xylem
Let's Solve Water



Wedeco iDuron

SEE WASTEWATER CLEARLY IN A DIFFERENT LIGHT

The Wedeco iDuron is redefining the way India is treating its wastewater. This modular open channel wastewater UV disinfection system effectively inactivates 99.99% of pathogens without harmful by-products.

As a non-chemical method of disinfection, UV systems do not produce harmful by-products and there is no risk for hazardous leakage.

Reduce Capital Expenses

iDuron is based on Xylem's patented Ecoray lamp and ballast technology. Its 600 W lamp reduces the number of lamps required and has an easy to handle length of 1.4 meters. The 45 degree inclination lowers construction and installation costs by reducing channel depth and maintaining a small footprint.

Eliminate up to 99.99% of Micro-organisms

UV disinfection has been proven against a wide range of bacteria, viruses and parasites. It eliminates the need for chemicals such as chlorine that add harmful substances to the water, reduce the reuse options of water and damage the environment.

Reduce Energy Consumption

The sensor-controlled OptiDose system monitors operating conditions in real time. Its proven control logic gives the optimal required dose that you need. With the Ecoray lamp and ballast technology, you can be assured of proportionally high UVC output, also in dimmed mode, thereby conserving energy.

Increase Operation Time

iDuron's robust design makes your operation and maintenance. Easy access to ballast cards and out-of-water electrical modules provide operational stability. In-channel lamps can be quickly replaced without removing the module out of the channel and quartz sleeves are automatically cleaned with a chemical-free, electrically driven wiper system.

Assure Compliance to Strict Disinfection Requirements

iDuron systems have been tested by international third party validators for wastewater and water reuse applications such as the:

- US EPA UV Disinfection Guidance Manual (UVGDM)
- The International Ultraviolet association (IUVA)
- National Water Research Institute (NWRI)

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BROCHURE CODE OR NUMBER

UV Lamps and Monitoring Systems Specification

Lamp Technology	Ecoray ® ELR60 Low-pressure, high-output amalgam
Power per Lamp	600 W
Number of lamps per module	12 16 20
Number of lamps per bank	12 – 48 (in steps of 4)
Lamp life (warranted)	14,000 operating hours
UV intensity monitoring	One (1) sensor per bank
Lamp cleaning system	Automatic electrical wiping system
Lamp configuration	Staggered, inclined at 45°

Electrical Cabinets Specification

Ballast type	Electronic, high efficiency, variable output (50 to 100 % power)
Control philosophy	OptiDose (true sensor based variable lamp output)
Controller	Eco Touch / PLC
Voltage / frequency	400/230 +/- 10 %, 50 Hz (TN-S Net)
Temperature range	5-40 °C by fans or higher by air-conditioning

To know more about the product, visit us at our website www.xylem.com/en-in
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