

Bob Beck's Legacy

HOW TO BUILD YOUR OWN WATER OZONATOR

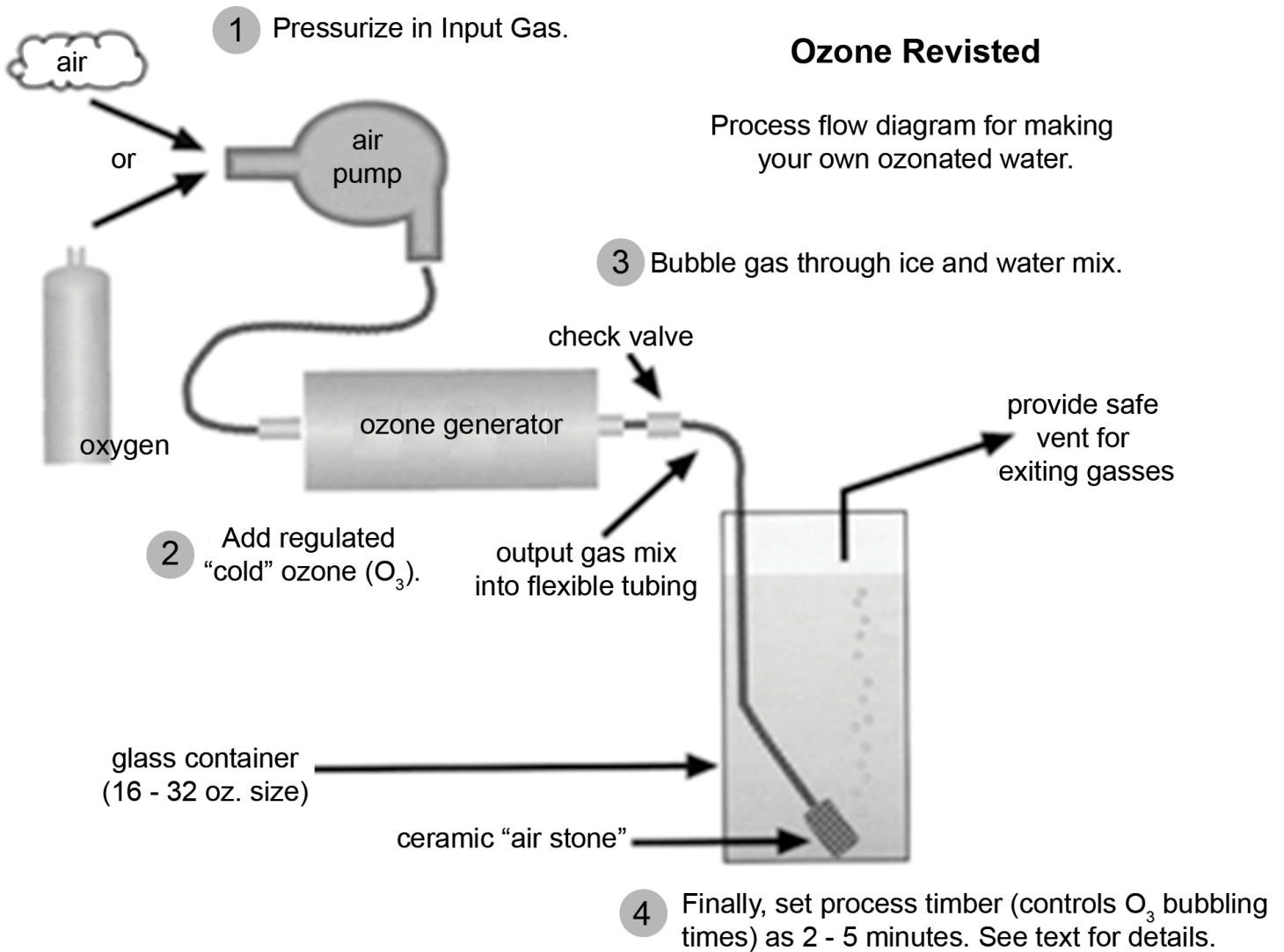


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Schematic - Parts List

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| 1 | 12.6 V-1.2 Ampere-hour rechargeable lead-acid gel-cell battery (~1 – ½ hour charge) |
| 1 | In-line fuse holder |
| 1 | 5-8 Amp short fuses; female spade .187 18-22 GA battery connectors |
| 1 | Connector set, cigarette lighter - male plug and female jack |
| 1 | 12 V dc to 110V ac inverter (NOTE power brand, model #PW-50) |
| 1 | AC adaptor to triple outlet (Drugstore) |
| 1 | Aquarium aerification pump (Schego Optimal 5 W 250 liter/hour membrane) |
| 1 | German Sander brand model 200 fish tank Ozonizer, adjustable 0-200 mg O ₃ |
| 1 | 25 ft. flexible plastic airline tubing OD cat#14507 |
| 1 | Check Valve (prevents water from back siphoning into ozonizer) |
| 1 | Airstone (glass bead or ceramic-not plastic) Fine bubbles, Kordon #62503 |
| 1 | Jack for silver wire leads (2.5mm or 3/32" mono-phone jack) |
| 1 | Optional: Spring-wound timer, 0-60 min. or SPST. Switch Fry's Electronics Switch cuts off system at selected time. Wire between battery and inverter. You may need a plastic, leather, or canvas camera bag or other small carrying case. |

For all components listed above, check your local electronics and pet supply stores. If a part is not available, they may have a suitable replacement.

[Editor's note: Bob Beck recommended the Water O₃zonator produced by SOTA Instruments Inc. as he believed it was the best one on the market using cold corona and ambient air. It also sells for much less than the parts above. SOTA offers a complete system with a built-in air pump. The Water O₃zonator is a powerful unit and all parts are ozone resistant.]