

PRODUCT SAFETY BULLETIN

ISSUE/DATE:	November 13, 2013	BULLETIN NUMBER:	AQ111313
SUBJECT:	Operation & Maintenance	PRODUCT LINE:	TROJANUVLOGIC, TROJANSWIFTSC, TROJANUVFIT, TROJANUVPHOX, SWIFT BEVERAGE SERIES, & UVK SERIES 1000 – 30000
TOPIC:	CRITICAL SAFE EQUIPMENT OPERATION & MAINTENANCE REMINDER		

OVERVIEW / DESCRIPTION

The sleeve bolts used on the SwiftBeverage, TrojanUVFit, TrojanUVLogic, TrojanUVPhox, TrojanUVSwiftSC and UVK 1000-30000 series of products can potentially fail, and should be inspected annually and replaced if a defect is noted.

In addition, we are issuing this urgent reminder to follow all applicable safety procedures when performing any service on your UV system. Please ensure that this information is received and understood by all personnel working with your UV system.

Aquafine and TrojanUV products are safe when properly maintained and operated, but, if any of the required precautions, including without limitation the following examples, are not followed, seriously dangerous conditions may result, in turn leading to the risk of **severe bodily injury, or death**.

EXAMPLE PRECAUTIONS



- **DO NOT stand in direct line of UV lamps or quartz sleeves while UV chamber is operating under pressure.** Failure to observe this safety precaution could result in serious bodily injury or death from the forcible ejection of a quartz sleeve, lamp, broken glass or other material from the chamber.

- **The equipment should never be serviced unless the electrical power has been shut down, locked out and tagged out,** Failure to follow this directive can result in electrical shock, severe bodily injury and/or death from electrocution.
- **NEVER stand in front of the UV lamp section while the UV chamber is under pressure.** Stand to the side of the UV chamber, and restrict traffic moving past the UV lamp section, while looking for leaks. If a leak is observed, depressurize immediately, drain, repair and retest.
- **The service end cap should never be removed while the unit is pressurized.** Failure to observe this safety precaution could result in serious bodily injury or death from the forcible ejection of a quartz sleeve, lamp, broken glass or other material from the chamber. Isolating and depressurizing the unit, by closing the inlet and outlet valves and carefully and slowly opening the drain, air bleed or equivalent valve, **before** removing the service end cap, eliminates this risk.
- **Equipment should always be operated in accordance with the operation manual.**
- **Please ensure your UV system is properly piped to prevent extreme impulse pressure or “water hammer”.** Impulse pressure or a “water hammer” condition may result in extreme momentary pressure and may rupture and fracture the quartz sleeves and/or damage the sleeve bolts.

PRODUCT SAFETY BULLETIN - CRITICAL SAFE EQUIPMENT OPERATION & MAINTENANCE REMINDER

- **Vertical UV chamber installations MUST have the required automatic air vent kit/s installed to prevent air entrapment.** Failure to observe this safety precaution could result in serious bodily injury or death from the forcible ejection of a quartz sleeve, lamp, broken glass or other material from the chamber.
- **Perform Inspections.** Whenever a sleeve bolt is removed for any reason, it should be visually inspected for internal or external discoloration, cracks or other signs of wear. In addition, whenever the unit has been isolated and depressurize by closing the inlet and outlet valves and carefully and slowly opening the drain, air bleed or equivalent valve, and the socket cover removed, visually inspect all of the sleeve bolts for cracks or other signs of wear. **Any sleeve bolt displaying visible damage must be replaced before the socket cover is attached, and the unit is re-pressurized and placed back into service. The equipment should never be operated when visibly damaged sleeve bolts are installed.**
- **Follow all recommended replacement intervals.** We have a network of fully trained, authorized service providers and parts distributors who are in a position to advise on the proper intervals and supply replacement parts.
- In many installations, Aquafine and TrojanUV units are a component of a larger integrated system. Be aware of any changes made to your systems, such as adding or removing system components-- these may alter performance conditions.

The above list is not exhaustive. Always follow the precautions in the operation manual and any applicable product bulletins or other updates, and standard operating and safety procedures for pressure vessels of this type.

GENUINE AQUAFINE PARTS

Remember to always use Genuine Aquafine Parts. Use of non-compliant parts on your Aquafine UV equipment voids all system certifications, validations and warranties, including but not limited to UL, CE, CSA, NSF, GL and DVGW.

ASSISTANCE

If you require technical assistance, have questions or comments; please contact your Authorized Aquafine Distributor.

For contacting Aquafine directly, you can reach our Customer Care Representatives or Technical Support Department at:

www.sales@aquafineuv.com

www.techsupport@aquafineuv.com