

Compressed Ammonia Dryer Chemical CE Certificates

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: OSD-F
- 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

- Material: Stainless Steel
- Flow: 10-10000 Nm³/hr
- Pressure: 7-10 Bar
- Dew Point: -70°C
- Certificates: ISO, ASME, CE
- Application: Heat Treatment, Oil Refinery
- Pipeline: Seamless Steel
- Flow Meter: Included
- Manometer: Included
- Hydrogen Analyzer: Included
- HMI: 7 Inches/customized
- PLC Control: Siemens
- Ex-proof: Customized
- Highlight: **Compressed, ammonia dryer Chemical, dry ammonia**

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Product Description

Chemical products using ammonia dryer to improve efficiency & quality verified by CE certificates

Liquid ammonia adsorbing dryer device

Liquid ammonia dryer working principle :

This ammonia dryer adopts adsorbing technology. The raw material comes from the liquid ammonia storage system, enters into the dryer, will be adsorbed by 3A molecular sieves inside the dryer, therefore to get pure & clean ammonia dew point lower than -40°C . Because the molecular sieves will saturate after a period of time, so the molecular sieves must regenerate, while regenerating the molecular sieves temperature should be beyond 250°C , meanwhile inlet some nitrogen, which makes molecular sieves moisture will be taken away by regenerate gas, regenerate molecular sieves can recycle using after cooling. Purification package adsorbing dryer consists of two adsorbers, pneumatic valve, solenoid valve, two adsorbers fully automatic control & switch, while one working another standby.

Dryer temperature control part is made up of thermocouple, temperature controller, contractor etc. Each adsorber will have one thermocouple, it is located in the vessel middle position. Adsorber 2 thermocouple will share one temperature controller, via auxiliary relay to switch, dryer only heating control temperature when regenerate, the equipment heating temperature can be set in temperature controller.

In order to prevent liquid ammonia from freezing in winter, spraying device

should be used in former, hot water provided by hot water gasification system, heater makes water hot, spraying ammonia cylinder, spraying water enters into water pool, via pump pressurizes recycling heating, spraying.

This device regenerates gas-nitrogen



Application:

1. 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.
2. 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.
3. 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.

4. Food, Beverage, Cereal & Drug Industries: It's suitable to use in gas-adjusting package and nitrogen package of fruits, vegetables, flowers, tea leaves and puffed food, custard pie, milk bread, European-style egg roll, various cookies, farm products and local special products, such as rice, seed and chestnut, also kinds of drugs etc .

5. Metallurgy: For anneal protection, agglomeration protection, nitrogenizing, 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.



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