	38	32	26	20				
VFF4-60	1.1		53	50	45	40	33	24				

型号 Model	额定功率 Rated power(kW)	流量 Flow(m³/h)	4.0	5.0	6.0	7.0	8.0	9.0	10.0			
VFF8-25	1.5	扬程 head (m)	43	40	38	34	27	25	20			
VFF8-30	1.85		50	46	44	40	36	30	26			
VFF8-40	2.2		65	57.5	57	50	48	42	34			

型号 Model	额定功率 Rated power(kW)	流量 Flow(m³/h)	4.0	6.0	8.0	10.0	12	14	16			
VFF8-30B	1.1	扬程 head (m)	31	29	26	24	20	16	11			
VFF8-40B	1.5		41	39	37	33	28	23	17			
VFF8-50B	2.2		51	49	46.5	42	37	30	23			

型号 Model	额定功率 Rated power(kW)	流量 Flow(m³/h)	6.0	7.0	8.0	9.0	10	11	12	13	14	
VFF12-20	1.85	扬程 head (m)	38	36	35	32	31	29	28	24	20	
VFF12-25	2.2		47	45	43	41.5	39	36	33.5	30.5	27	

型号 Model	额定功率 Rated power(kW)	流量 Flow(m³/h)	7.0	8.0	9.0	10	11	12	13	14	15	16
VFF12-30B	1.85	扬程 head (m)	35	34.5	33.5	32.5	31	29.5	28	26	23.5	20
VFF12-40B	2.2		47	46	45	43.5	41.5	39.5	37.5	35	31.5	27.5
VFF12-50B	3.0		60	58	56.5	55	52.5	50	47	44	40	35

型号 Model	额定功率 Rated power(kW)	流量 Flow(m³/h)	8.0	10	12	14	16	18	20	22	24	26	28
VFF16-30	2.2	扬程 head (m)	38	36	34	33	30	28	26	23	20		
VFF20-10	1.0			13	12.5	12	11.5	11	10.5	10	9	8.5	7.5
VFF20-20	1.85			25	24	23	22	21	20	18	16	14	12
VFF20-30	3.0			39	38	36	35	33	31.5	30	27	24	21

VFJ/ADJ系列产品选型表

型号 Model	额定功率 Rated power(kW)	流量 Flow(m³/h)	0.6	1.2	1.8	2.4	3.0	3.6	4.2				
VFJ-750	0.75	扬程 head (m)	35	30.6	27.5	24.5	21.5	19	14				
VFJ-1000	1.0		43	39	35	31	28.5	25.3	22.5				

变频泵 VARIABLE FREQUENCY PUMP

VFII/ADI系列产品选型表

型号 Model	额定功率 Rated power(kW)	流量 Flow(m³/h)	0.8	1.2	1.6	2.0	2.4	2.8	3.2	3.6	4.0		
VFII2-4	0.55	扬程 head (m)	36	35	34	32	31	29	27	23	20		
VFII2-5	0.55		44	43	42	40	38	36	33	28.5	24		
VFII2-6	0.75		53	51.5	49	47	45	41	37	32	27		

型号 Model	额定功率 Rated power(kW)	流量 Flow(m³/h)	1.0	1.5	2.0	2.5	3.0	3.5	4.0	4.5	5.0	5.5	6.0
VFII4-4	0.75	扬程 head (m)	38	37	36	34	33.5	32	30	28	27	24	20
VFII4-5	1.0		47	46	45	44	42.5	41	40	36	35	32	27
VFII4-6	1.3		56.5	55	54	53	52.5	51	49	45	44	42	36

型号 Model	额定功率 Rated power(kW)	流量 Flow(m³/h)	4.0	5.0	6.0	7.0	8.0	9.0	10.0				
VFII8-25	1.5	扬程 head (m)	43	40	38	34	27	25	20				
VFII8-30	1.85		50	46	44	40	36	30	26				
VFII8-35	2.2		56	51	48	44	43	35	28				
VFII8-40	2.2		65	57.5	57	50	48	42	34				

VFII/ADI系列产品选型表

型号 Model	额定功率 Rated power(kW)	流量 Flow(m³/h)	4.0	5.0	6.0	7.0	8.0	9.0	10	11	12	13	14
VFII10-3	2.2	扬程 head (m)	45.5	45	44	43	42	40	37	36	33	30	26
VFII10-4	3.0		61	60.5	60	58	56	54	52	48	45	41	36
VFII10-5	3.0		76.5	76	75	74	71	68	65	61	57	52	46

