Variable Speed Controlled Water Pressure Booster System

This variable speed controlled booster system is engineered for maintaining constant pressure in diverse applications. The system utilizes multiple vertical multistage pumps, each driven by a high-efficiency motor and managed by a variable frequency drive to optimize energy consumption and ensure consistent pressure.

Overview

Variable Speed Pressure Boosting

This premium variable speed controlled booster system is engineered for maintaining constant water pressure across diverse environments, from high-rise residential buildings to large-scale manufacturing facilities. By utilizing multiple vertical multistage pumps driven by high-efficiency motors and variable frequency drives, the system dynamically adjusts to real-time demand, significantly optimizing energy consumption. The integrated control panel ensures intuitive operation while robust safety features, including overload protection and low-water cut-off, provide reliable, long-term performance.

Performance Metrics

Key Performance Metrics

900 m³/h	200 m	25 kg/cm²
Max Flow Rate	Max Head	Max Working Pressure

Technical Specifications

Pump Set Configuration	6 sets
Power Requirements	3 phase 220/380V, 50Hz/60Hz
Control Mode	Variable Frequency Control

Operating Environment

Ambient Temperature Range	5 - 40°C
Medium Temperature Range	0 - 70°C
Compatible Medium	Clean water

Applications

Typical Use Cases

- High-rise buildings
- Hospitals and schools
- Hotels and office buildings
- Food processing
- Washing equipment

Suitable Sectors	Residential, Commercial, Industrial, Irrigation, Manufacturing