

# Variable Frequency Drive Water Booster System

This variable frequency drive (VFD) water booster system ensures consistent water pressure in various applications. It features multiple vertical multistage pumps, each driven by a high-efficiency motor controlled by an integrated inverter.



## ADDITIONAL IMAGES



## System Overview

### Advanced Water Booster System

This Variable Frequency Drive (VFD) water booster system is engineered for reliable, consistent water pressure management in residential, commercial, and industrial applications. Utilizing an integrated inverter control system, it automatically adjusts pump speed to meet real-time demand, ensuring energy efficiency and stable pressure. The system supports multi-pump configurations and features comprehensive protective functions to ensure long-term operational reliability.

## Performance Metrics

### Maximum Flow Rate

**720 m<sup>3</sup>/h**

Max Flux

### Maximum Head (Appreciation)

220 m

## System Configuration

### Number of Pump Associations

2 to 6 pumps

### Inverter Power Range

0.75KW to 22KW

## Control Functions

### Key Control Functions

- Regular pressure control
- Automatic return operation after power stoppage
- Main pump alternation
- Breakdown pump skip operation
- Dry-running (water famine) protection
- Pump generation problem warning signal
- Prevention of fixing (anti-seize)
- Operation data storage

### Interface & Maintenance

- LCD Saving function
- Center control team communication

### Optional Features

Winter-sowing prevention, Exterior communication, Center monitoring