型号 Model	额定功率 Rated power(kW)	流量 Flow(m³/h)	6.0	7.0	8.0	9.0	10	11	12	13	14		
VFII12-20	1.85	扬程 head (m)	38	36	35	32	31	29	28	24	20		
VFII12-25	2.2		47	45	43	41.5	39	36	33.5	30.5	27		
VFII12-30	3.0		53.5	52	50	47.5	45	42	39	35	30		

型号 Model	额定功率 Rated power(kW)	流量 Flow(m³/h)	7.0	8.0	9.0	10	11	12	13	14	15	16	
VFII12-30B	1.85	扬程 head (m)	35	34.5	33.5	32.5	31	29.5	28	26	23.5	20	
VFII12-40B	2.2		47	46	45	43.5	41.5	39.5	37.5	35	31.5	27.5	
VFII12-50B	3.0		60	58	56.5	55	52.5	50	47	44	40	35	

型号 Model	额定功率 Rated power(kW)	流量 Flow(m³/h)	8.0	10	12	14	16	18	20	22	24		
VFII16-30	2.2	扬程 head (m)	38	36	34	33	30	28	26	23	20		
VFII16-40	3.0		50	48	46	44	40	38	36	32	28		

型号 Model	额定功率 Rated power(kW)	流量 Flow(m³/h)	10	12	14	16	18	20	22	24	26	28	
VFII20-20	1.85	扬程 head (m)	25	24	23	22	21	20	18	16	14	12	
VFII20-30	3.0		39	38	36	35	33	31.5	30	27	24	21	

变频联机泵组 VARIABLE FREQUENCY PUMP SET

485 TECHNOLOGY



VF系列变频水泵采用全不锈钢卧式多级离心泵+先进的变频控制系统+高品质隔膜压力罐+全不锈钢五通逆止阀+工业级压力传感器等高品质成套部件系列，组成了当今最为可靠与经济的变频恒压供水系统。



VF series variable-frequency pumps adopt stainless steel horizontal type impeller pump+advanced frequency conversion control system+high quality membrane pressure tank+stainless steel five way non-return core+Industrial-grade pressure sensor and high quality parts sets. Make up the most reliable and economic variable frequency constant pressure water supply system.

Product features/产品特点

1. 联控控制：采用485通讯方式，单个系统中最多可允许6台水泵联控工作。
2. 通讯及定时功能（交替运行功能）：变频器之间能够互相通讯，可以按设置的时间顺序切换工作水泵，使每台网络中的水泵工作总时间趋于相近。
3. 主从机自动识别：在上电时对系统中的工作站号自主识别，自主建立主从关系，无须人工干预。
4. 故障检出及自动切换：如果网络中一台变频器发生故障，变频器能自动跳过故障变频器，能将控制权顺序交付给网络中下一顺序号的变频器，自动进行主从切换。以确保在任何情况下都有变频器作为主机在指挥工作，从而保证供水系统能继续运行。
5. 智能切换：当水泵工作到设定工作的总时间时，为实现管网系统的压力恒定不变，可实现智能切换。

变频联机泵组 VARIABLE FREQUENCY PUMP SET



VFB系列变频水泵采用全不锈钢卧式多级离心泵+先进的变频控制系统+高品质隔膜压力罐+全不锈钢五通逆止阀+工业级压力传感器等高品质成套部件系列，组成了当今最为可靠与经济的变频恒压供水系统。

VFB series variable-frequency pumps adopt stainless steel horizontal type impeller pump+advanced frequency conversion control system+high quality membrane pressure tank+stainless steel five way non-return core+Industrial-grade pressure sensor and high quality parts sets. Make up the most reliable and economic variable frequency constant pressure water supply system.

