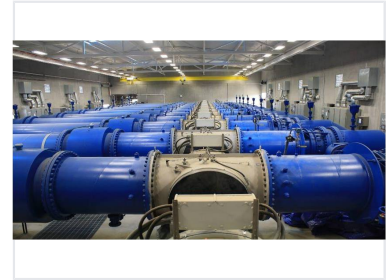


Municipal Drinking Water UV Sterilization System

This high-capacity ultraviolet (UV) disinfection system is designed for municipal drinking water treatment. The system utilizes advanced UV technology to effectively inactivate harmful microorganisms, ensuring safe and clean drinking water.



ADDITIONAL IMAGES



Product Overview

High-Efficiency Municipal UV Disinfection

This medium-pressure ultraviolet sterilization system is engineered for large-scale municipal drinking water treatment. It effectively inactivates over 99.99% of microorganisms without the use of chemical additives, ensuring no harmful byproducts remain in the water supply. The system features smart, real-time power adjustment based on flow rate and UV transmittance to optimize energy consumption while maintaining a dosage of at least 40 mJ/cm².

Performance Metrics

Inactivation Rate

99.99 %

Microorganism Inactivation

Equivalent UV Dosage

40 mJ/cm²

Technical Specifications

Single Lamp Power Rate	16 kW
Material Compliance	Food Grade Materials
Component Origin	Germany (Lamps, Ballasts, Detectors)

Operational Features

Control System

- Real-time UV power adjustment
- Flow rate correlation
- UVT (UV light transmittance) monitoring
- Automated dosage control

Key Advantages

Chemical-free • Low Maintenance • Energy Efficient • High Capacity