

The UV display indicates actual dose in mj/cm^2 at rated flow. To insure trouble free operation of your UVDynamics UV disinfection system it is important to ensure that your water source meets the minimum water quality parameters specified.

Failure to meet minimum water quality standards may result in excessive maintenance requirements or, in the case of UVT% below 70%, may preclude the system from reaching the minimum operating UV fluence (dose).



WATER QUALITY

Your UV disinfection system requires clean water for optimum performance. You should only operate your unit if the source water meets the following standards:

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|--------------------------|--------------------------------------|
| • Turbidity | < 1 NTU |
| • Suspended Solids | < 10 mg/L |
| • Colour | None |
| • Tannins/Other Organics | < 0.1 ppm |
| • Total Iron | < 0.3 mg/L |
| • Manganese | < 0.05 mg/L |
| • Hardness | < 7 gpg (119 g/m^3) |
| • UVT% | > 80% |

If your source water does not meet these water quality parameters, additional pre-treatment will be required. Operation of this system with water that does not meet these quality standards will increase the occurrence of nuisance alarms, and result in increased maintenance and more frequent lamp replacement. Operating the system with excessively low UVT% (ultraviolet transmission percentage) will reduce UV intensity to the point where operation of the system is not possible.