Product features/产品特点

1. 联控控制：采用485通讯方式，单个系统中最多可允许6台水泵联控工作。
2. 通讯及定时功能（交替运行功能）：变频器之间能够互相通讯，可以按设置的时间顺序切换工作水泵，使每台网络中的水泵工作总时间趋于相近。
3. 主从机自动识别：在上电时对系统中的工作站号自主识别，自主建立主从关系，无须人工干预。
4. 故障检出及自动切换：如果网络中一台变频器发生故障，变频器能自动跳过故障变频器，能将控制权顺序交付给网络中下一顺序号的变频器，自动进行主从切换。以确保在任何情况下都有变频器作为主机在指挥工作，从而保证供水系统能继续运行。
5. 智能切换：当水泵工作到设定工作的总时间时，为实现管网系统的压力恒定不变，可实现智能切换。

1. Parallel control: adopt the RS-485 communication mode. Allow up to 6 pumps parallel work in a single system.
2. Communication and timing switching(alternate running function): for the inverter can communicate with each other. The working pump can be switched by setting the time in order. To make the total working time of each pump in the network tend to be similar.
3. Master-slave pump is automatic identification system: when the power on, the workstation of the system be identified automatically, and set up a master-slave relationship independently, without human intervention.
4. Fault detection and automatic switching: if a inverter in the network. Automatic master-slave switching. This for in all cases, there is the inverter as a host to work in the command. To ensure water supply system keep on running.
5. Intelligent switching: in order to realize the pressure of the pipe network system is constant, when the pump working time to reach the set total time, which can be realized intelligent transition.

AD-12 INVERTER

应用于水泵的变频器
The inverter is applied to the water pump



AD-12/12M



AD-12T

Technical parameters/技术参数

型号 Model	类别 Category	规格 Specification	输入电压 Input voltage	输出电压 Output voltage	额定电流 Rated current	输入频率 Input frequency	输出频率 Output frequency	联机功能 485 connection	压力传感器 Pressure sensor	外接端子 External terminal
AD-12	单进三出 single-phase in and three-phase out	0.75~1.1kW	1x220V	3x220V(Δ)	4.2~6.0A	50/60Hz	20~50/60Hz	有/yes	24V, 4~20mA or 5V, 0.5~4.5V (10bar)	/
		1.5~2.2kW			6.8~9.6A			有/yes		
AD-12M	单进单出 single-phase in and single-phase out	1.5kW	1x220V	1x220V	12A			无/no		
AD-12T	三进三出 three-phase in and three-phase out	0.75~2.2kW	3x380V	3x380	2.5~5.5A			有/yes	24V, 2~20mA 5V, 0.5~4.5V (10bar, 16bar, 25bar)	External digital analog ports are reserved
		4.0~7.5kW			9.5~18.5A					
		11~18.5kW			25~38A					

AD-01 INVERTER

应用于水泵的变频器
The inverter is applied to the water pump



Technical parameters/技术参数

型号 Model	类别 Category	规格 Specification	输入电压 Input voltage	输出电压 Output voltage	额定电流 Rated current	输入频率 Input frequency	输出频率 Output frequency	联机功能 485 connection	压力传感器 Pressure sensor
AD-01	单进三出 single-phase in and three-phase out	0.75kW	1x220V	3x220V(Δ)	4.2A	50/60Hz	20~50/60Hz	有/yes	24V, 4~20mA (10bar)
		1.1kW			6.0A			有/yes	
		1.5kW			6.8A			有/yes	
		2.2kW			9.6A			有/yes	
AD-01M	单进单出 single-phase in and single-phase out	1.5kW	1x220V	1x220V	12A			无/no	

AD-02 INVERTER

应用于水泵的变频器
The inverter is applied to the water pump.



Technical parameters/技术参数

型号 Model	类别 Category	规格 Specification	输入电压 Input voltage	输出电压 Output voltage	额定电流 Rated current	输入频率 Input frequency	输出频率 Output frequency	最大承受压力 Maximum withstand pressure	使用介质温度 Using medium temperature	螺纹接口 Thread interface	辅助功能 Auxiliary pump function
AD-02	单进三出 single-phase in and three-phase out	0.75kW	1x220V	3x220V(Δ)	4.2A	50/60Hz	20-50/60Hz	10bar	0~+50℃	2xG1.25"	有/yes
		1.1kW			6.0A						有/yes
		1.5kW			6.8A						有/yes
		2.2kW			9.6A						有/yes
AD-02M	单进单出 single-phase in and single-phase out	1.5kW	1x220V	1x220V	12A						有/yes

AD-03 INVERTER

应用于水泵的变频器
The inverter is applied to the water pump.



