

# Recreation Gas Applications Guide

(Carbon Dioxide CO<sub>2</sub>, Nitrogen N<sub>2</sub>, Oxygen O<sub>2</sub>)

YIGAS INTERNATIONAL LIMITED

## 1. Overview

Recreation gases support activities such as diving, sports, and entertainment. YIGAS offers safe and reliable CO<sub>2</sub>, N<sub>2</sub>, and O<sub>2</sub> supplies for recreational applications.

## 2. Technical Specifications

Gas	Purity Level	Typical Phase	Temperature Range	Common Pressure
CO <sub>2</sub>	≥99.9%	Liquid / Gas	-78.5 °C	10—60 bar
N <sub>2</sub>	≥99.999%	Gas	-196 °C	5—200 bar
O <sub>2</sub>	≥99.9%	Liquid / Gas	-183 °C	5—200 bar

## 3. Industrial Standards

All gases comply with:

- ISO 20421 – Cryogenic safety
- EIGA Doc 169/20 – Food and leisure gas purity
- GB/T 3864–2020 – Gas labeling

## 4. Applications

- CO<sub>2</sub>: Paintball and carbonation systems
- N<sub>2</sub>: Tire inflation and sports gas
- O<sub>2</sub>: Diving and medical use

## 5. Packaging & Supply

Cylinder • Dewar Tank • Portable Supply

## 6. Contact Information

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*This document provides reference specifications for YIGAS recreation gases. Customized supply and technical support are available upon request.*