

Cement & Lime Gas Applications

(Oxygen O2, Nitrogen N2, Carbon Dioxide CO2, Sulfur Dioxide SO2)

YIGAS INTERNATIONAL LIMITED

1. Overview

Cement and lime industries utilize gases for combustion control, calcination, and emission reduction. YIGAS delivers O2, N2, CO2, and SO2 with reliable quality for industrial processes.

2. Technical Specifications

Gas	Purity Level	Typical Phase	Temperature Range	Common Pressure
O2	≥99.9%	Liquid / Gas	-183 °C	5—200 bar
N2	≥99.999%	Gas	-196 °C	5—200 bar
CO2	≥99.9%	Liquid / Gas	-78.5 °C	10—60 bar
SO2	≥99.9%	Gas	-10—50 °C	5—150 bar

3. Industrial Standards

All gases comply with:

- ISO 23251 – Process gas systems
- EIGA Doc 80/18 – CO2 and SO2 safety
- GB/T 3864–2020 – Gas labeling

4. Applications

- O2: Combustion optimization in kilns
- N2: Inerting and process safety
- CO2: Emission control and carbonation
- SO2: Sulfation and process reactions

5. Packaging & Supply

Cylinder • ISO Tank • On-site Gas System

6. Contact Information

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