

## PRODUCT SAFETY ALERT

Issue/Date:	November 20, 2015	Bulletin Number:	AQ11182015
Subject:	Compression Nuts	Product Line:	Single Ended SCD, SCD-H and SCD-HE Product Line.
Topic:	<b>Compression Nut Safety Alert</b>		

Dear Aquafine Customers:

The purpose of this product bulletin is to warn you of possible safety related issue of using CPVC (plastic) compression nuts on single ended SCD, SCD-H & SCD-HE product lines. This product safety alert explains the consequences and steps to safely operate the Aquafine UV system.

### **Warning**

**Aquafine has been notified that some end users are using CPVC compression nuts on single ended SCD, SCD-H or SCD-HE products. The use of CPVC compression nuts on single ended or with dome ended quartz sleeve products is a SERIOUS SAFETY HAZARD that could lead to serious injury or death in the event of a compression nut failure. If you are using CPVC compression nuts on any product with single end quartz sleeve design, please replace CPVC compression nuts with stainless steel compression nuts immediately. For more information or to purchase stainless steel compression nuts please contact your local distributors or Aquafine Corporation.**

### **Problem Description**

*CPVC (plastic Compression nuts)*



CPVC (Plastic) Compression Nut

CPVC (plastic) compression nuts are not approved for use with single ended dome style quartz sleeves or single ended product designs like the Aquafine SCD, SCD-H or SCD-HE product lines. CPVC compression nuts used with a single end design can fail under pressure, leading to a potential hazard of quartz sleeve ejection which can cause **severe injury or death**.

*Stainless steel Compression nuts without Teflon coating on threads*



Stainless Steel Compression nut without Teflon coating on threads

Aquafine has manufactured some products in the past with stainless steel compression nuts having no black Teflon coating on threads. Teflon coating prevents thread seizure or galling of threads when stainless steel threads come in contact with each other. Although these products are safe to use, in an event of thread seizure or galling it becomes difficult to install



the compression nuts. To prevent thread seizure and galling, Teflon coating has been applied on the threads of the stainless steel compression nuts. If you do not have the Teflon coating visible on the threads of stainless steel compression nuts installed on your UV System, please replace the stainless steel compression nuts with the new improved stainless steel compression nuts that have black Teflon coating. **Never replace stainless steel compression nuts with CPVC (plastic) compression nuts.**

*Unauthorized modification of the UV system or usage of unauthorized or non-genuine parts*

Safety is paramount for Aquafine. Aquafine high performance UV systems are designed for the safety of the personnel working on or interacting with the UV systems. Aquafine UV systems are safe, high performance UV Systems, manufactured to safely provide years of consistent service. Any type of unauthorized modification or aftermarket parts usage on Aquafine UV systems voids performance and safety warranties, and can lead to severe damage, injury or death to the persons working on UV systems or interacting with UV systems.

### **Product Lines Affected**

SCD, SCD-H, SCD-HE

### **Solution**

Aquafine stainless steel compression nut with Teflon coating on the threads



Stainless Steel Compression nut with black Teflon Coating on the threads

### **Required Actions**

Never use CPVC compression nuts on single ended domed quartz sleeve type products. If you are using CPVC compression nuts on a single ended sleeve design replace them immediately with stainless steel compression nuts.

Aquafine has the stainless steel compression nuts with black Teflon coating on the threads to prevent galling or thread seizure. If your products already have the stainless steel compression nuts but missing Teflon coating on the threads, please replace the old stainless steel compression nuts with available new stainless steel compression nuts having black Teflon coating on the threads.

Never perform unauthorized modification on your UV system. Always follow the operation and maintenance manual and abide by the safety warnings and instructions for the safe operation of the UV system.

### **Assistance**

If you require technical assistance or have any comments, please contact your authorized Aquafine distributor. For contacting Aquafine directly, you can reach our customer care representative or technical support at:

Email: [sales@aquafineuv.com](mailto:sales@aquafineuv.com)

Email: [techsupport@aquafineuv.com](mailto:techsupport@aquafineuv.com)

We appreciate your immediate cooperation in this matter. If you have any questions, please contact us.

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