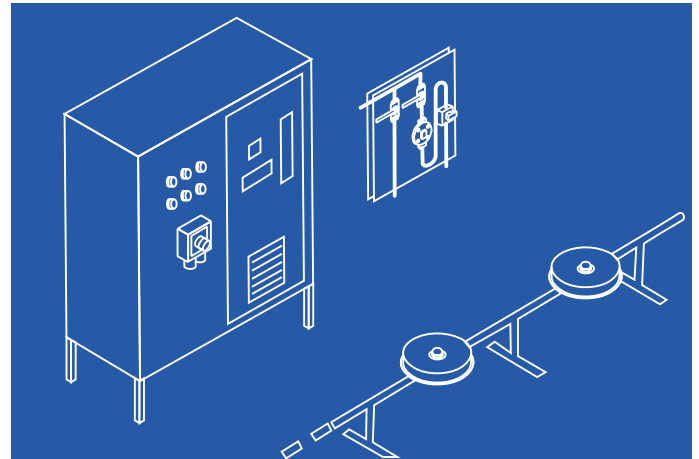


# OZONE INJECTION SYSTEM

- Power efficiency
- Small footprint
- Low maintenance
- Safe operation



## The Concept

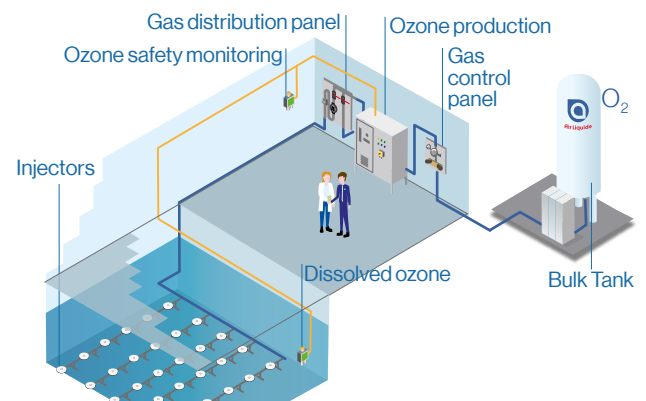
A flexible equipment designed by Air Liquide, the **OZONE INJECTION SYSTEM** is well suited to produce and dissolve ozone into water. It encompasses one gas control panel and one gas distribution panel along with an ozone injection and safety control system. On request, we include a pure-oxygen-fed ozone generator or integrate yours into the equipment.

## Applicable Industries

The **OZONE INJECTION SYSTEM** is primarily used for purification of surface water to produce drinking water. Pure-oxygen-fed ozone generators require a reduced footprint without any rotating parts (air compressor) and no pollution risk (air treatment). Maintenance is easier and lifetime is increased. Additionally, pure-oxygen-fed ozone generators are 10% less power intensive as air-fed generators.

**OZONE INJECTION SYSTEM** is adapted to drinking water plants.

## Special Features



An **OZONE INJECTION SYSTEM** is typically part of the following installation:

- A liquid-O<sub>2</sub> storage tank with filling/withdrawal lines and necessary instrumentation for safe operation.
- A vaporizer to vaporize the liquid O<sub>2</sub> to gaseous state.
- A gas control panel mounted in the gas pipeline after vaporization to feed the ozone generator which can be cooled down using the cooling power of the liquid-O<sub>2</sub> vaporization, thus saving the usage of cooling water.
- A gas distribution panel with the proper amount of gas at the appropriated pressure to feed the ozone injectors in the ozonation chamber.
- An ozone gas detector to control safety in the ozone production area.

- A dissolved ozone sensor to control the process in the ozonation chamber.

Our experts supervise the dimensioning, installation and commissioning of **OZONE INJECTION SYSTEM** with a special focus on gas-transfer efficiency.

## Technical Data

An **OZONE INJECTION SYSTEM** is typically suitable for ozone production which ranges from 3 mg/l up to 20 mg/l.

## Related Offer



The **OZONE INJECTION SYSTEM (1)** is part of our **Nexelia for Water Purification** solution, which is designed and tailored to meet your specific needs. These comprehensive offers combine the best of our gases, application technologies and expert support. As with all solutions under the **Nexelia** label, we work closely with you to pre-define a concrete set of results, and we commit to delivering them.

### Contact us

Air Liquide Standard Application Equipment - France  
Phone : +33 139 07 62 55  
E-mail : [application.equipment@airliquide.com](mailto:application.equipment@airliquide.com)

[www.airliquide.com](http://www.airliquide.com)

