

Variable Frequency Constant Pressure Water Pump

This water pump maintains constant pressure by varying motor speed according to water demand, optimizing energy use. It is engineered with a stainless steel pump body and advanced control technology for reliable performance.



Product Overview



Permanent magnetic pressure system technology illustration.

Variable Frequency Constant Pressure Water Pump

This advanced horizontal multistage centrifugal pump utilizes permanent magnet synchronous motor technology to maintain constant water pressure. By dynamically adjusting motor speed based on real-time consumption, the system achieves ultra-high energy efficiency and significantly lower power usage. Designed for reliability and longevity, it features high-quality stainless steel construction and advanced drive technology for a maintenance-free experience.

Technical Specifications

Materials & Construction

- Stainless steel pump body
- Stainless steel impeller
- 304 stainless steel shaft
- Silicon carbide-graphite mechanical seal
- IIR material diaphragm

Core Features

Permanent Magnet Synchronous Motor, Non-inductive FOC Vector Drive, Integrated Pressure Tank, Water Hammer Protection, LCD Control Interface, Zero Maintenance

Performance Data

Performance Matrix

Model	Power (W)	Max Flow (m3)	Max Head (m)
APH203	800	5.1	40
APH204	1000	5.6	56
APH403	1000	6.5	40

Environment & Ratings

IP Rating

IP54

Standby Power Consumption

1 W

Standby Power