

# iDuron UV Disinfection System

## Intelligent Solution for Wastewater Disinfection Needs

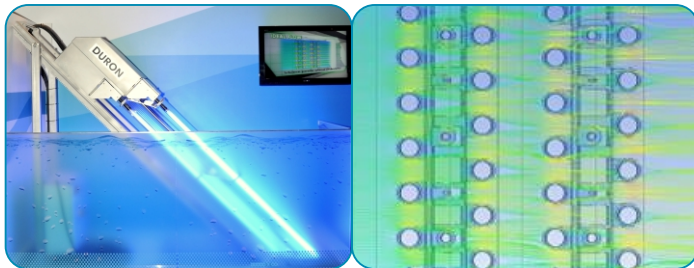
A modular open channel UV system setting the standard for efficiency and serviceability

Ideal for disinfection of mid-size to large wastewater treatment plants



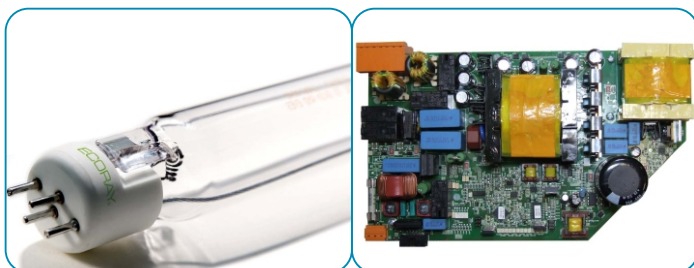
### PRODUCT FEATURES:

#### Module and Configuration



- 45°vertical inclined staggered lamp arrangement for ideal mixing and uniform irradiation
- Modular concept allowing project specific flexibility design
- Easy access to lamps and quartz sleeves
- Low headloss design
- 3rd party validated design

#### Ecoray Lamps and Electronic Ballast



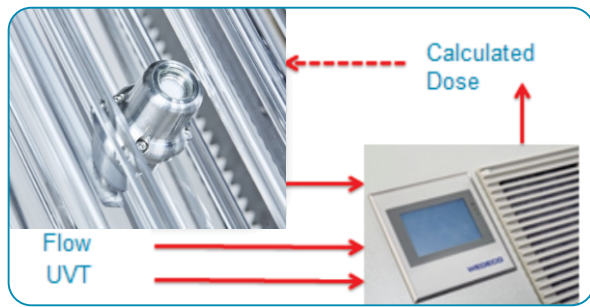
- Energy efficient with variable power
- Long life lamp and ballast combination
- Easily serviced

#### Ecoray Control



- Touchscreen interface
- Local / off / remote switch.
- SCADA for remote monitoring and control

## OptiDose Control



- Ensuring optimum disinfection under all conditions
- Automatic UV lamp dimming
- Automatic UV bank switching
- Automatic UV channel switching
- Resulting in high electrical efficiency

## Electrical Wiping



- Automatic wiping during operation
- By mechanical means only
- No use of chemicals
- Electrically driven, no need for hydraulic oils
- Long wiper lifetime
- Easy replacement of wipers

## Control Cabinet



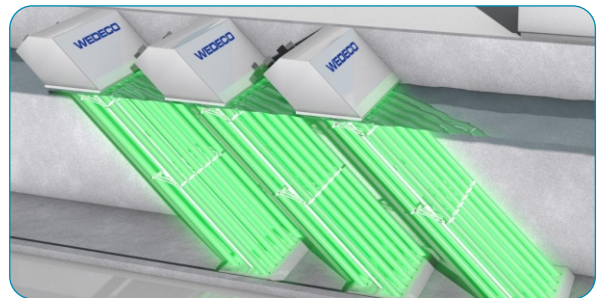
- Compact cabinet design
- Easy to access components
- Ballast card replacement in < 5 minutes
- Variable lamp power controls

The iDuron UV system provides a safe, secure and environmental friendly method of disinfection.

Due to its design and control philosophy, the iDuron results in the lowest lifecycle costs with uncompromising performance and ease of operation.

You adjust to changing conditions. Now your UV system can too.

Call us and let us show you how.



**xylem**  
Let's Solve Water

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