

Smart Irrigation and Fertigation System

This smart irrigation and fertigation system is engineered for precise nutrient delivery to crops. It features zoned control of solenoid valves, dual filtration with automatic backflushing, and remote monitoring capabilities.



ADDITIONAL IMAGES



Overview

Smart Irrigation and Fertigation System

This integrated irrigation and fertilization system provides high-precision nutrient delivery for professional agricultural applications. By combining constant pressure water supply, dual-channel EC and pH monitoring, and automatic filtration with backflushing, it ensures optimal plant health and resource efficiency. The system supports remote management via mobile or computer applications, enabling automated, timed, and quantitative application of fertilizers to maximize crop yields while reducing labor costs.

Technical Specifications

Irrigation Coverage Area	100 mu
Solenoid Valve Control Range	4-127 valves
Fertilizer Suction Channels	10

Features

Sensor Detection

- Nutrient Solution
- Soil EC Levels
- Soil pH Levels
- Water Pressure
- Flow Rate

Performance Benefits

100 mu

Max Irrigation Area

127 units

Max Valve Count

Key Functionalities

Remote Control, Constant Pressure, Automated Backflushing, Weather Station Integration, Dual-channel Monitoring