200 Cfm Twin Tower Desiccant Air Dryer For Natural Gas Adsorption

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-M
- 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

- Certificates: CE & ASME
- Material: Carbon Steel , Stainless Steel
- Flow: 5-20000 Nm3/hr
- Regeneration Gas Consumption: ＜7%
- Power Supply: 380-460V/50 Hz/60Hz
- Regeneration: 2-6 H
- Inlet Oil Content: ＜0.1ppm
- Pressure Loss: ＜0.5 Bar
- Dew Point: Available Customized
- Control Type: Siemens PLC
- Structure: Two Vertical Towers
- Controls: Digital
- Desiccant Type: AL2O3
- Dew Point: -40°F

Product Description

200 SCFM with 230 psi heated desiccant twin adsorption air dryer for fiber laser cutting solutions
Heated Desiccant Air Dryer

Working condition and technical data
Maximum inlet air temperature:45℃
Pressure range:0.5-1.0Mpa
Pressure dew point:-20℃ ~ -40℃
Inlet oil content:≤0.1PPm
Regeneration gas consumption:≤7%
Control mode: microcomputer automatic control / PLC control
Power supply: 1-6nm 3 / min, AC 220 V / 50 Hz
AC 380 V / 220 V / 50 Hz for 8nm 3 / min and above
Period: T = 2-6 (H)
Design condition: inlet temperature: 38 ℃
Ambient temperature: 38 ℃
Working pressure: 0.7MPa
Pressure loss: ≤ 3% of design pressure
Note: other special requirements are welcome to customize.

Characteristics of micro heat regeneration adsorption dryer
2-6 hours standard cycle;
The pressure dew point can reach - 20 ℃ to - 40 ℃;
The regeneration gas consumption is less than 7%;
High quality switching valve, stable and reliable, can ensure the integrity of the working process and prolong the working life of components;
The activated alumina with high hygroscopicity is selected with uniform shape and size, high strength, low dew point, less dust and long service life;
The unique regeneration pipeline design is adopted to ensure that the regeneration gas can be evenly distributed when the regeneration gas is heated and cooled, so that the adsorbent in the center of the adsorption tower is heated evenly, the heat dissipation is fast, and the regeneration is complete;
The heater has reasonable design, good dehumidification and regeneration effect, low air consumption, high heating efficiency, and greatly reduces energy consumption;
Programmable microcomputer controller, cycle time, adsorption, regeneration working time, heating time, heating temperature can be adjusted to achieve your satisfactory dew point value.

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Operating Conditions
Inlet temperature:≤38℃
Ambient temperature:1-45℃
Standard Working Pressure:0.7Mpa
Power:AC 380-460 V/3P/50Hz/60Hz
Standard Configuration
PDP:-40℃
Adsorbent life:3 years
Valve with Stainless Steel Core
PLC Control
Optional Configuration
PDP:-70℃
Dew point display and energy saving module
Communication telex function
High temperature and high pressure intake
Galvanized or stainless steel pipe
Tower insulation

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