

In-Tank Mixing



As the water in a storage tank ages, levels of residual disinfectant can drop and the tank can stratify, allowing bacterial growth to occur and increasing public health risks. Warmer temperatures can lead to disinfectant loss and ammonia buildup, creating nitrification. Freezing temperatures can lead to ice formation and significant tank damage.

The challenge



Stratification

Thermal layers can develop in the tank, trapping older water at the top.



Water quality

Water age and loss of residual disinfectant can lead to bacterial growth.



Tank freezing

Ice formation can cause further loss of water quality and result in tank damage.

Active Mixers can prevent thermal stratification, tank freezing and a deterioration of water quality.

Keep high-quality water circulating through your tanks

In-tank mixers create a powerful vortex flow to circulate the entire volume of water throughout a storage tank, reducing nitrification, ice formation in cold climates and thermal and chemical stratification.

Getting the right mix

Analysis and design

We review your tank's current performance and degree of stratification, then specify the submersible mixing system needed.

Installation

We install motorized, in-tank water mixing to achieve the optimum top-to-bottom circulation of water in your tank.

Optimized operation

We service the in-tank water mixers we install, helping you maintain the water quality you need to comply with the Safe Drinking Water Act.

The benefits

- ✓ Improve water quality
- ✓ Reduce costs
- ✓ Prevent ice damage



The ultimate solution:

USG Water Solutions Asset Management

At USG Water Solutions, we believe you shouldn't have to choose between a capital expense that is beyond budget and an unpredictable run-to-failure approach. Our Asset Management Program packages the rehabilitation and future maintenance of your assets into a single contract, with USG Water Solutions assuming all maintenance risk for a set annual cost.

Be in the mix.

Call +1 (855) 526-4413 or visit

www.usgwater.com

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