

# Nitrogen Purifier Heat Treatment Furnace Bell Type Bright Quenching Steel Cooper Industry

## **Basic Information**

Place of Origin: SUZHOU, CHINABrand Name: SUMAIRUI GAS

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

GOST,NB,NR ETC

Model Number: OSP-C
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**

Purity: 99.999-99.9999%Flow: 5-5000Nm3/hrPressure: 5-8 Bar(g)

Application: Food, Heat Treatment, Electron, Pharmacy,

Steel, Chemical, Oil And Gas Field

Material: Stainless Steel

Certificates:
 CE, ISO, ASME, GOST, KGS, NB Etc

НМІ

Pipeline: Seamless Steel
 Working Duration: 24 Hrs Non-stop
 Operation Mode: Fully Automatic
 Instrument: Included
 Oxygen Anaylzer: Included

• PLC: Siemens S7-1200

• Temperature Controller: Schneider

Display:

## **Product Description**

# Nitrogen 99.9999% Plant for heat treatment Bell type furnace Bright quenching used for steel/cooper industry

Product Name: Nitrogen Purifier Via Carbon DeOxo Method

I Main Technical Parameters:

This equipment is suitable for high purity nitrogen customers, especially for techniques exercising strict control over oxygen and hydrogen in magnetic materials and electronic industries.

I Purity of nitrogen: 99.9995% ( $O_2 \le 5ppm$ ,  $CO_2 \le 5ppm$ )

Handling capacity of air flow: 10~500Nm<sup>3</sup>/h

Purity of raw nitrogen: ≥99.9%

Dew point: ≤-60°C

Outlet pressure of nitrogen: 0.1~0.6Mpa

I Main Characters:

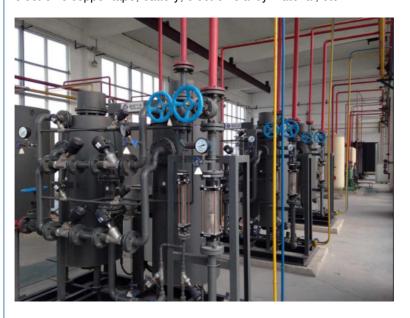
- 1, The stability is good and the oxygen content is always below 5ppm at any time.
- 2, The N<sub>2</sub> purity is high and keep long time stable at 99.9995%.
- 3, The reliability is excellent and the production is in strict accordance with the ISO9001 International Standard.

# **Application Range:**

Metallurgy: For anneal protection, agglomeration protection, furnace washing and blowing ,etc. Used in fields such as metal heating treatment, powder metallurgy, magnetic material, copper process, metallic mesh, galvanized wire, semiconductor, etc.

Chemical and new material industries: For chemical material gas, pipeline blowing, gas replacement, gas protection, product transport, etc. Used in fields such as chemical ,urethane elastic fiber, rubber, plastic, tyre, polyurethane, biological technology, intermediate, etc.

Electronic industry: For encapsulation, agglomeration, anneal, deoxygenation, storage of electronic products. Used in fields such as peak welding, circumfluence welding, crystal, piezoelectricity, electronic porcelain, electronic copper tape, battery, electronic alloy material, etc.



# TECHNICAL SPECIFICATIONS OF OSP-C

NO	Model	Capacity (Nm³/hr)	Install Power (KW)	Inlet (mm)	Outlet (mm)	Weight (KG)	Dimensions (L*W*H mm)
1	OSP-H-100	100	39	DN25	DN25	800	Customized
2	OSP-H-120	120	43.5	DN32	DN32	900	
3	OSP-H-150	150	52.5	DN32	DN32	1200	
4	OSP-H-180	180	63	DN40	DN40	1500	
5	OSP-H-200	200	63	DN40	DN40	1700	
6	OSP-H-250	250	87	DN40	DN40	1950	
7	OSP-H-300	300	87	DN40	DN40	2350	
8	OSP-H-350	350	108	DN50	DN50	2500	
9	OSP-H-400	400	114	DN50	DN50	2800	
10	OSP-H-450	450	120	DN50	DN50	3200	
11	OSP-H-500	500	135	DN65	DN65	3500	

#### Design reference:

- Crude Nitrogen : purity @ 99.9% pressure @ 7 bar (g) Dew point at Nitrogen outlet 70 °C
- Nitrogen quality 1.2.1 according to ISO 8573-1:2010
- Designed working temperature max 350 °C
- O<sub>2</sub> ppm : < 3 ppm
- H, free

## Notes:

- \* OSP-C models suitable for strict requirements for hydrogen & oxygen content field
- ※ Dimensions will be customized
- \* Other special requirements as per site conditions



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