

# GRAPHIC DISPLAY

The most advanced control for UV systems

*Innovative, newly developed display and control for UV disinfection systems*

# AQUAFIDES 7-inch Graphic Display

## The most advanced control for UV systems

The new 7-inch display not only brings a radically new interface and menu navigation, but also revolutionary and innovative control and regulation options that enable maximum user comfort. Technical software innovations go together with an update of the entire control cabinet technology to achieve new functions and meet increased performance requirements.



The groundbreaking control system provides excellent convenience in controlling and monitoring all major system parameters. As usual with AQUAFIDES systems, a special focus was placed on user-friendliness. In addition to the large 7-inch TFT color display for clear presentation of all relevant system information, a tactile 5-button control pad is used. This allows error-free, simple operation even under difficult conditions such as moisture and dirt.

The numerous new features include, for example, dimming of UV lamps, fluence (dose) control or remote maintenance via ModBus/TCP. The AQUAFIDES 7-inch graphic display is available for both the Compact and OptiLon series.

*"The decades of experience of AQUAFIDES in the development of UV disinfection systems can be seen in every detail of the new control with graphic display."*

**Completely newly developed user interface** and a 7-inch TFT display for clarity and intuitive operation

**Tactile control pad with haptic feedback** to ensure flawless operation even in demanding environments (moisture, dirt)

**Static and Dynamic Dimming** of the UV lamps for maximum efficiency and economical, resource-saving operation of your devices

**Extensive Control and Monitoring Functions** incl. innovative UV dose control of UV disinfection systems

**Intelligent Wiper Control:** Various control modes for UV disinfection systems equipped with the HybridWiper®

**Remote Maintenance** and connectivity via ModBus/TCP (IP)

**Information at a glance:** Check all essential system parameters such as your sensor data, trend values, lamp hours, flow rate and much more on one single screen.

**Integrated Maintenance Management:** Continuous recording of maintenance intervals, lamp hours, historical sensor data and much more supports the operator in servicing his or her UV disinfection system.

### Dimming of the UV lamps

AQUAFIDES UV systems equipped with the new graphic display allow the power of the UV lamps to be regulated. If the disinfection requirement is reduced, the output of the UV lamps can be adjusted accordingly. This enables maximum efficient operation of the UV system with lower overall power consumption. An integrated thermal management keeps the UV lamps in the optimum operating window and extends their service life.



### UV Dose (Fluence) - Display and Control

With the UV dose display, you always have the actual disinfection performance of your UV system in view, so you can ensure the standards and application-specific disinfection levels (i.e. 400 J/m²). The innovative dose control, in combination with the power control of the UV lamps (dimming), allows you to precisely adjust the lamp power to the required UV dose and makes extremely economical operation possible.



### Extensive Control and Monitoring Options

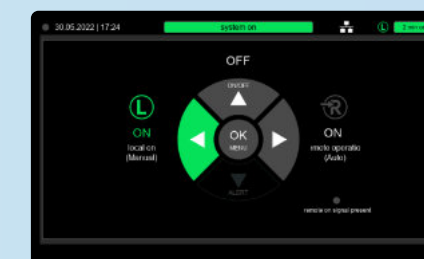
Numerous inputs and outputs of the new control ensure excellent connectivity of your AQUAFIDES UV system. In addition to the various device-specific operating parameters (i.e. UV sensor value of the device radiometer), many device-external signals such as flow rate or temperature can be processed as well. Complete remote maintenance is possible via Modbus/ TCP.



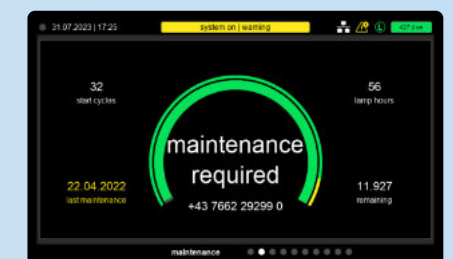
**Sophisticated Authorization System:** Activation of setting options depending on user qualification and area of responsibility



A clearly structured menu navigation supports the operator with help texts and explanations directly on the display



Accessibility of essential functions such as switching the system on or off with just one click on the control pad



Complete transparency and tracking of maintenance-critical factors such as lamp hours, start cycles and maintenance intervals

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