

Turbine Generator Cooling Gas Standards

(Hydrogen H₂, Helium He)

YIGAS INTERNATIONAL LIMITED

1. Overview

Turbine generator cooling systems use hydrogen and helium for efficient heat transfer and operational safety. YIGAS provides gases with precise purity control for power generation applications.

2. Technical Specifications

Gas	Purity Level	Typical Phase	Temperature Range	Common Pressure
H ₂	≥99.999%	Gas	-253 °C	10—200 bar
He	≥99.999%	Gas	-269 °C	5—200 bar

3. Industrial Standards

All gases comply with:

- IEEE Std C57.12 – Hydrogen-cooled generator safety
- ISO 10156 – Flammability and safety classification
- EIGA Doc 65/18 – Gas handling for turbines

4. Applications

- H₂: Generator cooling and loss reduction
- He: Leak detection, insulation gas for turbines

5. Packaging & Supply

Cylinder • Tube Skid • On-site System

6. Contact Information

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