HYGS 恒压供水系统
HYGS constant pressure water supply system

节能、恒压、全自动、
变频调节流量和压力设定范围非常广泛

Energy saving, constant pressure,
full automatic control, flow regulated by variable
frequency and very wide setting range of pressure



恒压供水系统是一款全自动控制的恒压供水设备，在用水量不超过单台泵出水量时则由单台泵供水保压，当用水量超过单台泵出水量时，通过压力传感器感知管内流体压力下降时，经分析运算后，微电脑控制器再根据运算结果输出信号给变频器，由变频器控制变频主泵运行并根据用水量调节水泵台数，从而大幅度地节约电能和节水。

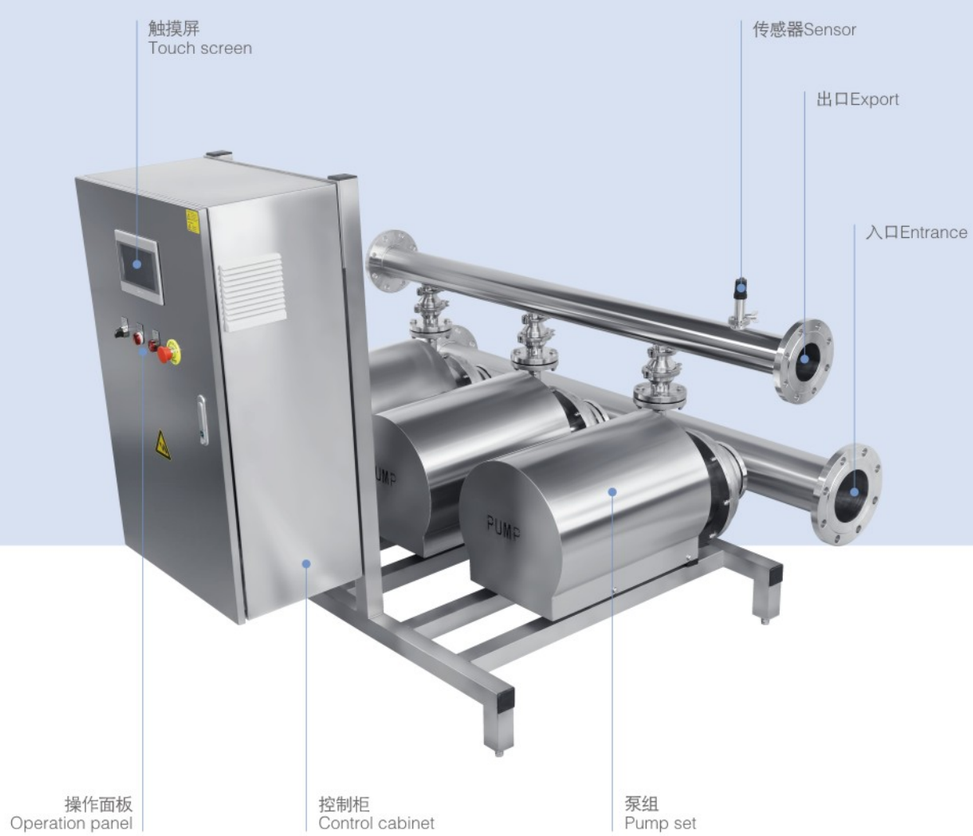
The constant pressure water supply system is a fully automatic controlled constant pressure water supply equipment. When the water consumption does not exceed the water output of a single pump, the water supply is maintained by a single pump. When the water consumption exceeds the water output of a single pump, the pressure sensor is used. When the pressure of the fluid in the sensing tube drops, after analysis and calculation, the microcomputer controller outputs a signal to the frequency converter according to the calculation result, and the frequency converter controls the operation of the frequency conversion main pump and adjusts the number of pumps according to the water consumption, thereby greatly saving electricity and water.

技术特点

- 节电23-55%；
- 对多台泵组均能可靠的实现软启动交替运行，大大延长设备的使用寿命；
- 欠压，过压，过流，过载，短路，过热，失速等各种自动保护功能；
- 采用数字PID调节，恒压精度高，水压波动小；
- 可实现恒压变量和变压变量等多种工况的要求。

Technical Features

- Power saving 23-55%.
- It can reliably realize soft-start and alternate operation for multiple pump sets, greatly prolonging the equipment's service life.
- Various automatic protection functions such as undervoltage, overvoltage, overcurrent, overload, short circuit, overheating, stall, etc.
- Adopt digital PID adjustment, high precision constant pressure and small fluctuation of water pressure.
- It can meet requirements of various working condition such as constant pressure variable flow and variable pressure variable flow.



技术参数 Technical Specifications

流量需求 Traffic demand	1m³到500m³/h，自动变频控制，具体根据用户需求而定义 1m³ to 500m³/h, automatic frequency conversion control, defined according to user needs
最大压力 Greatest pressure	21bar，通过触摸屏或上位机PLC设定所需压力 21bar, set the required pressure through the touch screen or the upper computer PLC
过流材质 Overflow material	SS304/316L
卫生认证 Hygiene certification	美国U.S. 3A-02-12卫生标准 Sanitary Standard
安全认证 Safety certificate	德国Germany TUV MD/06/42/EC
密封认证 Seal certification	FDA177.2600