Technical parameters/技术参数

型号 Model	类别 Category	规格 Specification	输入电压 Input voltage	输出电压 Output voltage	额定电流 Rated current	输入频率 Input frequency	输出频率 Output frequency	最大承受压力 Maximum withstand pressure	使用介质温度 Using medium temperature	螺纹接口 Thread interface	辅助功能 Auxiliary pump function
AD-03	单进三出 single-phase in and three-phase out	0.75kW	1x220V	3x220V(Δ)	4.2A	50/60Hz	20-50/60Hz	10bar	0~+50℃	2xG1"	无/no
		1.1kW			6.0A						无/no
AD-03M	单进单出 single-phase in and single-phase out	0.75kW	1x220V	1x220V	8A						无/no

AD-09 INVERTER

应用于水泵的变频器

The inverter is applied to the water pump



Technical parameters/技术参数

型号 Model	类别 Category	规格 Specification	输入电压 Input voltage	输出电压 Output voltage	额定电流 Rated current	输入频率 Input frequency	输出频率 Output frequency	联机功能 485 connection	压力传感器 Pressure sensor
AD-09	单进三出 single-phase in and three-phase out	0.75kW	1x220V	3x220V(Δ)	4.2A	50/60Hz	20~50/60Hz	有/yes	24V,4~20mA (10bar or 16bar or 25bar)
		1.1kW			6.0A			有/yes	
		1.5kW			6.8A			有/yes	
		2.2kW			9.6A			有/yes	
		0.75kW			2.3A			有/yes	
AD-09T	三进三出 three-phase in and three-phase out	1.1kW	3x380V	3x380V	3.3A			有/yes	
		1.5kW			4.3A			有/yes	
		2.2kW			6.1A			有/yes	
		4.0kW			9.7A			有/yes	
		5.5kW			14A			有/yes	
		7.5kW			18A			有/yes	

AD-10 INVERTER

应用于水泵的变频器

The inverter is applied to the water pump



Technical parameters/技术参数

型号 Model	类别 Category	规格 Specification	输入电压 Input voltage	输出电压 Output voltage	额定电流 Rated current	输入频率 Input frequency	输出频率 Output frequency	联机功能 485 connection	压力传感器 Pressure sensor
AD-10	单进三出 single-phase in and three-phase out	0.75kW	1x220V	3x220V(Δ)	4.2A	50/60Hz	20~50/60Hz	有/yes	24V,4~20mA (10bar or 16bar or 25bar)
		1.1kW			6.0A			有/yes	
		1.5kW			6.8A			有/yes	
		2.2kW			9.6A			有/yes	
AD-10M	单进单出 single-phase in and single-phase out	1.5kW	1x220V	1x220V	12A	50/60Hz	20~50/60Hz	无/no	
AD-10T	三进三出 three-phase in and three-phase out	2.2kW	3x380V	3x380V	6.1A			有/yes	24V,4~20mA (10bar or 16bar or 25bar)
		4.0kW			9.7A			有/yes	
		5.5kW			14A			有/yes	
		7.5kW			18A			有/yes	

PB隔膜压力罐



Descriptions/描述

PB系列隔膜压力罐采用了丁基橡胶隔膜和天然聚丙烯内衬，选用304不锈钢材质的接口部件，经多工序、全方面的检测环节，确保了每个压力罐的结构与品质的一致性，充分保障了您的用水健康与安全。超长的寿命设计，保证了供水系统更加有效可靠的运行。完全符合欧盟和美国等国家对产品安全和环保的超高制造标准与要求，完全免维护，让您更加放心、安心、省心。

PB series diaphragm pressure tank using butyl rubber diaphragm and natural polypropylene lining, use 304 stainless steel in interface parts, through many process and all aspects testing, to make sure each pressure tank structure and quality in accordance, fully ensure the water health and safety. Long life design, to ensure the water supply system is more effective and reliable operation. Full compliance with the high manufacturing standards and requirements for product safety and environmental protection in EU, America and other countries, completely free maintenance, make you more comfortable when using the product.

Technical parameters/技术参数

型号 Model	螺纹接口 Connection Thread	压力罐充气值(bar) Pressure Tank Inflatable Value	最大工作压力值(bar) Maximum Working Pressure	最高工作温度 Maximum Working Temperature
PB-2	ZG1"	2	10	90
PB-4	ZG1"	2	10	90
PB-8	ZG1"	2	10	90



Descriptions/描述

不锈钢五通采用304不锈钢制造，自带逆止阀芯，独有的密封结构设计，与橡胶材料选用，使产品具备了适应更加恶劣工况及更加苛刻条件的特点。专为变频恒压供水系统设计的五通结构，更是将压力传感器、压力罐、压力表高度集成，使用户安装更省心，系统更简洁。完全符合欧盟和美国等国家对产品安全和环保的超高制造标准与要求，消除了用户对安全与健康的担忧，在家庭供水系统上具有得天独厚的优势！

Stainless steel five way is made of 304 stainless steel, built-in non-return valve core, unique sealing structure design and rubber material selection, make the product adapt to the worse working conditions and more stringent conditions. Designed for variable frequency constant pressure water supply system of five structure, also will highly integrated pressure sensors, pressure tank, pressure gauge, for more easy installation, system cleaner. Fully compliance with the EU and America and other countries high standards and requirements for product safety and environmental protection, eliminates the users worry to safety and health, has a unique potential in the domestic water supply system!

