

# PRODUCT BULLETIN

<b>ISSUE/DATE:</b>	January 2023	<b>BULLETIN NUMBER:</b>	23-PB-IC-AQUAFINE NEW SENSOR DESIGN
<b>TOPIC:</b>	OPTIVENN & AVANT NEW SENSOR DESIGN	<b>PRODUCT LINE:</b>	System OptiVenn™ System Avant™

## OVERVIEW

The Aquafine OptiVenn™ and Avant™ product lines offer an optional UV Intensity sensor used to monitor the status of the UV system. As part of Trojan Technologies' continuous improvement efforts, we will be transitioning to an alternate Trojan sensor design for the Aquafine OptiVenn™ and Avant™ product lines. The new sensor design has been reliably performing in Light Industrial / Commercial applications since 2014 with over 45,000 installations and recently has been verified in both OptiVenn™ and Avant™ across a range of operating conditions. As of February 1<sup>st</sup>, 2023, all OptiVenn™ and Avant™ systems and replacement UV sensors will be transitioning to this sensor design.

### NEW UVI SENSOR – P/N – 270309R-XXX



### CURRENT UVI SENSOR – P/N – 015538-00XCERT



System	New UV Sensor P/N	Current UV Sensor P/N
OptiVenn™	270309R-001	015538-001CERT
OptiVenn™	270309R-002*	015538-002CERT*
Avant™	270309R-003	015538-003CERT

\* - USP Class VI O-Rings



## **SOLUTION**

The new UV sensor is based on a design that has been used by Trojan for over nine years with over 45,000 installations. Key features and benefits;

- A proven design for humid environments preventing moisture intrusion for improved performance and reliability
- A proven core technology platform extensively tested in Industrial applications including 185nm UV wavelength used in TOC reduction applications
- NIST traceable
- Compact robust design
- Backwards compatibility - existing systems require no modification or adaptor to use the new design.
- Extensive laboratory and field aging performance testing conducted

## **INSTALLATION OR INSTRUCTIONS**

The UVI Sensor is a direct replacement and requires no modification or adapters for installation in the system.

Refer to your system's Operation and Maintenance Manual for instructions on removing and installing the UV Intensity Sensor.

## **WARRANTY**

Standard Aquafine warranty applies for new systems and replacement sensors that utilize the new design.

## **SAFETY**

We remind you that only adequately trained and qualified individuals should operate, repair or maintain your Aquafine equipment.

When performing maintenance on any equipment, be sure to follow all applicable safety practices such as wearing personal protective equipment, locking out and tagging sources of energy and depressurizing vessels before performing any service, and always consult the equipment O&M manual before beginning work. Failure to follow these instructions could result in serious bodily injury or death.

## **ASSISTANCE**

If you require technical assistance or have any questions regarding this bulletin, please contact the Technical Assistance Center: [techservice@trojantechnologies.com](mailto:techservice@trojantechnologies.com) or call 1-866-388-0488. Outside of North America please call 01-519-457-2318

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