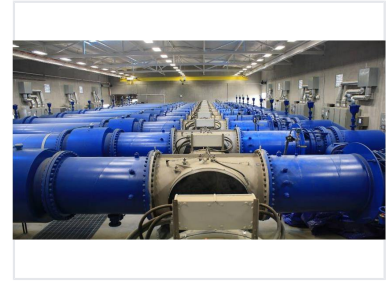
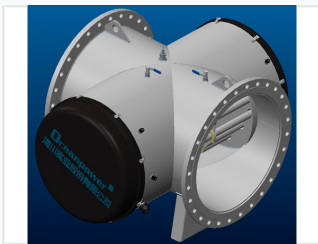


# Municipal Drinking Water UV Sterilization System

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/cm<sup>2</sup>.

## Performance Metrics

### Inactivation Rate

**99.99 %**

Microorganism Inactivation

### Equivalent UV Dosage

40 mJ/cm<sup>2</sup>

## 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