Last updated 10/30/2023

Validated UV Systems

These UV systems have been validated using NSF/ANSI 55 Class A. **Note: this list is intended only to provide information about reactors validated by acceptable protocols; for any UV reactor selected for use in an onsite reuse system, the project must verify that the reactor is able to meet the requirements laid out in the San Francisco Department of Public Health's Rules and Regulations Regarding the Operation of Alternate Water Source Systems, such as being able to automatically divert water that does not meet treatment or water quality standards.**

For all systems below, refer to information from manufacturer about additional water quality conditions necessary for achieving the stated dose.

Company	Brand Name/Trade Name/Model	Validated Dose	Min UV Sensor Reading	Max Flow Rate (GPM)	Min UV Transmittance (UVT)
Aqua Treatment Systems	DWS-8C ASV-13.5C ASV-16C ASV-26C ASV-38C ASV-48C ASV-510C ASV-610C	40 mJ/cm^2	Manufacturer set[1]	8 12 20 50 100 130 225 265	50%
Eagle Water Treatment Systems	EWT6-40CA	40 mJ/cm^2	Manufacturer set[1]	18	Check with manufacturer
Greenway Water Technologies	GAUV-12H GAUV-20H GAUV-32H	40 mJ/cm^2	Manufacturer set[1]	9 17 27	97%
Luminor Environmental	LBH6-051A LBH6-101A LBH6-151A LBH6-251A LBH6-401A	40 mJ/cm^2	Manufacturer set[1]	2.2 4.0 5.4 7.9 13	70%[2]
Puretec	RI-17KA	40 mJ/cm^2	Manufacturer set[1]	13	Check with manufacturer
UV Pure Technologies	Hallett 15xs	40 mJ/cm^2	Manufacturer set[1]	14.6	75%

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UV Pure Technologies	Hallett 30	40 mJ/cm^2	Manufacturer set[1]	27.4	75%
Viqua	PRO10 PRO20 PRO30	40 mJ/cm^2	Manufacturer set[1]	10 20 30	70%

[1] NSF/ANSI 55 Class A validated reactors must be equipped with a UV sensor. The minimum UV sensor reading corresponding to a dose of 40 mJ/cm^2 is set by the manufacturer and cannot be modified. Control of the treatment system must include a UV reactor that has the capability to alarm and trigger a diversion or shutdown the flow if the UV sensor drops below the UV intensity corresponding to a dose of 40 mJ/cm^2

[2] Manufacturer recommends operation at or above 75% UVT for the optimal operation of a unit and to stay within warranty parameters.