

Sanitizing HVAC Waters with Silver Ions

... generated in place, continuously, for years

What to Expect: Floating silver ion generators produce silver ions (Ag^+) for years and require no power, no maintenance and no cleaning. Trace levels of silver ions keep waters clean, sanitary and odor-free in humidifiers, evaporative coolers, cooling towers and ice storage tanks.

The Science: Any silver surface submerged in aerated water slowly oxidizes to silver oxide which dissolves, producing parts per billion concentrations of silver ions which:

- are colorless and odorless,
- do not stain materials or oxidize metals,
- are safe for people, plants and animals,
- kill 99.99% of bacteria and fungi,
- do not produce resistant strains.

The Engineering: The rate of silver ion generation is proportional to the wetted silver area. We've made Ag^+ generation 13,000 times more efficient by plating one troy ounce of silver over 5,160 in² of nylon thread surface.



<u>size</u>	<u>color</u>	<u>silver SA</u>	<u>application</u>
golf ball	blue	330 in ²	humidifier
hard ball	white	1,000 in ²	evaporative cooler
soft ball	yellow	2,000 in ²	cooling tower

The Usual Alternative: Chemical biocides administered via expensive shock feeders. (electrical power, timers, chemical feed pumps, etc.)



Founding Member