Industrial Air Dryer Ammonia System Stainless Steel

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: **Industrial Air Dryer Ammonia**, **Air Dryer Ammonia System**,

Our Product Introduction

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Product Description

Heat treatment ISO, ASME certificates Ammonia dryer with Stainless steel

Liquid ammonia adsorbing dryer device

Liquid ammonia dryer working principle :
This ammonia dryer adopt absorbing technology.The raw material come form Liquid ammonia storage system,enter into dryer,will be adsorbed by 3A molecular sieves inside dryers,therefore to get pure &clean ammonia dew point lower than -40°C.Because the molecular sieves will saturation after period of time,so we molecular sieves must regenerate,while regeneration the molecular sieves temperature should beyond 250°C,meanwhile inlet some nitrogen,which make molecular sieves moisture will be take away by regenerate gas,regenerate molecular sieves can recycling using after cooling.Purification package adsorbing dryer insist of two adsorbers,pneumatic valve,solenoid valve,two adsorbers fully automatic control&switch,while one working another standby.

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

In order to prevent liquid ammonia freeze in winter Spaying device
Should be using in former,hot water provide by hot water gasification system,heater make water hot,spraying ammonia cylinder,spaying water enter into water pool,via pump pressurize recycling heating,spaying.
This device regenerate 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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