

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.¹

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	40 mJ/cm ²	Manufacturer set ^a	8	50%
	ASV-13.5C			12	
	ASV-16C			20	
	ASV-26C			50	
	ASV-38C			100	
	ASV-48C			130	
	ASV-510C			225	
ASV-610C	265				
Eagle Water Treatment Systems	EWT6-40CA	40 mJ/cm ²	Manufacturer set ^a	18	Check with manufacturer
Greenway Water Technologies	GAUV-12H	40 mJ/cm ²	Manufacturer set ^a	9	97%
	GAUV-20H			17	
	GAUV-32H			27	

¹ This list is being provided solely for the convenience of the public and any interested parties. By providing this sample list of current technologies and companies, the San Francisco Public Utilities Commission does not endorse, warrant, or make representations or endorsements as to the accuracy, quality or completeness of the listed information, or the competency or effectiveness of listed technologies and companies. The City and County of San Francisco will not be responsible for any loss, damage, cost or expense the user might incur as a result of the use of, or reliance upon, the information and companies listed.

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Company	Brand Name/ Trade Name/Model	Validated Dose	Min UV Sensor Reading	Max Flow Rate (GPM)	Min UV Transmittance (UVT)
Luminor Environmental	LBH6-051A	40 mJ/cm ²	Manufacturer set ^a	2.2	70% ^b
	LBH6-101A			4.0	
	LBH6-151A			5.4	
	LBH6-251A			7.9	
	LBH6-401A			13	
Puretec	RI-17KA	40 mJ/cm ²	Manufacturer set ^a	13	Check with manufacturer
UV Pure Technologies	Hallett 15xs	40 mJ/cm ²	Manufacturer set ^a	14.6	75%
UV Pure Technologies	Hallett 30	40 mJ/cm ²	Manufacturer set ^a	27.4	75%
Viqua	PRO10	40 mJ/cm ²	Manufacturer set ^a	10	70%
	PRO20			20	
	PRO30			30	

- a. 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/cm² 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/cm²
- b. Manufacturer recommends operation at or above 75% UVT for the optimal operation of a unit and to stay within warranty parameters.