



OptiLon®

The new benchmark for wiped UV systems

*UV Disinfection Systems
with patented HybridWiper®*

FIDES

The new benchmark for wiped UV systems

The new AQUAFIDES OptiLon series is designed to deliver a validated and certified UV fluence (dose) of 400 J/m² according to the new DIN 19294 (DVGW/ÖVGW/SVGW). In addition to drinking water, the OptiLon series is suitable for use in industrial process water and wastewater applications. OptiLon UV disinfection systems set the standard for efficiency, quality, reliability, and durability. The exceedingly robust construction, wiper mechanism and electronics have been tested under extreme conditions.

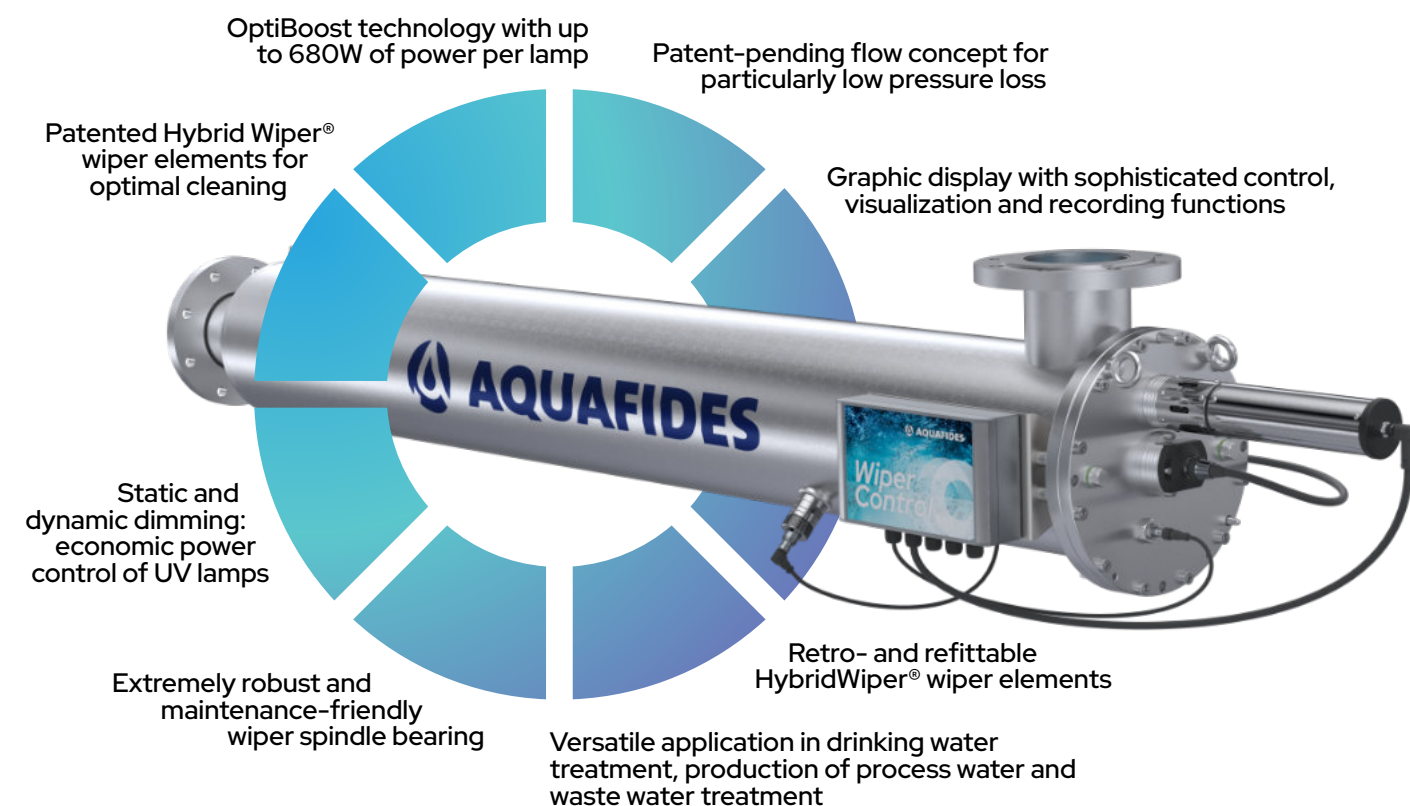
Intelligent lamp technology combined with a patent-pending hydraulic design ensure extremely efficient disinfection performance with low pressure loss. Our patented HybridWiper wiper elements guarantee industry leading cleaning system performance. The maintenance-friendly design offers a tool-free replacement of wiper elements. Likewise, lamp or lamp sleeve replacement without dismantling the wiper motor can be carried out quickly and easily.

