

Vacuum Pressure Swing Adsorption Psa Oxygen Generator Industrial Production

Our Product Introduction

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Basic Information

- Place of Origin: SUZHOU, CHINA
- Brand Name: SUMAIRUI GAS
- Certification: ISO9001, CE, BV, SGS, TUV, ASME, GOST,NB,NR ETC
- Model Number: OSO-M
- Minimum Order Quantity: 1 set
- Price: Negotiable
- Packaging Details: Exporting wooden case /Film packing
- Delivery Time: 4-5 weeks
- Payment Terms: L/C, T/T, Western Union, MoneyGram
- Supply Ability: 100 sets/months



Product Specification

- Material: Stainless Steel
- Purity: 93%-99.5%
- Flow: 500-1000 SCFM
- Pressure: 5-200 Bar
- Control Type: PLC Controls
- Oxygen Analyzer: Included
- HMI: Included
- Flow Meter: Included
- Manometer: Included
- Towers: Twin
- Color: White
- Container Mode: Customized
- Plug And Play: Option
- Type: Breathing Apparatus, Medical Gas Equipments, Respiratory Equipments



Product Description

Safety and Reliability Medical Oxygen Generator for Hospitals Medical Oxygen Production and Supply with Cylinder Filling

Oxygen purity is continuously displayed on the Control Panel. Start-up time is only 5-minutes. Oxygen generation pressure is 4.5 to 5-Barg & at this pressure, Oxygen is continuously supplied to Hospital beds through pipeline. Sumairui Gas also provides Automatic Switching Panel for switching over to back-up Oxygen cylinders supply in the event of power interruptions.

The Oxygen generator is supplied in skid mounted construction. It is with a fully automated PLC control with HMI. The maintenance is virtually negligible. Molecular Sieve used lasts 15 to 20-years i.e. for whole life time of Oxygen generator. As compared to using Oxygen cylinders, cost of Oxygen generation is 1/3rd, so giving very good cost savings. Return on investment in less than 2-years.

Sumairui Gas also supplies Cylinder Filling Compressor if one wants to fill the Oxygen cylinders to supply to remote hospitals from a centralized location.

Features

- Oxygen at any time and at any place
- Cost-effective through low operating costs
- Sophisticated and reliable technology
- Exact purity for every application
- No rental commitments as with bottles/bundles and tank systems
- No CO2 pollution for the environment
- No hazardous goods
- No risk of explosion
- In-house placement and production

NO	Model	Capacity (L/min)	Purity	Outlet pressure (Mpa)	Outlet (mm)	Dimensions (L*W*H mm)	Weight (KG)
1	OSO-M50	50	93 ± 3%	0.2-0.4 Mpa	DN10	1250*1000*1900	300
2	OSO-M100	100			DN10	1400*1250*1950	400
3	OSO-M200	200			DN15	1800*1600*2300	600
4	OSO-M400	400			DN25	2100*2000*2400	800
5	OSO-M500	500			DN25	2200*2100*2450	1000
6	OSO-M600	600			DN25	2300*2200*2600	1200
7	OSO-M800	800			DN25	2450*2200*2650	1400
8	OSO-M1000	1000			DN45	2500*2250*2750	1800

Design reference:

- Compressed air inlet pressure 7.5 bar(g)/108 psi(g)
- Air quality 1.4.1 according to ISO 8573-1:2010
- Oxygen outlet pressure 2-4 bar(g)/58psi(g)
- Oxygen quality 1.2.1 according to ISO 8573-1:2010
- Twin towers with instruments
- Designed working temperature max 50 °C
- Dew point at Oxygen outlet - 50 °C

Notes:

Following request of oxygen generator will be customized :

- ※ Oxygen outlet pressure >4 bar(g)/58 psi(g)
- ※ Filling cylinders 150 bar(g)/200 bar(g)/300 bar(g)
- ※ Dew point < - 50 °C
- ※ Movable/containerized , plug and play
- ※ 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