



CLAIRE Technologies

Clairify 12 - Quantum Disinfection™

Performance claims

The Clairify 12 system has been independently tested for the reduction of *Escherichia coli* (*E. coli*) bacteria from drinking waters or drinking water quality waters [ref. 1,2].

At 10 GPM water flow, the Clairify 12 system reduces, at least, 99.99% of *E.coli* of Log 6 (CFU/100 ml) out of drinking water quality waters. Please check reference 1 and 2. This reduction capacities are maintained for, at least, 200,000 gallons of water that pass through the Clairify 12 system. After 200,000 gallons, the germicide activity of the Clairify 12 system can drop from 99.99% to 99.98% or lower. Please check reference 1.

In addition to the bacteria reduction, the Clairify 12 system has been independently tested for the reduction of MS2 Phage Virus from drinking waters or drinking water quality waters [ref. 2].

At 10 GPM water flow, the Clairify 12 system reduces >99.9999% of MS2 Phage Virus of Log 6 (PFC/L) out of drinking water quality waters. Please check reference 2.

The Clairify 12 system performs, at the disinfection capacities mentioned above, only in drinking waters that have the quality define in Owner's Manual Clairify 12, Section 1. Operating Parameters., Subsection 1.1. Recommended water characteristics [ref. 3]. Please check reference 3.

The Clairify 12 system is intended to reduce microorganisms (e.g. *E. coli* & MS2 Phage Virus) only from drinking waters or drinking water quality waters.

The Clairify 12 system is not intended for the treatment of waters that are not drinking water quality, such as raw sewage or wastewater to microbiologically safe drinking water.

References:

1. Performances of Clairify12 powered by Quantum Disinfection™, Document N°1, May 2018
2. QFT Laboratory, LLC, Report #18-155, June 2018
3. Owner's Manual - Clairify 12 Quantum Disinfection™