

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
N2	≥99.999%	Gas	-196 °C	5–200 bar
CO2	≥99.9%	Liquid / Gas	-78.5 °C	10–60 bar
He	≥99.999%	Gas	-269 °C	5–200 bar
C3H8	≥99.5%	Liquid / Gas	-42 °C	5–25 bar
C2H4O	≥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.