Static and dynamic lamp dimming with UV dose control ensures maximum efficiency and energy savings. Permanent dimming is made possible by state of the art UV lamp technology which uses intelligent heating so lamps always operate in the optimal operating window (also in very cold water). This also has a positive effect on the lamp lifetime.



OptiLon 8AF640A for wastewater treatment

Validated and certified quality



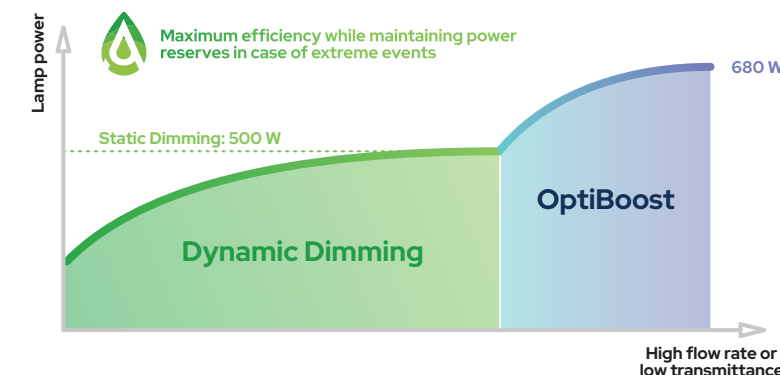
Completely new developed 7-inch graphic display

- ✓ Extensive control and monitoring functions
- ✓ Modern user interface for simplicity and easy operation
- ✓ Remote control via Modbus / TCP (IP)
- ✓ Fluence (dose) control of the UV device: Adjustment of lamp power according to actual operating condition



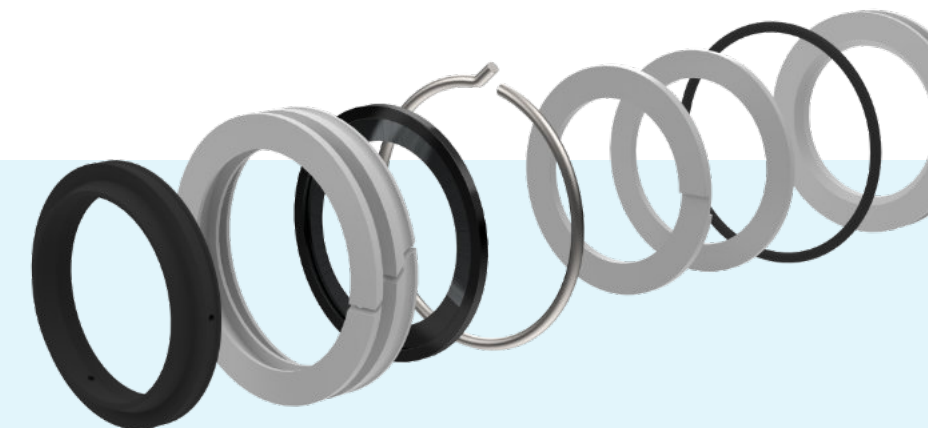
Economic power control

- ✓ Dynamic dimming of UV lamps for economical operation
- ✓ Performance reserves allow a boost in case of extreme events, such as heavy rain
- ✓ Integrated thermal management optimizes lamp lifetime



Patented HybridWiper® technology

- ✓ Optimal wiping result through integration of several specific wiper elements: e.g. asymmetrical double lip for soft deposits and ring brush for removing hard fouling
- ✓ Customizable, retro- and refittable wiper configuration
- ✓ Easy to maintain and tool-free replacement of wiper elements
- ✓ Cleaning of UV sensor window possible due to special HybridWiper® design
- ✓ Gentle cleaning of surfaces without any addition of chemicals
- ✓ Very robust overall system: Stress test accounting for several years of continuous operation by authorized UV test laboratory



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