

RMS™ Water Storage Management System

Patent Pending Method for Managing, Maintaining, and Controlling Water Quality

Many water system operators struggle to maintain uniform levels of chlorine throughout water storage reservoirs and ground storage tanks, encountering common problems such as thermal stratification, stagnation and blending of different water qualities.

The patent-pending RMS™ Water Storage Management System from Severn Trent Services solves chlorine-related water quality problems and reduces operational costs by managing and maintaining your system. The RMS Rover is a portable water quality management system that can easily be dropped into position within a water storage tank or reservoir location. The RMS Rover effortlessly fits into a 24" access way and can be broken into three pieces, each weighing under 25 lbs.

The RMS Rover can be used for the following applications:

- Mixing
- Mixing with provision for chemical addition from a portable trailer
- Mixing and real-time monitoring and communication of water quality
- Mixing, monitoring, communicating and adding chemicals
- Chlorination
- Blending Chloraminated water with chlorinated water
- Chloramination
- Reducing free ammonia levels in chloraminated water by boosting chlorine



The RMS system is compact and operates regardless of water levels flowing in and out of the water storage tank. Unlike conventional mixing systems, Severn Trent's technology offers cost-efficiencies through decreased power consumption, installation and service time.

Installation of an RMS is simple. It does not require plumbing changes, expensive baffles or de-watering of the water storage tank. In fact, installation can be completed while the water storage tank is still in operation.

Severn Trent developed the RMS as an economical solution to manage, maintain and control residual levels across varying municipal, commercial and industrial applications, optimizing water quality, reducing cost and energy consumption while maintaining full system capacity.