

## Industrial Nitrogen Purification System For Pit Type Furnace Wire Line Fasteners

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-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/hr
- Pressure: 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
- Pipeline: Seamless Steel
- Working Duration: 24 Hrs Non-stop
- Operation Mode: Fully Automatic
- Instrument: Included
- Oxygen Anaylzer: Included
- Display: HMI
- PLC: Siemens S7-1200
- Temperature Controller: Schneider

for more products please visit us on [n2-nitrogengenerator.com](http://n2-nitrogengenerator.com)

## Product Description

### Nitrogen 99.9999% Plant for heat treatment Pit type furnace spheroidizing annealing for the wire line and fasteners

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% ( $O_2 \leq 5\text{ppm}$ ,  $CO_2 \leq 5\text{ppm}$ )

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

Purity of raw nitrogen:  $\geq 99.9\%$

Dew point:  $\leq -60^\circ\text{C}$

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  $N_2$  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 (Nm <sup>3</sup> /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)
- Nitrogen quality 1.2.1 according to ISO 8573-1:2010
- Designed working temperature max 350 °C
- Dew point at Nitrogen outlet - 70 °C
- O<sub>2</sub> ppm :< 3 ppm
- H<sub>2</sub> 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



Suzhou Sumairui Gas System Co.,Ltd.



+8613812659092



dylan@sumairui.com



n2-nitrogengenerator.com

No 161,ZhongfengJie, Suzhou High technology district, Suzhou