

SILVONIC TURBO CS GENERATOR INSTRUCTIONS

IMPORTANT: The **Silvonic Turbo Automatic Colloidal Silver Maker** switches off when it detects sufficient electrical conductivity (around 12 $\mu\text{S/ppm}$). If you use water that contains minerals, the green/red LED will shut off quickly. Check the conductivity of the water first with the EC-3 meter. Distilled water (or deionized or reverse osmosis) should read 0-3 μS (microsiemens). Subtract the starting μS from the final reading after the CS sits for an hour or so to determine strength* (NOTE: 001 $\mu\text{S} \approx 1$ ppm in CS strength, 010 $\mu\text{S} \approx 10$ ppm, etc)

The Silvonic Turbo kit contains:

- 1 Control unit with programming button that adds brewing time to increase strength.
- 1 Universal 110-240V AC power supply with 24V DC output.
- 1 Auxiliary power cable for use with 24-36 V DC (Polarity does not matter).
- 2 14" 12 gauge 99.99% pure silver rods which can make around 200 gallons of 10 ppm Colloidal Silver (CS).
- 1 EC-3 meter. Measures conductivity in microsiemens (μS symbol at right of numbers, no decimal place!)

To operate: See picture for electrode placement. Fill a glass container with up to 1 gallon of distilled water with a conductivity reading of approximately 0-3 μS about 1/2" below the top of the jar to cover as much of the electrodes as possible without touching the electrode sockets. *Do not press the program button.* Run until right LED shuts off. To restart, disconnect from power, wait 5 seconds and reconnect.

During automatic SWAP operation, the right LED light will stay green for 5 minutes, then red for 5 minutes, green for 5 minutes, and so on, showing the change in electrode polarity. Once the system detects enough silver ions, it shuts off. LED brightness indicates current flow. With very pure water, the green light may look dim at first. This SWAP mode makes the electrodes wear evenly and prevents build-up of (harmless) silver hydroxide deposits. Several hours after brewing, CS will stabilize and the meter reading may change. If you want it stronger, restart the batch.*

***Making stronger CS:** Once the process starts, you can add time to the process by briefly (less than a second) pressing the programming button. Each button press adds about 2 $\mu\text{S}/64$ oz. The yellow LED will flash and then stay on, indicating that it has accepted the programming. It stays on until the CS reaches the automatic shut-off point of around 12 $\mu\text{S/ppm}$, at which point it will flash the number of times the button was pushed. This countdown continues until shut-off. The green/red LED will still cycle. Check CS strength with meter.

Note: *Particle size matters more than ppm. Nano-particle CS with a high ratio of ions works better than stronger CS with larger particles. Instead of trying to make stronger CS, use more 5-15 ppm CS. When in doubt, take more. When you need it, you can't take too much, only too little. Meters only approximate CS strength. Do not get hung up on ppm! Nano-particle CS will have little to no color and will not discolor when exposed to light.*

Electrode care: Lightly wipe the rods clean with a cloth if you see much build-up. **Do not scrub or use a cleaner or polish.** They do not have to look shiny to work. The purer the water, the less build-up on the rods.

Direct Current (DC) Mode: To make structured water* or to make CS with "bad" water, press the button at any time for at least 5 seconds. In DC mode, the yellow LED stays off and the green/red LED stays green.

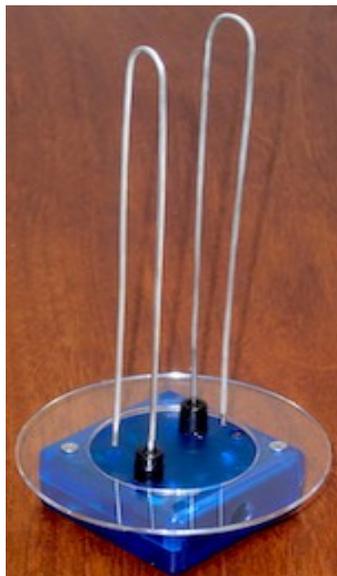
*For instructions on how to make structured water, see www.elixa.com/silver/proinst.htm

Using the Silvonic Turbo with other power sources: Connect the auxiliary power cable's clips to any source of 24-36 volts AC or DC. Polarity does not matter. You cannot hook it up wrong. For example, 3 or 4 nine volt batteries hooked together in series as in the photo below, solar panels, 2 automobile batteries, etc.

Troubleshooting: Problems usually come from using bad water (always check it with the meter to make sure it reads 000-003 μS). Store distilled water in glass, not plastic to prevent leaching.

Quick test and reset: Disconnect from power. Rotate silver rods so they touch. Keeping them in contact (you won't get a shock), connect power and watch the light. It should come on for a few seconds and shut off. If not, contact us for help before sending it back. We will repair or replace the Silvonic as necessary at no charge to you as long as it has not sustained water damage or other abuse. Note: We do not cover shipping costs.

Insert the electrodes as shown firmly with longer leg in each socket. Make them parallel to each other. Bend as needed. Do not press programming button for normal operation.



Align rods parallel.

Using the auxillary power cable: The Silvonic needs 12-36V to operate. Connecting 2-4 9V batteries together will create 18-36V. Polarity of the cable does not matter.



As shown in the photo at right, push the positive pole into the negative on one battery and the negative into the positive pole of another, etc.

Brewing time depends on the temperature and purity of the water. The colder and purer the water, the longer it takes to brew. A 1 gallon batch can take 8 hours or longer to complete. To speed up the process, heat the water (up to 100° F) in glass (not metal). Keep it warm by painting or applying dark tape to one side of the container and exposing to sun or a nearby light (eg, desk lamp).

Since it takes 3-4 hours for a gallon of cold distilled water to reach around 4-5 μ S, adding some previously made CS will eliminate several hours of brew time. Once made, you can pour off a quart of CS, add back a quart of distilled water and restart the batch. Repeat as desired. This will save time but take more work.

Color: Ideally clear to slightly yellow. Various environmental factors and contaminants can make CS turn colors. **Note: Distilled water may read 000 and still have non-conductive particles which can produce color and residue. Store distilled water in glass to avoid leaching plastic which affects CS quality. If the glass brewing jar has a build up of deposited silver, it can affect the process and produce a yellow CS even at 10 ppm. Clean the jar thoroughly and rinse with distilled water.**

Storage: Do not refrigerate, freeze, or heat above 100°F or so. CS will stay potent and stable for a long time (months) but works best when used fresh. Check the CS with the EC-3 meter to see if has retained its potency. Exposure to light will not harm properly brewed CS. Store in a non-metal container. We prefer glass, but good quality plastic works too (recyclable #1 "PETE").

For more information and videos on Colloidal Silver and other cutting-edge health techniques and tools, please visit our website at WWW.ELIXA.COM We carry Electrodes, Ointment Kits, Distillers, Nebulizers, Parasite Zappers, as well as Mind Machines for IQ, mood, sleep, and peak performance.

LIFETIME WARRANTY: Elixia will repair or replace the SILVONIC TURBO CS Generator as long as you own it. (Void if control unit or stirrer opened or damaged by water or wrong power.)

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