

# 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
H2	≥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

[www.yigasgroup.com](http://www.yigasgroup.com)

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