→ Datasheet

OZORA® oxygen recovery unit. Bringing ozone production to new efficiency levels.

Illustration of OZORA's adsorption and desorption process.

Why waste 60% of oxygen when you can recover it?

During the ozone generation process, only a small part of the oxygen is converted to ozone. The remaining unconverted oxygen is ultimately vented. With OZORA®, you can recycle and reuse unconverted oxygen before it escapes. OZORA takes the oxygen/ozone mix from the ozone generator and separates the oxygen from the ozone. The oxygen is fed back into the generator while the ozone is mixed with dry air and then exits the production process to the target application.

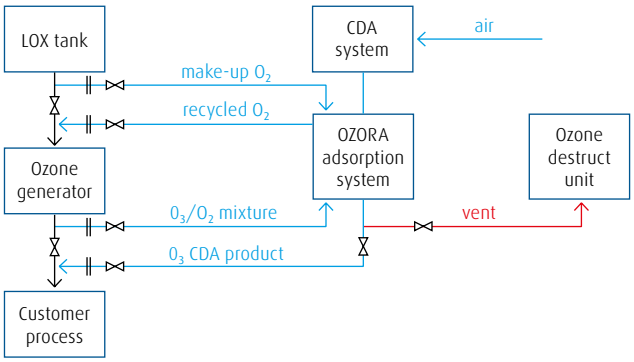
Our patented solution reduces oxygen consumption by up to 60%. It therefore considerably reduces your operating costs and brings your ozone production to new efficiency levels.

Benefits at a glance

- Patented design with the ability to reduce O_2 consumption up to 60%
- Savings of 20%+ in total ozone system operational costs
- Seamless installation and integration with new or existing ozone generators
- No change in outlet flow
- Maintains purity of O_2 recycled back to the ozone generator
- Maintains the same ozone concentration as the ozone generator's
- Reliable operation
- Easily bypassed if needed, without interrupting ozone production
- Available in standard and custom sizes

Integration with the ozone generator

Operational mode: → Normal O_3 gen/OZORA offline → Normal OZORA → Emergency OZORA



Who can benefit from OZORA?

- Water and wastewater treatment plants
- Pulp and paper (bleaching)
- Other industrial, large-scale ozone applications
- Best suited to ozone production levels above 30 kg/h

Technical characteristics

OZORA 6 Series

Capacity	60 kg/h (132 lbs/h)
Power	20 kW
Ozone concentration	6 to 15 wt%
Oxygen supply	Bulk or on-site
Pressure	1.0 to 1.9 barg
Electrical	480 V/ 50 or 60 Hz, 3 ph, 40 A
Weight	OZORA skid: 5,450 kg (12,015 lbs) Blower: 550 kg (1,212 lbs) Dryer: 612 kg (1,349 lbs)
Footprint	OZORA skid: 8.3 m x 2.5 m (27.2 ft x 8.2 ft) Blower: 1.7 m x 0.7 m (5.6 ft x 2.3 ft) Dryer: 0.97 m x 1.4 m (3.2 ft x 4.6 ft)
Height	OZORA skid: 2.9 m (9.5 ft) Blower: 1.3 m (4.3 ft) Dryer: 1.9 m (6.2 ft)
Blower	Positive displacement oxygen compatible
Valves	High cycle butterfly; ozone compatible

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