

AEROUS₂

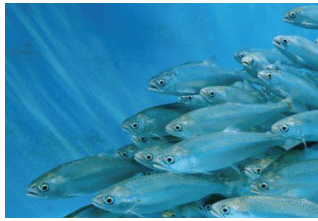
RELIABLE ON-SITE OXYGEN



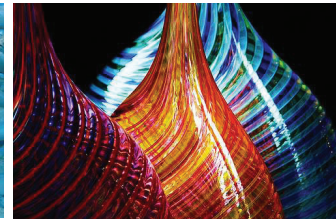
VETERINARY



WASTE WATER



AQUACULTURE



GLASS & JEWELRY MAKING



HYDROPONICS



AEROUS-15 Oxygen Concentrator

Applications

- Ozone generation
- Cutting, brazing & welding
- Glass blowing
- Hydroponics
- Industrial gas supplies
- Jewelry making
- Muffler shops
- Aquaculture
- Odor control
- Veterinary
- Waste water treatment

Corona Discharge Ozone Generators

The AEROUS™ oxygen concentrator produces 93% oxygen at -80°F dew point. Clean dry oxygen has several key benefits when producing corona discharge ozone. By using 93% O₂ as opposed to 21%, the percent weight of ozone gas generated is double to triple, depending on product design. This translates to higher solubility and less gas to dissolve in water.

The effects of having dry feed gas are extremely beneficial as well. The ozone generator will not produce nitric acid and will keep the reaction chamber(s) clean and producing a consistent output. Maintenance is reduced and reliability is increased.

Providing Clean Oxygen on Demand, Quietly and Reliably

The AEROUS™ oxygen concentrators are designed for commercial applications that require high levels of oxygen - up to 95%. The oxygen is created on-site via the pressure swing adsorption (PSA) process. Oxygen concentrators can provide a constant flow of oxygen without storage or handling of oxygen cylinders, making them the perfect choice for many applications.

The AEROUS™ system separates oxygen, nitrogen, and other trace elements from the air. As the air is pressurized through the system, via an on-board oil-less compressor, molecular sieve beds adsorb the nitrogen; concentrating and supplying the oxygen gas to use. The nitrogen and moisture are depressurized through the systems waste stream.

The AEROUS™ system is quiet, reliable, user servicable, and eco-friendly.

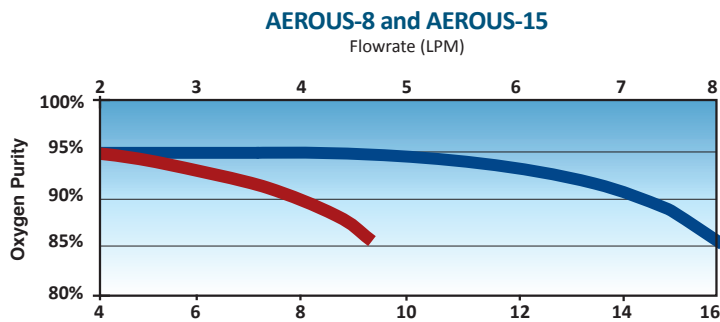
Key Features of the AEROUS™ system

- **Lowest sound level of any commercial oxygen concentrator** - Very quiet.
- **Compact** - Takes very little space, reducing necessary footprint
- **Gas flow meter** - Quick reference to visually check operation
- **External air filters** - No need to remove any covers to service filters
- **Easy to service** - All components including sieve beds are serviceable and readily accessible
- **Produces -80°F dew point feed gas** - Keeps equipment clean and dry for years lowering maintenance and increasing efficiency
- **Generated on-site** - Oxygen on demand, no transportation, lowering your carbon footprint

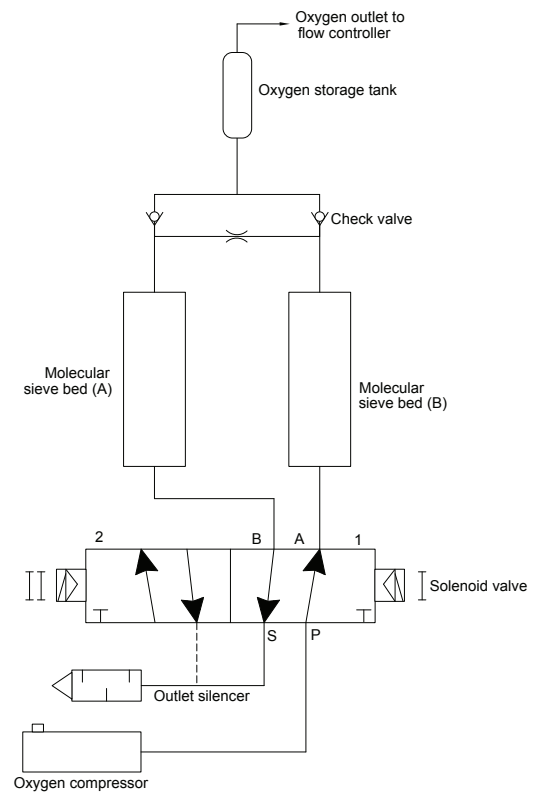


SPECIFICATIONS

	AEROUS-8	AEROUS-15
Oxygen Output	8 SCFH (4 LPM) @ 10 PSIG	15 SCFH (7 LPM) @ 10 PSIG
Oxygen Purity	93% + / - 3%	93% + / - 3%
Sound Level	50 dB(A)	50 dB(A)
Dimensions	19.75" h x 11.89" w x 13.75" d (501 x 302 x 350mm)	20.50" h x 12.64" w x 15.10" d (521 x 321 x 384mm)
Weight	68 lbs (31 kg)	75 lbs (34 kg)
Power Requirements	120VAC 60 HZ, 3.0 AMP, 1 Phase 220-240VAC 50/60 HZ, 1.6 AMP, 1 Phase	120VAC 60 HZ, 3.8 AMP, 1 Phase 220-240VAC 50/60 HZ, 2.1 AMP, 1 Phase
Operating Conditions	- Specifications listed are based on the following atmospheric operating conditions: temperature -22°F to 104°F (-30°C to 40°C), Relative humidity < 85% - System must be adequately ventilated	
Regulatory	CE, RoHS	



System Pneumatic Diagram



AEROUS₂

Reliable On-Site Oxygen

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TECHNOLOGY