

Water & Wastewater Gas Solutions

(Oxygen O₂, Carbon Dioxide CO₂, Nitrogen N₂, Ozone O₃)

YIGAS INTERNATIONAL LIMITED

1. Overview

Water and wastewater treatment processes use gases for aeration, oxidation, pH control and disinfection. YIGAS supplies O₂, CO₂, N₂ and O₃ solutions for municipal and industrial plants.

2. Technical Specifications

Gas	Purity Level	Typical Phase	Temperature Range	Common Pressure
O ₂	≥99.5%	Liquid / Gas	-183 °C	5–200 bar
N ₂	≥99.999%	Gas	-196 °C	5–200 bar
CO ₂	≥99.9%	Liquid / Gas	-78.5 °C	10–60 bar
O ₃	≥90%	Generated in-situ Ambient		

3. Industrial Standards

All gases comply with:

- ISO 14001 – Environmental management
- EN 16723 – Biogas and biomethane standards (where relevant)
- EIGA Doc 135/16 – Ozone safety and usage

4. Applications

- O₂: Aeration and biological treatment
- CO₂: pH control and neutralization
- N₂: Inerting and pipeline purging
- O₃: Disinfection and odor control

5. Packaging & Supply

Cylinder • On-site Generation • Bulk Supply

6. Contact Information

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This document provides reference specifications for YIGAS water & wastewater gases. Customized supply and technical support are available upon request.