

# OZONE REVISITED

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**Preliminary data May 13, 1997 Copyright © 1997 Robert C. Beck**

Recent re-evaluation of ozone suggests that while it is controversial as a stand-alone therapy, O<sup>3</sup>; when directly ingested in water simultaneously with electroporation (biphasic microcurrents in arteries) provides a truly remarkable boost to total system oxygenation, ***plus natural and rapid detoxification***. Measurements show dramatic increases in blood oxygen within minutes using meters like the Nellcor® NPB-40 "Percent Oxygen Saturation Meter" {Nellcor Puritan Bennett, Inc., Pleasanton, CA 94599, 1-800-NELLCOR}. Many different "Ozonizers sold at health expos for *prices up to \$4700* are large heavy suitcases, must plug into AC, and almost universally use vastly inferior *Ultra-Violet* systems and bottled oxygen instead of the preferred high-voltage cold-corona utilizing *air* for ozone production. Described here is a superior design producing faster, more concentrated O<sup>3</sup>; than other available home units. It is a very portable three-way, stand-alone system. You can choose to utilize either internal battery power, or AC plug-in, or car lighter powered input. It can be put together by anyone for a fraction of the cost of top-of-the-line ozonizers. A second cheaper but slower do-it-yourself design using AC power only is also shown here. It uses inexpensive parts for the budget-minded but still works superbly. O<sup>3</sup>; unlike other forms of oxygen carries *negative* electrical charges that specifically counteract free radical damages, scavenge crosslinking and re-charge depleted cells. Ionic silver colloids also greatly assist this "rejuvenation" process by restoring free electrons.

O<sup>3</sup> rapidly converts (oxidizes) all known toxins and wastes long present in your body cells to H<sub>2</sub>O and CO<sub>2</sub> which flush out easily and rapidly without utilizing colonics, lymph, spleen, liver, or kidney detoxing or any other treatments.

**BUILDING A COMPACT, LINE-DEPENDENT AC/DC LOW COST  
POWERFUL OZONE GENERATOR USING AIR AND NOT REQUIRING  
EXPENSIVE BOTTLED OXYGEN**

**Connect together in this order**

1- 12.6 V-1.2 Ampere-hour rechargeable lead-acid gel-cell battery (~1-½ hr./charge)	\$ 16.50
1- In-line fuse holder (EM brand GMA 18 Ga.)	2.49
1- 5- 8 Amp short fuses; Female spade .187, 18-22 GA battery connectors <i>Action Electronics, 1300 E. Edinger Ave., Santa Ana, CA 92705 (714) 547-5169</i>	3.15
1- Connector set, cigarette lighter male plug and female jack.	2.50
1- 12V dc to 110V ac inverter ( <i>NOTE</i> power brand, model #PW-50) <i>Mar Vac Electronics, 2001 Harbor, Costa Mesa, CA 92627 (714) 645-6448</i>	71.95
1- AC adapter to triple outlet (Drugstore)	~2.00
1- Aquarium aerification pump (Schego Optimal 5 W 250 liter/hour membrane) <i>Strictly Fish, 12227 Harbor Blvd., Garden Grove, CA (714) 750-7151</i>	35.00
1- German Sander brand model 200 fish tank ozonizer, adjustable 0-200 mg O <sup>3</sup> <i>TIS Tropical Fish, 16175 Brookhurst, Fountain Valley, CA (714) 839-1740</i>	389.00
1- 25ft. flexible plastic airline tubing ¼" OD cat. #14507	3.89
1- Check Valve (prevents water from back-siphoning into ozonizer)	2.19
1- Airstone (glass bead or ceramic - not plastic) Fine bubbles, Kordon #62503	2.49
1- (Optional) Spring-wound timer, 0-60 min. or SPST. switch ( <i>Fry's Electronics</i> ) Switch cuts off system at selected time. Wire between battery and inverter	12.00

You may need a plastic, leather, or canvas bag or other small carrying case.

**Total: Retail price for currently preferred system: (Only \$324.00 wholesale.)** **\$ 540.50**

A less expensive but excellent system is described next. It plugs into 115V AC, uses less powerful and fewer parts, is somewhat slower, but produces the highest quality ozone from ambient air or bottled oxygen.

1- Sander model 25 hi-voltage cold-corona aquarium ozonizer.	\$ 169.99
1- Whisper #500 aquarium air pump; Silaflex II (not rubber) diaphragm & valves. <i>Fishland, 13079 Harbor Blvd., Garden Grove, CA 92643</i>	26.99
Misc., plastic tubing, check valve, fine bubble stone, extension cord, etc.	8.60

**Total: Retail cost for complete system. (Only \$123.35 Wholesale)** **\$ 205.58**

List prices: Sander Ozonizers 25 mg-\$169.99; 50 mg-\$189.99; 100 mg-\$244.99; and 200 mg (most powerful "portable") for \$389.00

