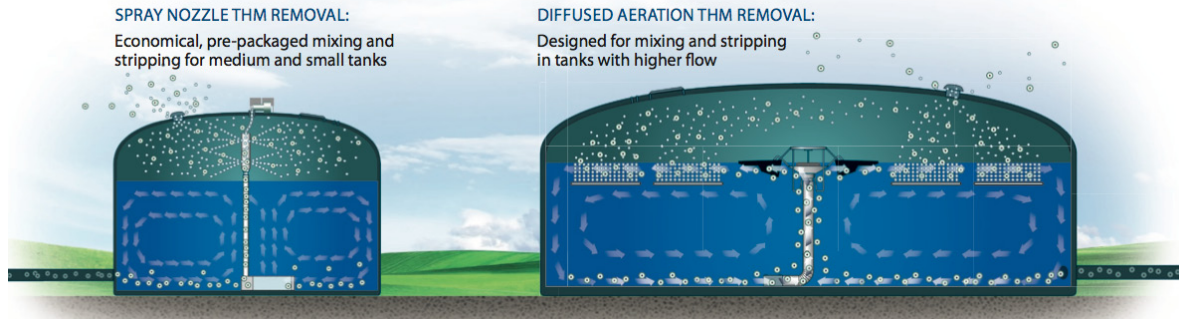


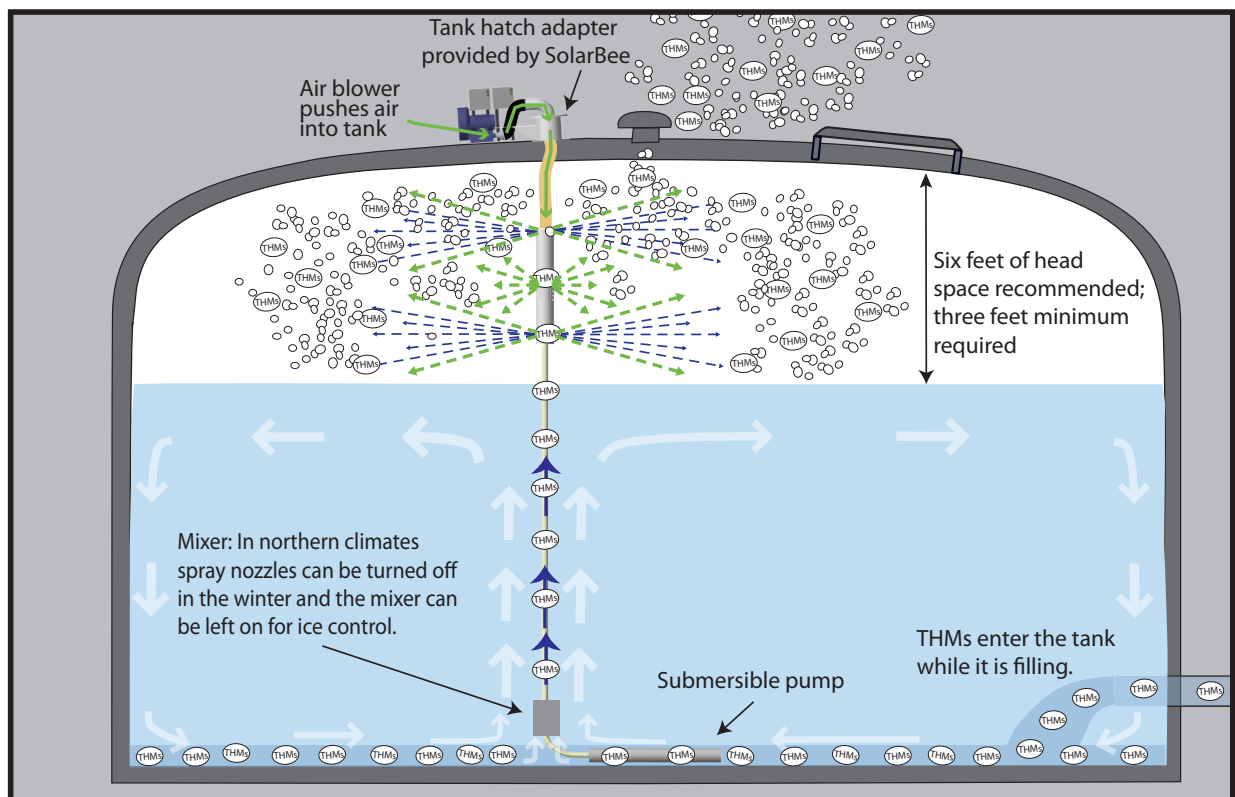
When potable water systems experience high levels of trihalomethanes (THMs), mixing alone may not lower the THM concentration enough to comply with the 80 ug/L locational running annual average limit specified in the EPA Stage 2 Disinfectants and Disinfection Byproducts Rule.



SolarBee has developed effective and economical air-stripping THM removal systems (THMRS) that work in conjunction with SolarBee mixing to strip THMs from potable water storage tanks and clearwells.

