

... to make an unlimited supply of sanitizer - silver ion generation.

What to Expect: A silver ion generator which produces an almost limitless supply of silver ions (Ag^+) in water. It lasts many years; requires no power, no maintenance and no cleaning.

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:



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



The Engineering: The rate of silver ion generation is proportional to the wetted silver area, so the goal is to increase the surface area greatly. We've made Ag^+ generation 17,000 times more efficient by plating one troy ounce of silver over 5,280 in^2 of thread in a nylon cloth.

<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



silver cloth in polypropylene balls

For more information, university research papers and ordering, see:
www.probonoscience.org or www.silversanitizer.com