

# Turn-key advanced oxidation, efficient and effective

Our goal is to provide the world with safe clean water. With the Advanox™ Flex, we give you the tools to make this as easy as possible.

Advanced Oxidation Processes (AOP) break down micropollutants in water. We do this with hydrogen peroxide and UV light, which makes it possible to treat many types of water.

## UVO3

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# Advanox™ Flex

Micropollutants are the new challenge we need to face if we wish to increase our water quality and reduce our ecological impact.

We have made huge leaps in our welfare, food supply and health, but this has also left its mark. In our water, for example, we find more and more pesticides and pharmaceuticals such as antibiotics, medicine and hormones, with the impact of this becoming increasingly evident.

## TURN-KEY FLEXIBILITY

- Compact design
- 2-30m<sup>3</sup>/h capacity
- Just connect and start for a complete treatment step
- Everything you need to know on one screen
- Continuous process monitoring

The Advanox™ Flex consists of a flexible arrangement of reactors from the Focus series, which has been specially developed for AOP. These reactors feature integrated static mixing, precise dosing points and high-quality robust sensors, delivering a powerful AOP while maintaining streamlined efficiency.

Our highly efficient low-pressure lamps, combined with stable and precise hydrogen peroxide doses and radicals thoroughly break down contaminants, leaving only clean water without harmful by-products (such as bromate and NDMA), residues or safety risks. Whether you install the basic framework independently or with support from our AOP experts, the system seamlessly manages the purification process thereafter.

- Adjustable treatment programme and intensity
- Double-walled and secure hydrogen peroxide storage
- Inline measurement of UV-C dose and water quality
- Low-pressure lamps with approx. 12,000 hours of operation
- Remote access and control
- Remote service

### Capacity table

	Advanox Flex		
Type	90	130	200
Application	Wastewater	Ground water	Drinking water
Transmittance (T10)	40-60%	60-80%	80-99%
Capacity (m <sup>3</sup> /h) based on 5000J/m <sup>2</sup>	3,4 - 4,8	6,2 - 10,1	14,5 - 29,8
Capacity (m <sup>3</sup> /h) based on 10000J/m <sup>2</sup>	1,7 - 4,8	3,1 - 5,0	7,2 - 14,9

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