



Duron 8

IGNITE POWERFUL LIGHT FOR THE MOST FLEXIBLE
WASTEWATER DISINFECTION SYSTEM

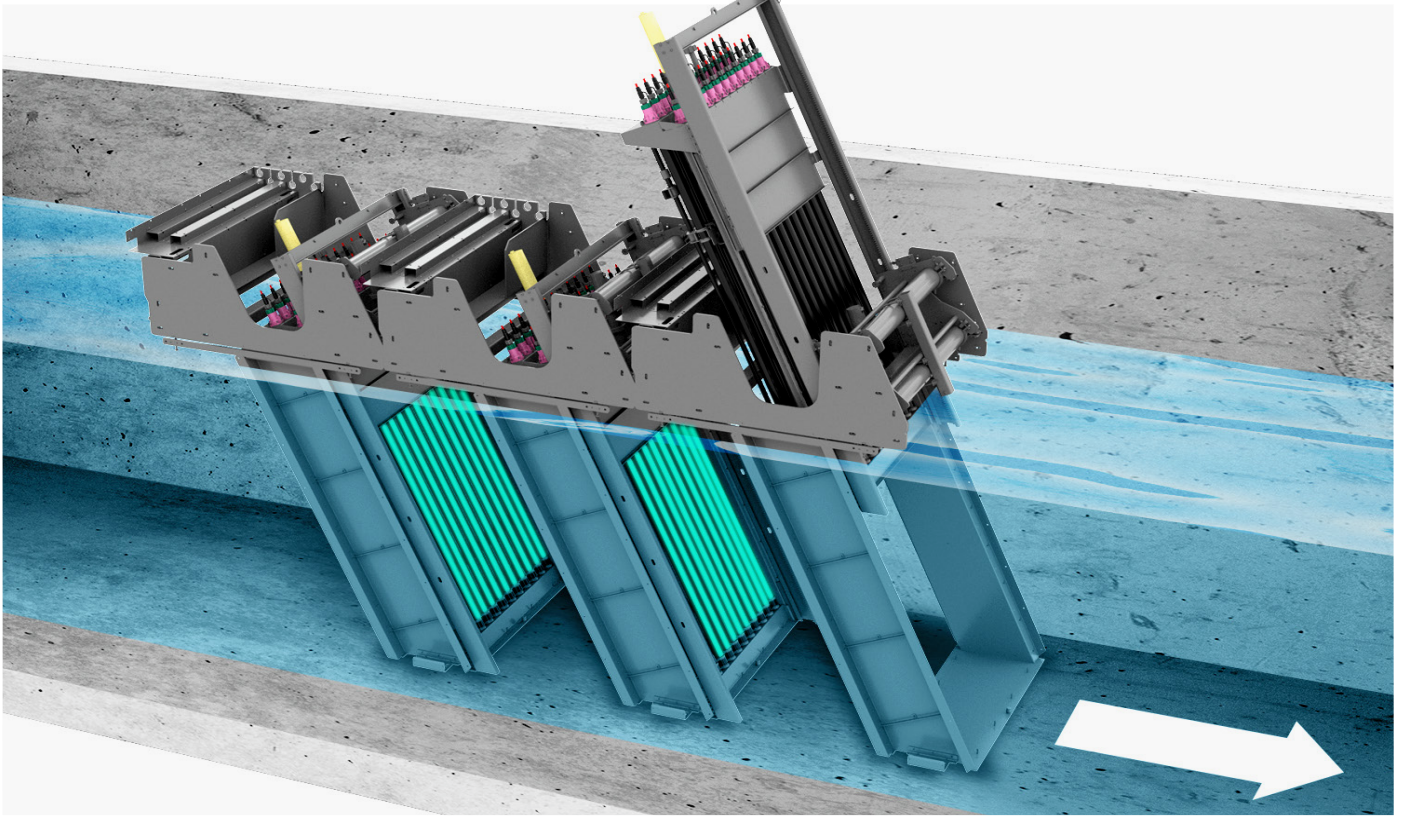
The Wedeco Duron 8 is an open-channel UV disinfection system for wastewater applications. It is designed to allow for easy retrofit of existing chlorine contact basins using one of the most powerful Ecoray UV lamps, a Xylem technology made in Germany.

Tested under a broad range of effluent conditions, it provides a sustainable disinfection solution without any hazardous byproduct formation. It ensures the highest disinfection performance up to reuse standards as well as for low-quality effluents.

Flexible. Efficient. Failproof.

With the Duron 8, Xylem's continual thrust toward innovation has added the most powerful UV disinfection system yet to the Wedeco Duron Series. In addition to stronger disinfection in a more compact space, the Duron 8 offers easy, low-cost maintenance and advanced monitoring technology.

WEDECO
a xylem brand



More affordable with fewer lamps

Higher powered unique 800 W Ecoray® UV lamps and more flexible module lamp arrangement allow for more efficient designs and cut overall installation and operational costs by over 25%.



Easy maintenance

Fewer UV lamps and easy access to all components with integral module lifting allow for simple and fast maintenance. Short lamps increase safety for operators on site.



Simple retrofit capability

Duron 8 provides the largest flow capacity per channel in the industry to cut down total costs of installation. It is highly customizable to help convert more chlorine contact basins into chemical free UV disinfection systems.



Superior ease of installation

Adjustable mounting bars allow for higher channel tolerances, ensuring fail-safe and fast installation. Fewer control boxes and smart cable routing reduce electrical works.



Peace of mind

Third-party validation and built-in redundancy ensure high performance and run times. New app-based connectivity enables easy monitoring and intuitive troubleshooting via mobile device.

UV transmittance range (1 cm)

<20 to >75%

Minimum flow rate

500 m³/h / 3 mgd

Third-party validation type

NWRI, UVDGM

UV lamp technology

800 W Ecoray® LPHO

Lamp life

14,000 hours

UV intensity monitoring

One sensor per bank

Control system

OptiDose

UV module protection class

IP 67

Module lifting

Integral, automatic or manual

Level control device

Fixed or motorized weir

Variable output

50 to 100% power

Common outputs

System status, lamp status, alarm messages, process values

UV electrical standards

CE/ UL/cUL

UV electrical requirements

CE: 400/230 V, 50/60 Hz, 3Ph, N, PE, TNS
UL/cUL: 480Y/277 V, 60 Hz, 3Ph, 4-wire (L1, L2, L3, N, GND)

Ambient air temperature

5–50°C/41–122°F

Protection class

IP54, UL/cUL Type 12 (4X optional)