Spray Nozzle THM Removal System

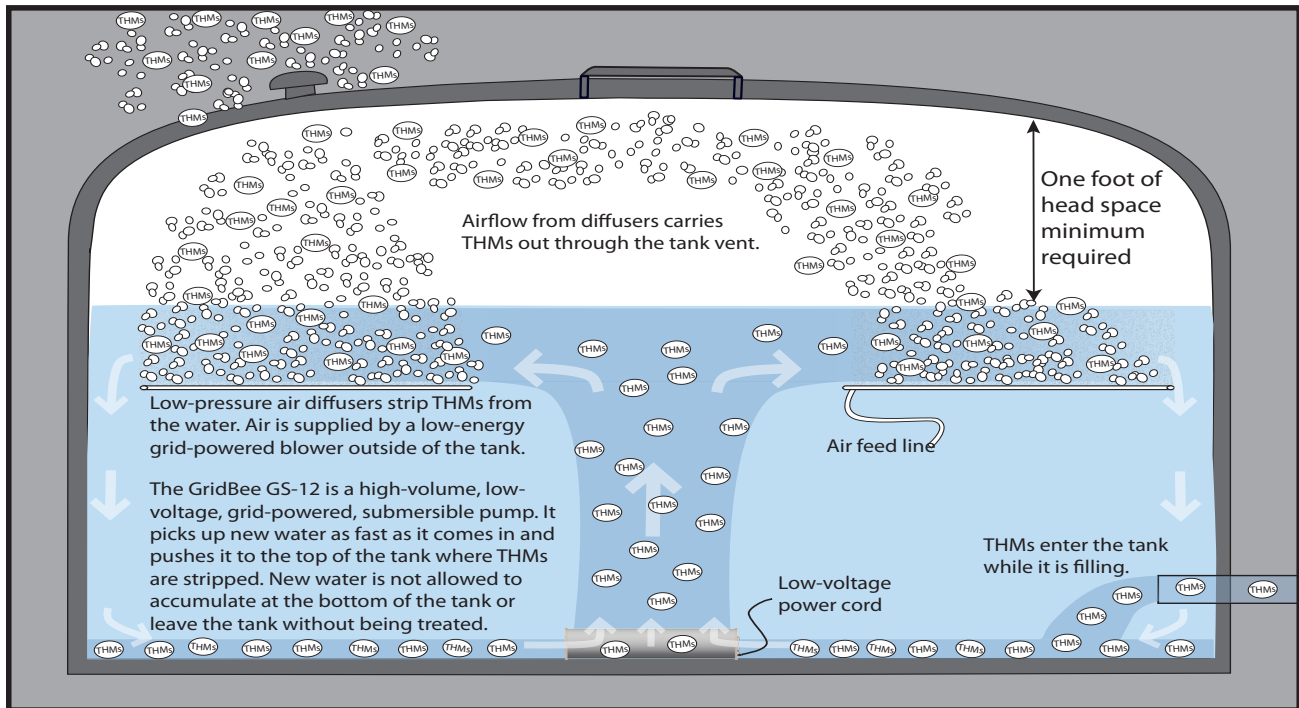
The spray nozzle THMRS is designed for small- to medium-sized tanks with enough head space to accommodate the nozzles (typically six feet or more). This system may handle tanks to 2MG depending on tank hydraulics, THM type and THM concentration, and multiple units can be installed in one tank. The cost-effective spray nozzle system is pre-packaged for customer or contractor installation with minimal infrastructure changes; typically there is no need to enter or drain the tank for installation. Each system requires electric service for a 5 hp pump and 1 hp air blower. Other than the included tank adapter installed on the tank roof, the spray nozzle THMRS is portable and can be moved from tank to tank to accommodate changing needs.



SolarBee's Spray Nozzle THMRS is pre-packaged for customer or contractor installation and includes a continuous mixing component.

Diffused Aeration THM Removal System

The diffused aeration THMRS is designed for medium- to large-sized tanks and clearwells with high flow; headspace is not an issue. Dependable floating air diffusers offer long life with little or no maintenance, and shallow diffuser depth allows use of a low-energy turbine blower resulting in very little energy consumption. This system is economical to purchase and is factory-installed with minimal infrastructure changes and without draining the tank. It is modular by design and scalable to any tank size or THM concentration. The diffused aeration THMRS is portable and can be moved from tank to tank to accommodate changing needs.



SolarBee's Diffused Aeration THMRS shown with a GridBee GS-12 submersible mixer. For even larger-flow systems, solar-powered mixers are available as shown at the top of page one (requires two feet of head space).

Features of both SolarBee THM Removal Systems

- NSF-certified pumps, motors, and plumbing
- Mixing system operates independent of THM stripping system
- In wintertime in northern climates, THM stripping system can be turned off and the mixing left on for ice control
- Accommodates all tank water depths without adjustment
- Low energy usage
- Fast, simple installation with minimal infrastructure changes; no need to drain the tank
- Scalable THM stripping system can be easily upsized or downsized
- Optional SCADA outputs available

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