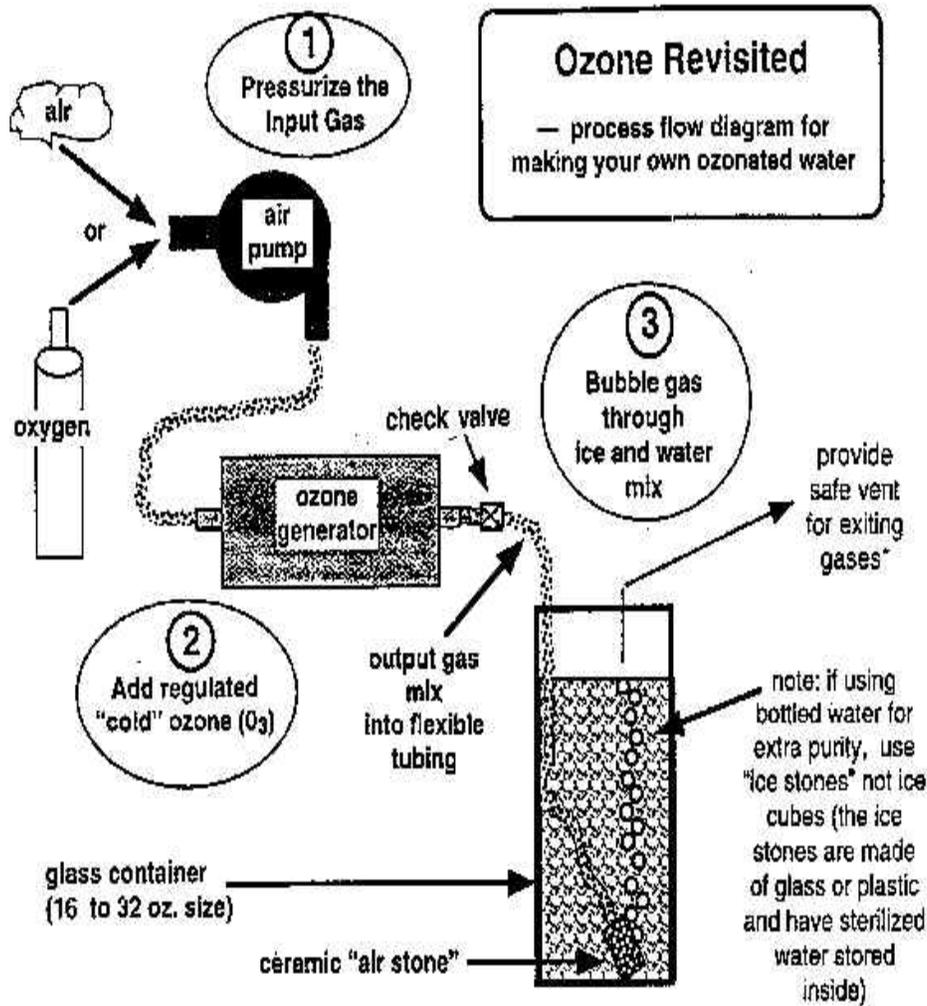
Purchase the strongest corona unit you can afford. Avoid cheaper, weaker Ultra-Violet types.

**Note:** Nitrogen by-products, oxides and acids produced with *air* and *cold corona* discharge have been tested and found negligible and harmless in ozonized drinking water. But *hot arcing* produces unwanted byproducts using air; pure oxygen does not. So to be safe start with *bottled* oxygen and pure water only if making O<sup>3</sup>; intended for inter-muscular injection, insufflation, direct blood infusions, or with heparin for auto-dialysis (bubbling blood in a vessel for re-injection or "autohemotherapy"). "Medical" & "industrial" (welding) oxygen are *identical* and come from the same tanks at suppliers who charge more by pretending that "medical-grade" oxygen is somehow "different". Ambient air works well for drinkable O<sup>3</sup>; The colder and purer your water and the deeper the container for greater pressure plus the smaller the volume of H<sub>2</sub>O being bubbled, the most ozone dissolves faster and the longer it lasts. Ideal bubblers are ~3" dia. X 2-½ ft. high Teflon or Polypropylene tubes with airstone at very bottom. Tall, thin plastic bottles work almost as well but their greater content takes a little longer for saturation. Non-reactive Pyrex containers are better.

**To use:** submerge airstone to *bottom* and "bubble" ~10 OZ containers of ½ ice + ½ cold tap water for ~5 minutes with the inexpensive design or ~2 min. with the more powerful 200 mg ozonizer. Charge *cold* water in a large bottle for ~25 min. Drink immediately since O<sup>3</sup>; without stabilizers even in ice water has a half-life of about 20 minutes so retains full potency for only a short time. Benefits start in minutes and are far superior to many other expensive products claimed to provide "bound" oxygen (chlorites; ClO<sub>5</sub>) or proprietary "Vitamin O" stabilized oxygen boosters. Ozone cannot be stored which is why everyone needs his own generator to make O<sup>3</sup>; immediately before using for the best possible results.

*Never breathe ozone or ozonized air as it damages (oxidizes)  
lung tissue even in small quantities.*

**Bob Beck**



**4 Finally, set process timer**  
(controls  $O_3$  bubbling time, as from 2 to 5 minutes.. see text for details)

➔ **Note: always drink or use ozonated water within 20 minutes after making.**

**\*Caution: do not breath in ozonated gas... (the chemical activation that gives it power to cleanse is too strong for lung tissue and can easily cause damage)**