High Purity Psa N2 Plant Nitrogen 99.999%-99.9995% 150 Nm3/Hr

Our Product Introduction

Basic Information

- Place of Origin: SUZHOU, CHINA
- Brand 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/hr
- Purity: 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-stop
- Operation Mode: Fully Automatic
- Control Type: Remote Start And Stop
- Data Upload: Modbus 485, Ethernet,Profibus, DP Hart,TCP Etc
- Temperature Control: Schneider
- Heating Rod: Included

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Our Product Introduction

Product Description

On-site 150 Nm3/hr Hydrogenation Purifier for High Purity N2 with 99.999%-99.9995% Purity by ISO9001 & CE certificates

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.

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TECHNICAL SPECIFICATIONS OF OSP-H

NO	Model	Capacity (Nm^3/hr)	Install Power (KW)	Inlet (mm)	Outlet (mm)	Weight (KG)	Dimensions (L*W*H mm)
1	OSP-H-100	100	27	DN25	DN25	500	Customized
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	
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)
- Nitrogen quality 1.2.1 according to ISO 8573-1:2010.
- Designed working temperature max 150 °C
- Dew point at Nitrogen outlet - 65 °C
- O_2 ppm :< 5 ppm
- CO_2, CO free

Notes:

※ 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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