



FILMTEC Membranes

Water Chemistry and Pretreatment: Biological Fouling Prevention

Combined Chlorine

Sanitization with agents containing combined chlorine is generally not recommended. This includes such compounds as chloramine, chloramine-T, and N-chloroisocyanurate. These compounds can also slowly damage the membrane because they release small amounts of free chlorine.

- Chloramines are made from hypochlorite and ammonia. Because they are in equilibrium, there are almost always small amounts of chlorine present.
- Chloramine-T, the sodium salt of *N*-chlorotolylamide, breaks down to hypochlorite in water
- Chlorine dioxide, generated on-site from chlorine and sodium chlorate, is always contaminated with free chlorine
- N-dichloroisocyanurate acts by constant release of small amounts of chlorine

If these compounds are present in the water, we recommend dechlorination prior to RO.

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For more information about FILMTEC membranes, call the Dow Liquid

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Notice: The use of this product in and of itself does not necessarily guarantee the removal of cysts and pathogens from water. Effective cyst and pathogen reduction is dependent on the complete system design and on the operation and maintenance of the system.

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