UV Sizing Checklist

CONTACT INFORMATION		
Contact:	**Company:**	**Phone:**
Address:	**Email:**	**Date:**
Project Name:	**End User:**	

APPLICATION DATA		
Treatment Objective*	O Disinfection O Ozone Reduction O TOC Reduction	O Free Chlorine Destruction O Chloramines Destruction O Other _____
Flow Rate Maximum*	_____ gpm _____ m^3/hr	
UV Transmittance (1cm, 254nm)*	O 94% (Filtered) O 99% (RO, DI)	O Other _____
Minimum UV Dose	O Std. 30 mJ/cm^2 _____ mJ/cm^2	_____ $\mu W\text{-}sec/cm^2$
Inlet/Outlet Concentration ***(TOC, Ozone, Free Chlorine, Chloramines)****	Inlet Concentration: _____ O ppb	Outlet Concentration: _____ O ppm
Supply Voltage/Frequency	O 120V/60Hz O 240V/60Hz	O 240V/50Hz O Other _____
Subject to Hot Water Sanitization	O Yes, Sanitization temp: _____ °C	O No
Fluid Type	O RO Water O City Water O DI Water	O Liquid Sugar O Waste Water O Other _____
Operating Fluid Temperature	O 5°-40°C (40°-104°F)	O Other _____
Operating Ambient (Air) Temperature	O 1°-40°C (34°-104°F)	O Other _____
Market Type	O Food & Beverage O Life Sciences	O Microelectronics O Other _____

* **Required for sizing**
o **Select one only**
☐ **Select all that apply**

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UV REACTOR OPTIONS	
Inlet/Outlet Connection	O ANSI Flanged O Sanitary (Tri-clamp® Ferrule) O Other _____
Wetted Surface Finish	O Standard Finish – Ra32 O Ultra Finish – Ra15
Gasket & O-Ring Material	O EPDM O Viton® O Other _____
Additions	☐ Wiper ☐ Validated Lamps ☐ UV Intensity Monitor ☐ Sample Ports ☐ Lamp Out Alert ☐ Light Traps ☐ 4-20 mA UV Sensor Output ☐ NIST Sensor ☐ Vertical Installation ☐ Reducers/Expanders ☐ Skid (Fixed/Modular) ☐ Bioassay/RED Validation ☐ Other _____
ELECTRICAL CONTROL PANEL OPTIONS	
Panel Rating	O NEMA 1 (IP 51) O NEMA 3R (IP 55) O NEMA 12 (IP 54) O NEMA 4X (IP 66)
Control Panel Material	O 304 Stainless Steel O Painted Carbon Steel O Other _____
Installation Mounting	O Local O Remote
ADDITIONAL COMMENTS	

FINAL SIZING RECOMMENDATIONS ARE BASED ON APPLICATION REQUIREMENTS AND MAY NOT BE AVAILABLE WITH ALL OPTIONS SHOWN. FOR MORE INFORMATION PLEASE CONTACT AQUAFINE.

Aquafine Corporation will not be held to or liable for any changes or submittals made to this form without consent and agreement of all signed parties.

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