

TROJAN **UV**

 **AQUAFIDES**

Helping municipalities disinfect drinking water

 **TROJAN**
technologies®



Building water confidence with best-in-class UV technology

As the world changes and water becomes scarcer, communities need better technology and solutions to help them meet their water quality objectives. TrojanUV® and AQUAFIDES® share a strong history of helping municipal customers address contaminants and micropollutants in drinking water.

TrojanUV is trusted and recognized for providing reliable and efficient water treatment solutions to large-scale municipalities. These pressurized and open-channel UV disinfection and advanced oxidation systems are used worldwide for wastewater and drinking water treatment, remediation of groundwater and surface water contaminants, and reuse and water recycling applications.

AQUAFIDES offers proven UV expertise and product innovation to smaller municipalities. These small- to medium-sized, closed-vessel UV systems are validated in accordance with the latest European drinking water disinfection regulations.



The largest UV installation base in the world

11,000+

municipal systems installed

1.5B

Collectively recycling more than 1.5 billion gallons of water every day

9.5M

Delivering high-quality water to 9.5 million people in New York City, home to the world's largest UV drinking water facility

70B

Treating a collective flow rate of more than 70 billion gallons a day



Systems that are suitable for the highest demands in drinking water treatment

1,000+

installations in Europe



Validated according to the latest DIN 19294-1:2020 and ÖNORM M5873-1:2020



Certified by DVGW, OVGW, SVGW, NIPH, and ACS UV

Your comprehensive source for UV drinking water treatment



	AQUAFIDES Compact	AQUAFIDES OptiLon®	TrojanUVSwiftSC	TrojanUVSwift®	TrojanUVFlex®
POPULATION SERVED*					
500 to 3,300	●	◐			
3,300 to 10,000	●	●	●	●	
10,001 to 100,000	●	●	●	●	
100,000+		◐		●	●
Flow rate range	1 to 650 m³/h	1 to 2,080 m³/h	8 to 2,523 m³/h	946 to 6,309 m³/h	233 to 7,000 m³/h
Number of lamps	1 to 12	1 to 12	B Series: 4 to 8 D Series: 3 to 30	2 to 10	16 to 128
Certifications	DVGW, OEVGW, SVGW, NIPH, ACS	DVGW, OEVGW, SVGW, NIPH, ACS	B Series: DVGW D Series: USEPA UVDGM	USEPA UVDGM	USEPA UVDGM, NWRI
Lamp type and power	LPHO: 45W, 90W Amalgam: 200W, 300W, 400W	Amalgam: 680W	LPHO: 165W, 240W	MP: 3 to 11.7 kW	LPHO: 500W
Wiping	No	Yes (standard)	B Series: Yes (standard) D Series: Yes (optional)	Yes (standard)	Yes (optional)
User interface	4-line display (standard) 7-inch TFT display (optional)	7-inch TFT display (standard)	4-inch color touchscreen (standard)	7-inch PV 700+ (standard) 10-inch PV 1000+ (optional) 12-inch PV1250+ (optional)	7-inch color touchscreen (standard)

● Ideal for ◐ Contact Trojan Technologies for population specific sizing.

* Based on approximate range

Innovative features, proven performance

TrojanUV and AQUAFIDES systems feature the latest innovations in UV technology and best-in-class components that maximize operating efficiency, drastically simplify operation, and reduce maintenance costs.



Wiping systems

Wiping systems remove fouling to ensure the maximum amount of ultraviolet light penetrates the water. Automatic operation eliminates the need for operator involvement, draining the UV chamber, or disrupting treatment. This optional feature is available on TrojanUV systems and comes standard on the AQUAFIDES OptiLon.

User-friendly interfaces

High-resolution touchscreen displays provide intuitive navigation, making system control and data access fast and easy.

Flexible installation

Compact footprints simplify installation and minimize related capital costs. Lamps and sleeves are fully serviceable from one side, allowing placement tight to walls, other equipment, or piping. Some systems are designed for horizontal and vertical installations for maximum flexibility.

Proven performance

Validated through microbial testing in accordance with the latest regulatory standards and norms. Performance data has been generated for UV dose delivery to inactivate *Cryptosporidium*, *Giardia*, and *adenovirus*.

High-efficiency, high-output lamps

Our efficient lamp technology significantly reduces the energy needed to treat your flow rate. Fewer lamps are required to treat a given flow, delivering substantial savings on power, lamp replacements, and maintenance.

Confident control and monitoring

Controllers monitor UV intensity and performance, hours of operation, lamp status, and power levels to help ensure accurate dose control, system diagnostics, and energy-efficient operation. Some controllers are equipped with optional dynamic lamp dimming, which conserves energy while maintaining specified dose levels.

Easy maintenance

Routine maintenance procedures, including lamp change-outs and sensor calibration checks, are simple and require minimal time.

Peace of mind

All TrojanUV and AQUAFIDES systems include comprehensive warranties for systems and parts. Our extensive partner network quickly responds to requests for spare parts, service, and support.

Delivering world-class UV expertise and customer-friendly service

Our installation base is supported by a global team of certified service technicians and a network of trusted channel partners. Depending on the product and the location, service and support may be provided by either Trojan Technologies or a channel partner. Our strong distribution structure enables us to offer the following services and support to customers worldwide:

- ✓ Engineering and installation support
- ✓ Startup services
- ✓ Operator training
- ✓ UV system optimization services
- ✓ Genuine replacement parts
- ✓ Technical assistance
- ✓ Preventive maintenance plans
- ✓ System inspection
- ✓ Scheduled field services
- ✓ Emergencies and break-fix
- ✓ Controller upgrades
- ✓ Piloting
- ✓ Analytical support

Multilingual support is available from our Authorized Distributor Network and from our Technical Assistance Center.

For questions regarding your application needs, please contact your local Authorized Distributor or Trojan Technologies for more information.



To learn more about the brands and affiliates of Trojan Technologies, visit www.trojantechnologies.com