

ASME PSA Nitrogen Generator Air Compressing System For O2 N2 Separation

Our Product Introduction

for more products please visit us on nitrogengeneratorsystem.com

Basic Information

- Place of Origin: CHINA
- Brand Name: GASPU
- Certification: CE
- Model Number: NG
- Minimum Order Quantity: 1set
- Price: negotiation
- Packaging Details: Plywood or other type
- Delivery Time: 25work days
- Payment Terms: T/T, Western Union, MoneyGram
- Supply Ability: 4set/month



Product Specification

- Atmospheric Dew Point: ≤ 40
- Main Material: Carbon Steel&Stainless Steel
- Performance: High Performance
- Flow: 5-5000Nm³/hr
- Power Consumption: 0.75 Kw
- Adsorption Material: Carbon Molecular Sieve
- Package Size: 42x40x61cm
- Keyword: Psa Nitrogen Generator
- Air Consumption: 10m³/min
- Temperature: 27
- Control System: PLC Control
- Recommend Air Compressor: 4Kw 0.4 M³/min8Bar)
- Type: NITROGEN PSA
- Psa Vessel: Carbon,stainless



More Images



Product Description

Industrial PSA Nitrogen Generator Carbon Molecular Sieve Adsorbent

PSA Nitrogen Generator flow

- (1). air compressing system, this system includes an air compressor, and air buffer tank, the purpose of this system is to compress the normal pressure air to high-pressure air.
- (2). air purification system, The system includes a degreaser, refrigerated (adsorption) dryer, ultrafilter, and active carbon filter, the purpose of this system is to remove dust, water, and oil in the compressed air to make sure the compressed air will be clean and dry in the following steps.
- (3). air buffer tank. This system includes an air-compressing buffer tank, the purpose of this system is to store the compressed gas to ensure a stable supply of gas for the O2/N2 separation system, mainly composed of air tanks and valves.
- (4). Adsorption separation system, this system includes an adsorber tower, Program control valve, controller, and analysis meter, also this is the most important system for all the production lines, the purpose of this system is to produce N2 through PSA technology, composed of two adsorption towers filled with carbon molecular sieve and automatic control valves

PSA Nitrogen Generator Benefits

- German Technology - We have German collaboration for our technology and have fine-tuned this technology to gain proprietary advantages in several key areas.
- Automated Operation - PSA Nitrogen Gas plants we manufacture incorporate complete automation and no personnel are required to operate the Gas plant.
- Low Power Consumption - We guarantee a very low power consumption for Nitrogen production by optimum Design to efficiently use the compressed air and maximize production of Nitrogen gas.

Technical index:

- N2 Capacity:100Nm3/h
- N2 Purity: 99.99%
- N2 Dew point: -45
- N2 pressure:1-8barg
- Power:0.2kw 110V-240V/50-60Hz



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