

Oil & Gas Production Gas Solutions

(Nitrogen N₂, Carbon Dioxide CO₂, Helium He, Propane C₃H₈, Ethylene Oxide C₂H₄O)

YIGAS INTERNATIONAL LIMITED

1. Overview

Oil & gas production uses specialized gases for well stimulation, pressure maintenance, leak testing and processing. YIGAS supplies N₂, CO₂, He, propane (C₃H₈) and ethylene oxide (C₂H₄O) or similar process gases with field-grade specifications.

2. Technical Specifications

Gas	Purity Level	Typical Phase	Temperature Range	Common Pressure
N ₂	≥99.999%	Gas	-196 °C	5—200 bar
CO ₂	≥99.9%	Liquid / Gas	-78.5 °C	10—60 bar
He	≥99.999%	Gas	-269 °C	5—200 bar
C ₃ H ₈	≥99.5%	Liquid / Gas	-42 °C	5—25 bar
C ₂ H ₄ O	≥99.5%	Liquid / Gas	-34 °C	5—25 bar

3. Industrial Standards

All gases comply with:

- API RP 5C – Wellhead and gas handling guidance
- ISO 13628 – Subsea and onshore gas handling
- EIGA Doc 80/18 – Field gas safety and transport

4. Applications

- N₂: Gas lift, pipeline purging and pressure testing
- CO₂: EOR and miscible flooding
- He: Reservoir integrity testing and leak detection
- C₃H₈: Portable fuel and calibration in field operations
- C₂H₄O: Specialty chemical feedstock (handled per regs)

5. Packaging & Supply

Cylinder • Tube Skid • ISO Tank • On-site Compression

6. Contact Information

www.yigasgroup.com

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*This document provides reference specifications for YIGAS oil & gas production gases.
Customized supply and technical support are available upon request.*