

Skid Mounted Gas Hydrogen Purification System - H2 Polishing Package with 500-1000 Nm3/h Capacity and 99.9999% Purity

Our Product Introduction

Basic Information

- Place of Origin: CHINA
- Brand Name: GASPU
- Certification: CE, ISO 9001
- Model Number: HPU-1000
- Minimum Order Quantity: 1 Set
- Price: USD 50000-250000 / Set
- Packaging Details: Export wooden case with waterproof lining and foam protection
- Delivery Time: 90 working days
- Payment Terms: T/T,L/C
- Supply Ability: 5 Sets per Month



Product Specification

- H2 Capacity: 500-1000 Nm3/h
- Feed H2 Purity: 99.9% Min
- Output H2 Purity: 99.9999%
- Residual O2: < 2 Ppm
- Pressure Dew Point: -70 Deg C
- Working Pressure: 0.8-1.2 MPa
- Highlight: **Large Capacity H2 Purification System, Skid Mounted Hydrogen Polishing Package, 99.9999% Purity Hydrogen Gas**

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Product Description

Gas Hydrogen Purification System - Skid Mounted H₂ Polishing Package 1000Nm³/h

This skid mounted gas hydrogen purification system is designed for large-scale industrial hydrogen polishing, upgrading 99.9% feed hydrogen to 99.9999% purity at up to 1000Nm³/h for chemical, petrochemical and oil & gas applications.

System Design

The package integrates a catalytic deoxidation reactor, hydrogen feed dosing unit, twin-tower regenerative dryers, coalescing and dust filters, and a product buffer tank on a single structural steel skid, ready for outdoor plug-and-play installation.

Key Features

- Large capacity purification:** up to 1000Nm³/h continuous hydrogen polishing
- High efficiency deoxygenation:** catalytic reaction removes O₂ to below 2 ppm
- Energy saving regeneration:** optimized purge gas consumption reduces operating cost
- Reliable drying performance:** consistent -70°C pressure dew point
- Remote monitoring:** RS485/Modbus interface for DCS integration

Technical Specifications

H ₂ Capacity	500-1000 Nm ³ /h
Feed H ₂ Purity	99.9% min
Output H ₂ Purity	99.9999%
Residual O ₂	< 2 ppm
Pressure Dew Point	-70°C
Working Pressure	0.8-1.2 MPa
Skid Material	Carbon steel frame, SS pipelines
Noise Level	Below 75 dB(A)

Applications

Chemical and petrochemical plants, oil & gas refining, metallurgical processing, electronic materials production and hydrogen energy industries.

Ask our engineers for a customized gas hydrogen purification system design tailored to your site conditions.



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