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## Sourcing Oxygen for Your Medical Ozone Generator



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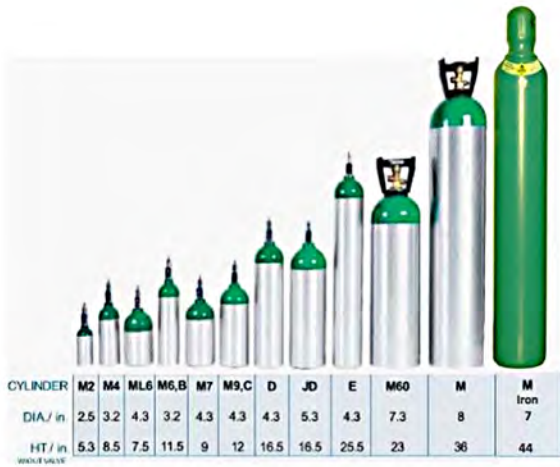
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## Oxygen Requirements for Medical Ozone Generators

To operate your medical ozone generator effectively, you'll need a high-purity oxygen source. High-purity oxygen ensures your equipment functions properly and prevents impurities from entering or leaving the medical ozone generator and its accessories. Alongside the oxygen source, a low-flow regulator capable of delivering oxygen flow rates from 1/2 LPM down to 1/16 LPM is essential for optimal ozone therapy.





## Oxygen Sources: 870 vs. 540 Tanks

### 870 Oxygen Tanks

870 oxygen tanks, which require a prescription or practitioner's license, provide USP pharmaceutical grade oxygen with over 99% purity. This makes them an excellent choice for your medical ozone generator. To use an 870 tank, you'll need a CGA 870 flow regulator. Given recent changes in tank designs, we recommend opting for a higher-quality regulator which fits both old and new tanks.

These tanks come in various sizes. The largest, E-size cylinders, last the longest, while D-size cylinders are ideal for dental carts. Smaller C-size tanks are also available. Our Gozone cart is designed to fit an E tank for easy transport.





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## Important Note About 870 Tanks

Not all suppliers will fill a tank you bring in, so you may need to use one provided by the supplier. Verify this with your local supplier before purchasing an outside tank. Regeno3one Vet does not sell oxygen tanks.

If you have access to an H-size tank, you might consider transferring oxygen into your own tanks, allowing you to be less dependent on suppliers during unexpected shortages.



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## Industrial Oxygen Tanks

If you cannot obtain a prescription, industrial oxygen is a suitable alternative. For these tanks, a CGA 540 oxygen tank regulator is required in North America, with other options available for international users.

To find a local supplier, search online for "oxygen supplier near me," "industrial oxygen supplier near me," or "industrial welding oxygen vendor." Welding shops are often the easiest to locate. Check with the supplier to see if they will fill an outside tank or if you need to use or lease one of theirs. Some suppliers will swap your empty tank for a filled one, while others may return your specific tank upon request.

For home use with a medical ozone generator, most people opt for a 20 or 40 cubic-foot tank. A 20 cubic-foot tank generally lasts 2-3 months, while a 40 cubic-foot tank lasts twice as long. Though there's only a small price difference, it's more economical in the long run to get a larger tank.





## **Important Note About Scuba Tanks:**

Scuba tanks are not suitable for use with medical ozone generators as they typically contain compressed air, not oxygen.

## **Purchasing Oxygen from a Welding Shop**

If purchasing from a welding shop, do not mention you need the oxygen for health-related purposes, as they may not sell it to you. Instead, mention you need it for welding, jewelry making, metal art sculptures, or aquariums use an oxygen-fed ozone generator. No license is required for industrial oxygen.

## **Purity of Industrial Oxygen**

Both welding oxygen and 870 oxygen are considered USP (pharmaceutical) grade, as suppliers typically use the same quality gas for both. However, welding tanks do not come with the paperwork or certification that 870 tanks do. If you're concerned about purity, consider using an oxygen or ozone line filter to remove contaminants larger than 0.2 microns.

## **Conclusion**

Sourcing oxygen for your medical ozone generator may seem daunting, but with the information provided here, the process should be much more manageable. Don't let the challenge of finding oxygen discourage you from using your medical ozone generator.