Suzhou Sumairui Gas System Co.,Ltd. n2-nitrogengenerator.com

95% Purity Nitrogen Generator Membrane System 1000CFM 500PSI One Skid

Basic Information

. Place of Origin: SUZHOU, CHINA Brand Name: **SUMAIRUI GAS**

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

GOST,NB,NR ETC

Model Number: OSM Minimum Order Quantity: 1 set 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

· Application: Oil And Gas, Off Shore Projects

• Flow: 1000 CFM 95%-99.9% • Purity: 300 Bar Pressure: -70 °C DP:

Mild Steel/Stainless Steel Material:

Seamless Steel Pipeline:

Certificates: ISO,CE, ASME, GOST,SGS

. Container: Customized

Booster: Option Up To 5000 PSI

Oil Free Screwing Or Diesel Option Air Compressor:

Drive Type: Electricity/Diesel Drive

Movable: Customized Working Duration: 24hrs Non-stop Fully Automatic

Product Description

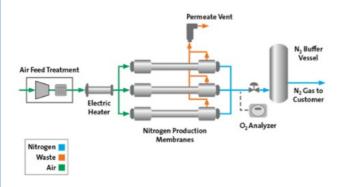
Membrane nitrogen generator technology with 1000CFM 500 PSI 95% purity one skid

Compact configuration. Robust capacity. nitrogen membrane plants are a powerhouse unit capable of producing nitrogen up to 70,000 scfh with a range of purities up to 99.5% and are suitable for applications across a wide range of nitrogen needs from inerting warehouses to beverage dispensing and tire filling applications.

Our advanced selective permeating technology housed in a fully skidded unit is engineered for fast installation, low maintenance and simple operation.

Nitrogen Permeation Process

In a membrane system, a compressed air stream flows through multiple membrane modules that contain thousands of hollow membrane fibers that each removes oxygen, water, and carbon dioxide, allowing nitrogen to pass through. Membrane systems typically produce 95-99.5% nitrogen purity.



Compact design for high capacity use

Floor-mounted configuration requires no special foundations and expansion capability allows the system to accommodate increased volume requirements

Easy operation and minimal maintenance

Few moving parts, removable panels, and advanced PLC control systems enables easy access and remote operation

Efficient, cost-effective nitrogen use

Automatic shutdown during periods of low demand reduces power consumption and operating costs

Item	Nitrogen	purity (Nn	Dimensions	Weight			
	90%	95%	99%	99.5%	99.9%	(L*W*H) mm	KG
OSM15	135	61	23	15	6.5	450*300*1300	100
OSM30	270	122	46	30	13	550*500*1300	140
OSM60	540	244	92	60	26	900*850*1300	200
OSM120	1080	488	184	120	52	1200*1000*150 0	280
OSM180	1620	732	276	180	78	1500*1200*150 0	400
OSM240	1890	854	322	240	104	1800*1200*160 0	520
OSM300	2700	1220	460	300	130	2300*1350*180 0	600
OSM450	4050	1830	690	450	195	3850*1500*200 0	800
OSM525	4725	2135	805	525	227.5	4200*1550*210 0	950
OSM600	5400	2440	920	600	260	5000*1800*225 0	1050
OSM675	6075	2745	1035	675	292.5	5500*1800*235 0	1250
OSM750	6750	3050	1150	750	325	5850*1850*240 0	1500
OSM900	8100	3660	1380	900	390	6500*1950*240 0	1700
OSM1050	9450	4270	1610	1050	455	7800*2100*245 0	1950
OSM1500	13500	6100	2300	1500	650	10500*2300*26 00	2100

OSM1800 16200 7320	2760	1800	780	13000*2350*26 00	
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Design reference:

Compressed air inlet pressure 9 bar(g)/130 psi(g) Air quality 1.4.1 according to ISO 8573-1:2010 Nitrogen outlet pressure 7 bar(g)/101psi(g) Nitrogen quality 1.2.1 according to ISO 8573-1:2010. Designed working temperature max 50 °C Dew point at Nitrogen outlet - 50 °C

Notes:

Compressed air inlet pressure decide membrane performance Following request of membrane nitrogen generator will be customized : Compressed air pressure >14 bar(g)/203 psi(g) max up to 24 bar(g)/350 psi(g) Working pressure >24 bar(g)/350 psi(g) Dew point < - 50 °C Movable/containerized , plug and play Diesel drive

Other special requirements as per site conditions





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