Technical parameters/技术参数

进出口口径(英寸) Inlet and outlet diameter (inch)	G1"	G1.25"	G1.5"	G2"
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压力传感器 PRESSURE SENSOR



PX pressure sensor series/PX系列传感器

PX系列传感器适用于多种严苛介质，其中包括制动液、机油、自来水、液压油及压缩空气。较大的工作温度范围、高达IP69K的防护等级以及100V/m的辐射抗扰度确保该系列传感器能够在恶劣的工作环境中保持可靠的性能。

The PX series sensors are suitable for many kinds of harsh mediums including brake fluid, machine oil, tap water, hydraulic oil, compressed air. The High working temperature, the IP grade reached to IP69K and 100V/m radiated sure this series sensors could keep the reliable performance in the harsh working conditions.

Good EMC protection/良好的电磁兼容(EMC)性

确保产品不会被环境电磁干扰。辐射抗扰度可达100V/m (ISO11452-2标准)。

Make sure the products will not be damaged by environmental electromagnetic interference. Radiated immunity protection up to 100V/m (ISO 11452-2).

Operating temperature range/工作温度范围

经过补偿的工作温度范围为-40℃到125℃ (-40°F到257°F)，一款传感器即可适用于多种不同应用。

A compensated operating temperature range -40℃ to 125℃ (-40°F to 257°F) allows customers to design the same sensor in variety applications.

压力表 PRESSURE GAUGE



Technical parameters/技术参数

尺寸规格 Size	油浸式 防震设计 Oil immersed shockproof design	全不锈钢 外壳 All stainless steel case	压力范围 0~25bar Pressure range
φ50 φ60			

光伏控制器 SOLAR CONTROLLER



Descriptions/描述

1. 全铝制金属外壳，无风扇设计；使用寿命更高，散热效果更好；
2. 更友好的人机交互界面：电流、电压、功率、转速任意切换；
3. 太阳能板组件成本更低，效率更高；>99%追踪效率的MPPT算法，相较于传统的PWM控制算法，能提高30%的太阳能利用率；
4. IP65防护等级；具备全天候，全环境的使用条件；
5. 全方位的电机保护功能：过压、欠压、过流、过温、短路、缺相、干转等。

1. All-aluminum metal casing, non-fan design; with the longer using life and the better heat dissipation effect;
2. More friendly human-computer interaction interface: arbitrary switching of current, voltage, power and speed;
3. Solar panel components are cheaper, but more efficient: the MPPT algorithm with tracking efficiency greater than 99% which increase the solar energy utilization rate by 30% compared with the traditional PWM control algorithm;
4. IP65 protection degree: with all-weather, all-environmental use conditions;
5. Comprehensive motor protection functions: Over-Voltage, Under-Voltage, Over-Current, Over-Temperature, Short Circuit, Phase Loss, Dry Running, etc.

Technical parameters/技术参数

型号 Model	输入功率 Input power (kW)	最大电流 Max. current (A)	防护等级 Protection level (IP)	配套太阳能光伏板参数 Parameters of the supporting solar panel		
				开路电压范围 Open circuit voltage range(V)	额定功率 Solar panel power(kW)	推荐配板功率 Recommended solar panel power(W)
SC-01/D24-370	0.37	15	65	< 50	0.55	2x275W并联(in parallel)
SC-01/D48-750	0.75	15	65	< 100	1.2	2x300W串联(in series)+2x300W并联(in parallel)
SC-01/D72-1100	1.1	15	65	< 150	1.8	3x300W串联(in series)+3x300W并联(in parallel)
SC-01/D96-1500	1.5	15	65	< 200	2.4	4x300W串联(in series)+4x300W并联(in parallel)
SC-01/W36	0.37~1.1	15	65	< 110	0.55~1.8	

Thank you 感谢关注·神能