

UV System

GLI-Series



Industrial and Commercial Applications

WEDECO
Ultraviolet Technologies



GLI
UV-System



GLI Series UV System

Markets

- Commercial
- Petroleum & Chemical
- General Industrial

Applications

- General Disinfection
- Cooling Towers
- Process Water

As the world leader in UV systems design, Wedeco UV Technologies is proud to offer the GLI Series of industrial UV disinfection products. The GLI line was designed with OEM and End User customers in mind, offering a wealth of critical standard features and convenient options.

Twenty-five years of UV disinfection experience is packed into the GLI Series. Designed for superior disinfection performance by providing a minimum 30,000 $\mu\text{Wsec}/\text{cm}^2$ UV dose at rated flow, WEDECO engineers developed the GLI from the ground up by focusing on the three critical elements for UV system performance; the UV lamp, the power supply/controls, and the engineered vessel.

XLR Lo-Hi Lamp Technology

GLI Series products utilize high performance, cost effective Type XLR lamps. The XLR low pressure, high intensity (Lo-Hi) lamps are high power, monochromatic* lamps offering up to three times the intensity of Lo-Lo lamps per unit length at the optimum UV wavelength (254 nm) for disinfection. The result for customers is maximum performance with reduced operating costs in a very compact design. All Wedeco UV lamps pass through our exclusive 21 step quality assurance program for unprecedented reliability, which allows us to back XLR lamps with a 9000 hour warranty.

Power Supply and Controls

The performance of the GLI is enhanced by a state-of-the-art electronic smart ballast and microprocessor control system. Designed to withstand rugged industrial environments, GLI electronics are housed in a compact, UL 508A Listed Type 4 painted steel enclosure for mounting up to 35 feet away from the vessel. The GLI Series also offers the user substantial safety and warning features through its clean combination of a three character digital display and LED indicator lamps.

Display, Warning and Control Features:

- **Digital remaining lamp life indicator (days)**
- **Operating status (Normal or one of two alarms - low & high priority)**
- **Digital lamp intensity indication (%) (See Note 1 below)**
- **4-20 mA signal for remote intensity monitoring (See Note 1 below)**
- **Alarm output contacts**
- **Solenoid valve output**
- **Inhibit contact**

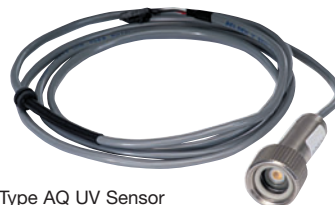
Note 1: These features are only available with optional UV sensor.

Superior Vessel Performance

Intensity distribution and vessel hydraulics are critical to reliable UV dose delivery. GLI vessels are computer optimized (CFD) to ensure uniform UV intensity distribution and engineered flow baffles within each vessel ensure proper hydraulic residence time distribution (HRT) for reliable dose delivery. GLI Series vessels are manufactured in the Charlotte, NC facility of high quality, heavy gauge minimum 316L stainless steel with a 2B surface finish and electropolished exterior. Standard GLI vessels can be mounted vertically or horizontally and include industry standard NPT inlet/outlet fittings for simplified pipe connections.

GLI Series Options Include:

- **Type AQ UV Sensor – highly accurate, single piece sensor**
- **Stainless Steel Raised-Face Threaded Flanges**
- **Thermal Overheat Protection Switch**



Type AQ UV Sensor

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