



SOLARI INDUSTRIAL OXYGEN CONCENTRATORS

Reliable Oxygen for Advanced Water Treatment

Powered by Acniti technology.



Solari Industrial Oxygen Concentrators use proven pressure swing adsorption technology to produce a continuous supply of concentrated oxygen from ambient air. Engineered for demanding industrial environments, these robust systems provide dependable oxygen delivery for aquaculture, water treatment, nanobubble generation and other non-medical applications. Available in 5 and 8 LPM models, they offer practical installation, straightforward operation and reliable ongoing performance.

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Solari OXYGEN CONCENTRATORS

Rugged PSA Oxygen Generation for Industrial Applications

HOW SOLARI OXYGEN CONCENTRATORS WORK

Solari Industrial Oxygen Concentrators use pressure swing adsorption technology to separate oxygen from the surrounding air. Ambient air is compressed, dried and directed through molecular sieves that retain nitrogen while allowing concentrated oxygen to pass through.

The two sieve chambers alternate continuously, providing a reliable supply of 87-96% oxygen for water treatment, aquaculture, nanobubble generation and other industrial applications.

KEY BENEFITS

- Produces concentrated oxygen from ambient air
- Delivers oxygen purity of 87-96%
- Available in 5 and 8 LPM models
- Microprocessor-controlled operation
- Rugged aluminium construction
- High-quality Japanese components
- Large, washable air-inlet filters
- Straightforward installation and maintenance

BUILT FOR INDUSTRIAL ENVIRONMENTS

Unlike concentrators developed primarily for domestic healthcare settings, these systems are engineered for sustained operation in demanding industrial applications. Their robust aluminium enclosures protect the internal components, while effective air drying helps protect the molecular sieves from moisture and supports reliable long-term performance.

Standardised components, accessible filtration and practical controls simplify routine inspection, cleaning and maintenance.

VERSATILE OXYGEN SUPPLY

Solari Industrial Oxygen Concentrators provide a practical oxygen source for:

- Aquaculture and fish farming
- Water treatment and aeration
- Nanobubble generation systems
- Ozone generation systems
- Agricultural water applications
- Industrial and laboratory processes

IMPORTANT

Designed exclusively for industrial, laboratory and research applications.
Not intended for medical use or patient care.





SOLARI INDUSTRIAL OXYGEN CONCENTRATORS

Industrial PSA Oxygen Generators 5 LPM AND 8 LPM — 230 V MODELS

Two industrial oxygen capacities built on the same rugged PSA platform. The 5 LPM model supports lower-flow applications, while the 8 LPM model provides increased oxygen flow and substantially higher operating pressure for more demanding treatment requirements.

OXYGEN PERFORMANCE

5 LPM MODEL

8 LPM MODEL

Model reference	OXITI-05-230	OXITI-08-230
Technology	Pressure Swing Adsorption	Pressure Swing Adsorption
Oxygen flow	1–5 L/min	2–8 L/min
Oxygen production	60–300 L/h	120–480 L/h
Operating pressure	5 kPa	35 kPa
Oxygen purity	87–96%	87–96%
Oxygen source	Ambient air	Ambient air

ELECTRICAL AND OPERATING CONDITIONS

5 LPM MODEL

8 LPM MODEL

Electrical supply	1 Ø 230 VAC, 50 or 60 Hz	1 Ø 230 VAC, 50 or 60 Hz
Power consumption	495 W at 50 Hz 640 W at 60 Hz	550 W
Operating temperature	10–40°C	10–40°C
Relative humidity	15–95%	15–95%
Gas connection	10 mm push-to-connect 3/8-inch on request	10 mm push-to-connect 3/8-inch on request

DIMENSIONS AND SHIPPING

5 LPM MODEL

8 LPM MODEL

Unit dimensions (W × D × H)	480 × 460 × 690 mm	480 × 460 × 690 mm
Unit weight	27 kg	27 kg
Shipping dimensions	530 × 520 × 700 mm	530 × 520 × 700 mm
Shipping weight	30 kg	30 kg



CHOOSING THE RIGHT OXYGEN CONCENTRATOR

Oxygen flow is only one part of selecting the right system.

Operating pressure, connected treatment equipment, electrical requirements and site conditions can all affect suitability.

Solari can help assess your application and determine whether the 5 LPM or 8 LPM industrial oxygen concentrator is the appropriate fit for your process.

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