



WEDECO

Products for Disinfection and Oxidation

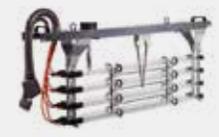
OVERVIEW OF WEDECO UV- AND OZONE SYSTEMS

Performance, reliability and energy savings

Leveraging the experience of more than 250,000 systems installed worldwide, Xylem’s Wedeco brand is a global leader providing reliable, chemical-free, and environmentally friendly water and wastewater treatment technologies, including ultraviolet (UV) disinfection and ozone oxidation systems. Wedeco systems accommodate customers’ individual requirements in the most efficient manner, whether for eliminating microorganisms in wastewater, disinfecting public drinking water, or treating process water for industrial purposes.

Xylem offers a range of advanced wastewater and water solutions to help operators around the world achieve their required water effluent quality while delivering optimal performance, reliable operations and substantial energy savings no matter what industry or application. Working with customers, Xylem listens, learns, and adapts to local environments, ensuring the best possible design customized to meet all specific needs.

UV Systems for Wastewater

Series / Flow Rate Capacity	Applications	Certification	Description
TAK Smart Series Max. 1,000 m ³ /h (6.5 MGD)	<ul style="list-style-type: none"> Disinfection in open channels Biologically treated wastewater Aquaculture Process water Wastewater reuse 	USEPA validated	Packaged open channel UV system incl. Wedeco Ecoray® lamps arranged parallel to the flow with optional channel in stainless steel for a “plug and play” installation. 
LBX Series Max. 2,100 m ³ /h (13.5 MGD)	<ul style="list-style-type: none"> Biologically treated wastewater Process water Drinking water with low UV transmittance Wastewater reuse Sugar syrup Advanced oxidation process 	USEPA, NWRI validated; NSF61 certified	Stainless steel reactor with tightly packed multiple Wedeco Ecoray® lamps arranged parallel to the flow. 
TAK55 Series Over 10,000 m ³ /h (> 60 MGD)	<ul style="list-style-type: none"> Disinfection in open channels Wastewater Wastewater reuse Aquaculture 	USEPA, NWRI validated	UV modules with Wedeco Ecoray® lamps arranged parallel to the flow, designed for installation in concrete channels. 
Duron Series Over 10,000 m ³ /h (> 60 MGD)	<ul style="list-style-type: none"> Disinfection in open channels Wastewater Wastewater reuse Aquaculture Stormwater overflows 	USEPA, NWRI validated	UV modules with Wedeco Ecoray® lamps vertically inclined at 45° including an integrated automatic lifting device designed for installation in concrete channels. 

UV Systems for Drinking Water or Process Water

Series / Flow Rate Capacity	Applications	Certification	Description
Spektron Series Max. 4,150 m ³ /h (26.5 MGD)	<ul style="list-style-type: none"> Private and municipal drinking water supplies Process water for industrial use Food and beverage Aquaculture (fresh water) Swimming pools Advanced oxidation process 	USEPA, DVGW, ÖVGW, SVGW validated; WRAS, NSF61 certified	Stainless steel reactor with OptiCone™ flow diverter and single or multiple Wedeco Ecoray® lamps arranged parallel to the flow. 
Spektron Industrial Series Max. 150 m ³ /h (670 GPM)	<ul style="list-style-type: none"> Process water for industrial use Food and beverage 		Stainless steel reactor (electro-polished from the outside, surface finish < 0.8 µm inside) with multiple Wedeco Ecoray® lamps arranged parallel to the flow and hygienic flange connections. 
Quadron Series Max. 4,000 m ³ /h (25.4 MGD)	<ul style="list-style-type: none"> Municipal drinking water supplies Aquaculture (fresh water) Advanced oxidation process 	USEPA, DVGW validated; WRAS, NSF61 certified	Stainless steel reactor with OptiCone™ flow diverter and multiple medium pressure UV lamps arranged perpendicular to the flow. 
K Series Over 11,000 m ³ /h (>70 MGD)	<ul style="list-style-type: none"> Municipal drinking water supplies Advanced oxidation process 	USEPA validated; WRAS, NSF61 certified	Stainless steel reactor with multiple rows of Wedeco Ecoray® lamps arranged perpendicular to the flow. 

Ozone Systems

Series / Flow Rate Capacity	Applications	Description
SMO Series 406 - 1,100 g/h of O ₃ (21.4 - 58 PPD)	<ul style="list-style-type: none"> Disinfection of drinking and process water Wastewater (municipal/industrial) Elimination of taste and odor Oxidation of iron and manganese Laminating and coating Aquaculture Advanced oxidation process 	Ozone system inside an air conditioned cabinet with automatic process control. Available as skid mounted and containerized version. 
SMOevo^{PLUS} Series 438 - 23,800 g/h of O ₃ (15.5 - 1,440 PPD)	<ul style="list-style-type: none"> Disinfection of drinking and process water Wastewater (municipal/industrial) Elimination of taste and odor Oxidation of iron and manganese Breakdown of pesticides, pharmaceuticals and other microcontaminants Laminating and coating Advanced oxidation process 	Ozone system using Wedeco's Effizon®evo2G electrodes with automatic process control for maximum efficiency. Available as skid mounted and containerized version. 
PDOevo^{PLUS} Series 6,100 - 277,000 g/h of O ₃ (395 - 14,421 PPD)	<ul style="list-style-type: none"> Disinfection of drinking and process water Wastewater (municipal/industrial) Elimination of taste and odor Oxidation of iron and manganese Breakdown of pesticides, pharmaceuticals and other microcontaminants Pulp bleaching Ozonolysis Advanced oxidation process 	High capacity ozone system using Wedeco's Effizon®evo2G electrodes for maximum efficiency with automatic process control. Available as skid mounted and containerized version. 

Xylem

- 1) The tissue in plants that brings water upward from the roots;
- 2) a leading global water technology company.

We're a global team unified in a common purpose: creating advanced technology solutions to the world's water challenges. Developing new technologies that will improve the way water is used, conserved, and re-used in the future is central to our work. Our products and services move, treat, analyze, monitor and return water to the environment, in public utility, industrial, residential and commercial building services settings. Xylem also provides a leading portfolio of smart metering, network technologies and advanced analytics solutions for water, electric and gas utilities. In more than 150 countries, we have strong, long-standing relationships with customers who know us for our powerful combination of leading product brands and applications expertise with a strong focus on developing comprehensive, sustainable solutions.

For more information on how Xylem can help you, go to www.xylem.com