

# SAFETY BULLETIN

<b>ISSUE/DATE:</b>	August 2023	<b>BULLETIN NUMBER:</b>	23-SB-IC-OPTIVENN AND CSL PLUS CONTROLLER RETROFIT REV. 2
<b>TOPIC:</b>	OPTIVENN AND CSL PLUS CONTROLLER RETROFIT	<b>PRODUCT LINE:</b>	System OptiVenn™ System CSL Plus™

## URGENT – Immediate Action Required Important Safety Notice

Aquafine is announcing a retrofit program for the following industrial / commercial use products relating to the isolation between high and low voltage circuits within the Control Power Panel of certain systems. The possibility exists that a build up of dust or particulate on the surface of the control board, or a power surge, could cause an electrical connection between the low voltage and high voltage circuits providing high voltage potential at the Operator Touchscreen (HMI) or external customer signal wiring (I/O) connected to the UV System Control Power Panel resulting in an identified risk of possible shock and / or electrocution. This was identified as part of a regular internal design review process and not a result of any reported incidents or injuries.

There have been no reports of incidents or injuries with over 4000 systems installed since 2016.

### What you should do if you have an OptiVenn™ or CSL Plus system installed:

If you have an OptiVenn™ or CSL™ Plus system installed and it falls within the production date ranges identified below, please go to our retrofit Self Registration Portal here: ([Retrofit Self Registration Portal](#)) to become involved in the retrofit program. You will require the system(s) serial number(s) and will need to register for each mailing address individually.

The potential risk is only present under the specific conditions with a potential build up of dust or particulate on the surface of the control board, or a power surge, could cause an electrical connection between the low voltage and high voltage circuits providing high voltage potential at the Operator Touchscreen (HMI) or external customer signal wiring (I/O) connected to the UV System Control Power Panel and in combination with the conditions identified below.

### Please do not continue to operate or energize the system if any one or more of the following conditions are present:

- Cuts or worn through area on the Operator Touchscreen (HMI) membrane;
- Any external customer signal wiring (I/O) from the Control Power Panel is being utilized\*\*; and/or
- The system is displaying touchscreen irregularities or unexpected system behaviors

\*\* - Any external customer signal wiring (I/O) from the Control Power Panel should be disconnected as mitigation.



**Products:** OptiVenn™, CSL™ Plus

**OptiVenn Models:**

OPV01CDS, OPV02CDS, OPV03CDS, OPV02CDM, OPV02DDM, OPV04CDM, OPV04DDM, OPV04CDL, OPV04DDL, OPV06DDL, OPV08DDL, OPV08EDL, OPV08FDL, OPV10GDL, OPV12HDL, 04CTM, 06CTM, 08DTM, 08DTL, 10DTL, 12DTM, 12DTL

**OptiVenn™ Affected Production Date Range:**

September 2018 – November 2021

All OptiVenn systems produced after November 2021 are not subject to this Safety Notice

**CSL™ Plus Models:**

4R, 6R, 8R, 12R, 8R60, 10R60, 12R60

**CSL™ Plus Affected Production Date Range:**

All CSL™ Plus units produced are affected

**Hazard:** Risk of Possible Shock and / or Electrocution

**Incidents / Injuries:** There have been no reports of incidents or injuries with over 4000 system installations

**What Aquafine is doing:**

Aquafine is implementing a retrofit program to replace components relating to the electrical board in the OptiVenn™ or CSL™ Plus Control Power Cabinet and will distribute these components at no cost to address the potential risk. We have prepared detailed step-by-step instructions, and as always, our service team is available to answer any questions that may arise throughout the retrofit.

**SAFETY**

/!\ To prevent risk of electrical shock and/or electrocution:

We remind you that only adequately trained and qualified individuals should operate, repair or maintain your Aquafine equipment, including in connection with matters addressed in this Safety Notice.

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. Always consult the equipment O&M manual before beginning work.

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

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