



UV Systems for Corrosive Media

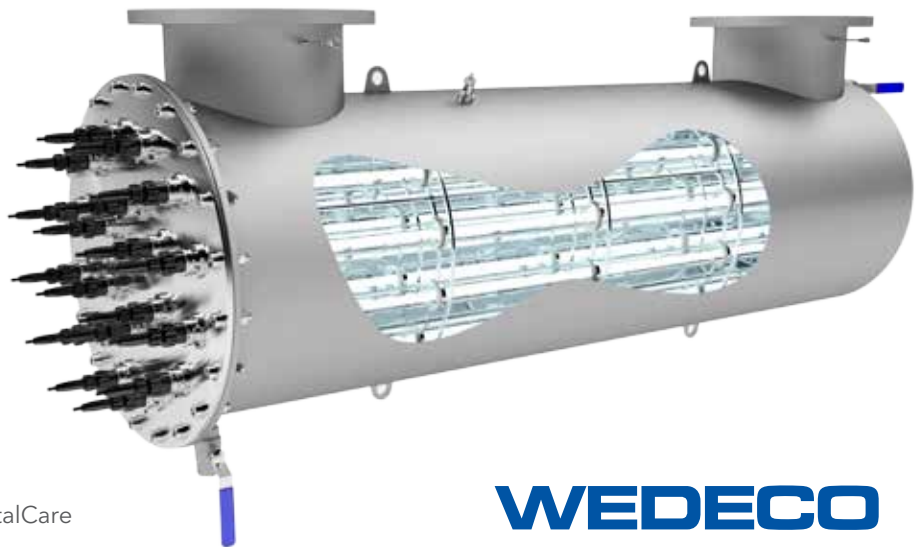
LET'S PROTECT AGAINST PATHOGENS AND SALTWATER CORROSION

Xylem offers long disinfection experience and a broad portfolio of UV solutions specially for corrosive media like saltwater. Backed by a huge, global reference base in various applications including aquaculture, aquariums and thermal springs, and systems with validated disinfection performance, Xylem is the right partner for your water treatment needs.

Take account of benefits with WEDECO non-corrosive UV disinfection solutions

- **Wide range of products** suitable for water intake, recirculation and effluent, selected and designed by Xylem experts just for your particular needs, no matter what water type and space available.
- **Safe and reliable disinfection** guaranteed by validations/approval according to industry leading authorities (NVI, US EPA).
- **Easy integration into water treatment schemes** by Xylem's experienced design and commissioning support and easy uplink to superior monitoring and control systems.
- **Simplicity of operation** Equipped with long-lasting UV lamps and easy-to-use monitoring and control device for lowest operator involvement.
- **Low life-cycle costs** Highest energy savings with sensor-based UV dose control and high-efficiency UV lamp technology, and reduced and easy maintenance effort.
- **Worry-free operation** with lasting components and Xylem's comprehensive TotalCare aftermarket and service capabilities.

The WEDECO BX UV system made of Duplex stainless steel allows for safe and energy-efficient disinfection of high flows of saltwater or other corrosive media



WEDECO
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WEDECO UV Systems for Corrosive Media

	A/B PE Series	BX Series	Quadron 3000	TAK Smart
				
Main Application	Intake water Recirculation System	Intake water Recirculation System	Well-boats Applications with space constraints	Effluent Intake water
Maximum Flow	375 m ³ /h	530 m ³ /h (HDPE) 2,120 m ³ /h (Duplex SS)	4,100 m ³ /h	250 m ³ /h (HDPE) 1,030 m ³ /h (concrete)
Minimum Water UVT ¹	80 %	80 %	65 %	45 %
Water Temperature	5 - 40 °C	5 - 45 °C	5 - 30 °C	5 - 45 °C
No. of Lamps (Lamp Type)	1 - 9 (Spektrotherm®)	6 - 32 (Ecoray®)	5 (Mulitray™)	2 - 32 (Ecoray®)
Guaranteed Lamp Life	10,000 h	14,000 h	8,000 h	14,000 h
Reactor/Channel Material	HDPE	HDPE / Duplex SS	Duplex SS	HDPE / concrete
Maximum Operating Pressure	6 bar	6 bar (HDPE) 10 bar (Duplex SS)	10 bar	barometric pressure (open channel)
Flange Type Reactor Shape	DN loose flange U (B) or Z (A) shape	DN/ANSI U shape	DN 600 / ANSI 24 " in-line	DN/ANSI loose flange in-line
UVDGM ² Validation		✓	✓	✓
NVI ³ Approval	✓	✓	✓	
Cleaning Device	✓ Optional manual rinser	✓ Optional manual rinser	✓ Automatic wiping system	✓ Optional automatic wiping system
Calibrated UV Intensity Monitoring	✓	✓	✓	✓
OptiDose™ sensor-based UV dose control		✓ option	✓ option	✓ option
SCADA Connection		✓ option	✓ option	✓ option

¹ at 254 nm, 1cm

² validated according to the U.S. Environmental Protection Agency's UV Disinfection Guidance Manual (US EPA's UVDGM, 2006)

³ Norwegian Veterinary Institute

xylem
Let's Solve Water

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WEDECO is a brand of Xylem, whose 12,500 employees are addressing the most complex issues in the global water market.

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