

99.999%-99.9995% Nitrogen Hydrogenation Purifier Device 500 Scfm

Basic Information

Place of Origin: SUZHOU, CHINABrand Name: SUMAIRUI GAS

• Certification: ISO9001, CE, BV, SGS, TUV, ASME,

GOST,NB,NR ETC

Model Number: OSP-H
Minimum Order Quantity: 1 set
Price: Negotiable

Packaging Details: Exporting wooden case /Film packing

Delivery Time: 30-45 days

Payment Terms:
 L/C, T/T, Western Union, MoneyGram

Supply Ability: 100 sets/months



Product Specification

Flow: 100-10000Nm3/hrPurity: 99.999-99.9999%

• Ppm: <3

Consume: Hydrogen And Water

Raw Nitrogen: >99%Hydrogen Required: >99.5%Cooling Type: Water

Application: Steel, Cooper, Galvanization Line, Stainless

Steel Production Line, Electron Filed

Working Duration: 24 Hrs Non-stopOperation Mode: Fully Automatic

Control Type: Remote Start And Stop

Data Upload: Modbus 485, Ethernet, Profibus,

DP, Hart, TCP Etc

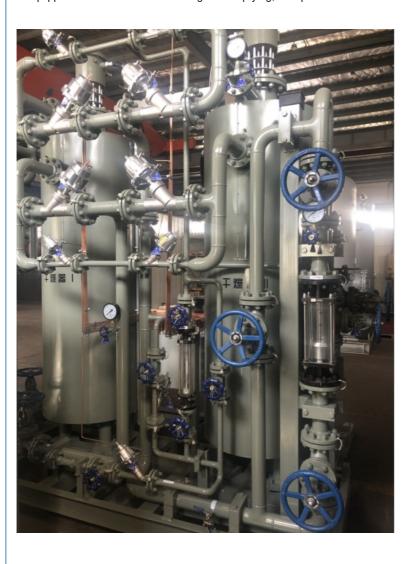
• Temperature Control: Schneider

Product Description

High Quality Hydrogenation Purifier 500 scfm with Automatic Interlocking & Emptying for 99.999%-99.9995% Purity

Technical indicators:

- 1.Deoxygenation and dehydrogenation catalysts are highly efficient, durable, long life service and good stability.
- 2.Deoxidization can be carried out at room temperature without heating, which greatly saves energy consumption.
- 3. Nitrogenous fertilizer has a wide range of requirements, and nitrogen can be selected within 99.999%.
- 4. The hydrogenation purifying unit is equipped with an automatic nitrogen-hydrogen mixing device according to the working conditions. It can automatically calculate and control the amount of hydrogen added according to the inlet amount and purity of nitrogen gas. It is fully automatic controlled. The equipment is sensitive to reaction, has small lag and has high adjusting precision.
- 5. The contact part of electric and hydrogen by electrical explosion, safe and reliable.
- 6. The mixing of nitrogen and hydrogen is accomplished in a static mixer with good mixing effect and less hydrogen consumption.
- 7. Equipped with automatic interlocking and emptying, multiple fault alarm.



TECHNICAL SPECIFICATIONS OF OSP-H

NO	Model	Capacity (Nm³/hr)	Install Power (KW)	Inlet (mm)	Outlet (mm)	Weight (KG)	Dimensions (L*W*H mm)
1	OSP-H-100	100	27	DN25	DN25	500	
2	OSP-H-120	120	28	DN32	DN32	650	
3	OSP-H-150	150	29	DN32	DN32	950	
4	OSP-H-180	180	41	DN40	DN40	1200	
5	OSP-H-200	200	42	DN40	DN40	1350	
6	OSP-H-250	250	61	DN40	DN40	1650	
7	OSP-H-300	300	62	DN40	DN40	1950	Customized
8	OSP-H-350	350	63	DN50	DN50	2200	
9	OSP-H-400	400	81	DN50	DN50	2350	
10	OSP-H-450	450	84	DN50	DN50	2650	
11	OSP-H-500	500	84	DN65	DN65	2800	
12	OSP-H-600	600	109	DN65	DN65	3000	
13	OSP-H-800	800	111	DN80	DN80	3200	
14	OSP-H-1000	1000	114	DN80	DN80	3600	

Design reference:

- Crude Nitrogen: purity @ 99% pressure @ 7 bar (g) Dew point at Nitrogen outlet 65 °C
- Nitrogen quality 1.2.1 according to ISO 8573-1:2010. O, ppm : < 5 ppm
- Designed working temperature max 150 °C

- CO₂, CO free

- $\ensuremath{\,\%\,}$ OSP-H models suitable for strict requirements for oxygen content field
- * Dimensions will be customized
- * Other special requirements as per site conditions



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