

Automotive Gas Solutions

(Argon Ar, Carbon Dioxide CO2, Hydrogen H2, Propane C3H8)

YIGAS INTERNATIONAL LIMITED

1. Overview

Automotive manufacturing requires gases for welding, fuel cells, and quality control. YIGAS supplies Ar, CO2, H2, and C3H8 tailored to automotive production standards.

2. Technical Specifications

Gas	Purity Level	Typical Phase	Temperature Range	Common Pressure
Ar	≥99.999%	Gas	-186 °C	5–200 bar
CO2	≥99.9%	Liquid / Gas	-78.5 °C	10–60 bar
H2	≥99.999%	Gas	-253 °C	10–300 bar
C3H8	≥99.5%	Liquid / Gas	-42 °C	5–25 bar

3. Industrial Standards

All gases comply with:

- ISO 14175 – Welding gas standards
- SAE J2579 – Hydrogen system safety
- GB/T 8982–2020 – Gas purity requirements

4. Applications

- Ar: MIG/TIG welding
- CO2: Automotive welding and testing
- H2: Fuel cell development
- C3H8: Engine calibration and combustion tests

5. Packaging & Supply

Cylinder • Tube Trailer • ISO Tank

6. Contact Information

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