



Solari Booster Oxygen Concentrators

High-Pressure Oxygen for Industrial Water Applications



Solari Booster Oxygen Concentrators combine proven PSA technology with integrated pressure boosting to deliver concentrated oxygen at higher operating pressures. Available in 5 and 8 LPM configurations, Mini Booster and Booster models provide reliable oxygen supply for aquaculture, water treatment, nanobubble generation and other industrial applications.

Solari BOOSTER OXYGEN concentrators

High-Pressure PSA Oxygen
Generation for Industrial Applications

HOW THE BOOSTER RANGE WORKS

Solari Booster Oxygen Concentrators use pressure swing adsorption technology to separate oxygen from ambient air. The concentrated oxygen is then delivered through an integrated boosting system, providing the higher operating pressure required by demanding industrial applications. Mini Booster models deliver up to 140 kPa, while Booster models deliver up to 400 kPa. Both are designed for continuous operation and are available in 5 and 8 LPM configurations.

KEY BENEFITS

- Continuous concentrated oxygen supply
- Integrated pressure boosting
- Mini Booster pressure up to 140 kPa
- Booster pressure up to 400 kPa
- Available in 5 and 8 LPM models
- Oxygen concentration of 87-96%
- Designed for continuous industrial operation
- Integrated PLC control & high quality aluminium construction

BUILT FOR HIGHER-PRESSURE APPLICATIONS

The integrated design combines oxygen generation and pressure boosting within a compact industrial system. This removes the need to coordinate separate oxygen and booster units while providing dependable oxygen delivery at the pressure required by the selected application.

VERSATILE INDUSTRIAL OXYGEN SUPPLY

Suitable applications include:

- 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.

Powered by Acniti technology.



BUILT FOR DEMANDING HIGH-PRESSURE APPLICATIONS

Solari Booster Oxygen Concentrators are designed for industrial processes requiring a dependable supply of concentrated oxygen at consistent flow and elevated pressure. Combining PSA oxygen generation with integrated pressure boosting, the range supports continuous operation across water treatment, aquaculture and other demanding applications.

QUALITY COMPONENTS

The Booster range incorporates carefully selected, high-quality components engineered to support reliable performance in demanding industrial environments. Its robust construction provides dependable continuous oxygen generation and consistent delivery at higher operating pressures.

EXPANDABLE OXYGEN SUPPLY

For applications requiring increased oxygen volume, selected Booster systems can be configured with two or three additional standard oxygen concentrators.

This expandable arrangement increases the available oxygen flow while retaining the higher delivery pressure provided by the Booster system. Additional concentrators must be specified when ordering so the system can be configured for the intended application.

DESIGNED TO WORK AGAINST WATER PRESSURE

Introducing oxygen into a circulating water system requires the oxygen supply pressure to overcome the pressure within the pipework.

Mini Booster models provide continuous oxygen delivery at pressures up to 140 kPa, while Booster models deliver up to 400 kPa. This makes the range suitable for processes requiring oxygen to be introduced into pressurised water, including aquaculture, water treatment and nanobubble generation systems.



Integrated oxygen generation and pressure boosting

A complete Booster system combines a PSA oxygen concentrator with dedicated pressure-boosting equipment to provide consistent oxygen flow at the pressure required by the application.



Solari BOOSTER OXYGEN concentrators

HIGH-PRESSURE PSA OXYGEN GENERATION MINI BOOSTER & BOOSTER 230V MODEL SPECIFICATIONS

Compare the four 230V Mini Booster and Booster models to select the required combination of oxygen flow and operating pressure. Available in 5 and 8 LPM configurations, the range supports continuous industrial oxygen delivery at pressures up to 400 kPa.

GENERAL	5 LPM MINI BOOSTER	8 LPM MINI BOOSTER	5 LPM BOOSTER	8 LPM BOOSTER
Model number	OXITI-05-mini-booster-230V	OXITI-08-mini-booster-230V	OXITI-05-booster-230V	OXITI-08-booster-230V

OPERATING ENVIRONMENT

Ambient temperature	10–40°C 50–104°F			
Relative humidity	15–95%			

OXYGEN OUTPUT

Flow per minute	1–5 LPM	2–8 LPM	1–5 LPM	2–8 LPM
Flow per hour	60–300 L/h	120–480 L/h	60–300 L/h	120–480 L/h
Operating pressure	35–140 kPa	35–140 kPa	35–400 kPa	35–400 kPa
Operating pressure (imperial)	5–20 psi	5–20 psi	5–58 psi	5–58 psi
Oxygen concentration	87–96% oxygen			
Feed gas	Ambient air			

ELECTRICAL AND CONNECTION

Power supply	Single-phase 230 VAC 50 or 60 Hz			
Power consumption	620 W (50 Hz) 765 W (60 Hz)	620 W (50 Hz) 765 W (60 Hz)	900 W	650 W
Gas Connection	10 mm push-to-connect fitting 3/8-inch available on request			

DIMENSIONS AND SHIPPING

Unit dimensions (W × D × H)	480 × 460 × 690 mm 18.9 × 18.1 × 27.2 in			
Unit weight	30 kg	30 kg	36 kg	36 kg
Shipping dimensions (W × D × H)	530 × 520 × 700 mm 21 × 20 × 28 in			
Shipping weight	33 kg	33 kg	39 kg	39 kg
HS code	8421.39			

OPERATING NOTES

Duty	Designed for continuous 24/7 industrial operation			
Controller	Smart PLC controller for process automation			
Recommended use	Industrial, laboratory and research applications only — not for medical use			



RELIABLE OXYGEN. THE RIGHT PRESSURE. THE RIGHT SOLUTION.

Contact Solari Water & Energy to discuss your oxygen flow, operating pressure and application requirements. Our team can help identify the appropriate Mini Booster or Booster configuration for your aquaculture, water-treatment or industrial system.

CONTACT US

+61 7 3118 5927

10 Jaguar Street,
Chermside West QLD 4032

info@solarewater.com.au
www.solarewater.com.au

