PRODUCT BULLETIN

ISSUE/DATE:	March 2022	**BULLETIN NUMBER:**	22-PB-IC- UV Intensity 100% Set Point
TOPIC:	UV Intensity 100% Set Point	**PRODUCT LINE:**	OptiVenn™, Avant™

OVERVIEW

OptiVenn™ and Avant™ systems are equipped with UV Intensity (UVI) sensors to measure and display UV intensity. The UVI sensor indicates when a lamp change or quartz cleaning/replacement is necessary. Other factors may also trigger the need for lamp or sleeve maintenance and should also be monitored per the Operations and Maintenance Manual (O&M).

Some customers are reporting a decline in UVI measurements on their OptiVenn™ and Avant™ UV Systems in a short period of time after start-up. The purpose of this bulletin is to clarify that this reduction in the UV Intensity reading is expected in certain operating environments and that the UV systems are still operating within the design specification.

The efficacy of the OptiVenn™ and Avant™ systems is not impacted by decline in UVI Sensor readings observed in the period up to 48 hrs after the system is turned on, either during initial start-up or if the system is restarted.

DETAILS

OptiVenn™ and Avant™ systems operating at lower water temperatures take a longer time to achieve a stabile UVI Sensor output signal. The setting of the relative *UV Intensity 100%* set point for Optivenn™ and Avant™ Systems should be completed at the typical process fluid temperature for the application. For fluid temperatures **<15 Deg C (<60 Deg F)** a period of up to 48 hours of operation may be required to ensure the UVI Sensor output signal has stabilized.

Setting the relative *UV Intensity 100%* set point prior to stabilization of the UVI Sensor output may result in establishing a set point that is above stable UVI operation, which can result nuisance alarms as the signal will continue to decline until stable.

The systems performance is not impacted during stabilization and the UV system will continue to operate within the design specification.

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: techsupport@aquafineuv.com or call 1-866-388-0488.
Outside of North America please call 01-519-457-2318