

Recreation Gas Applications Guide

(Carbon Dioxide CO2, Nitrogen N2, Oxygen O2)

YIGAS INTERNATIONAL LIMITED

1. Overview

Recreation gases support activities such as diving, sports, and entertainment. YIGAS offers safe and reliable CO2, N2, and O2 supplies for recreational applications.

2. Technical Specifications

Gas	Purity Level	Typical Phase	Temperature Range	Common Pressure
CO2	≥99.9%	Liquid / Gas	-78.5 °C	10–60 bar
N2	≥99.999%	Gas	-196 °C	5–200 bar
O2	≥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

- CO2: Paintball and carbonation systems
- N2: Tire inflation and sports gas
- O2: 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.