

100CFM Externally Heated Regenerative Desiccant Air Dryer With Activated Alumina

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-C
- 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: Gas Free
- Power Supply: 380-460V/50 Hz/60Hz
- Regeneration: 6-8 H
- Inlet Oil Content: <0.1ppm
- Pressure Loss: <0.5 Bar
- Dew Point: Available Customized
- Control Type: Siemens PLC
- Structure: Two Vertical Towers
- Min Inlet Air Temperature: 100°C
- Other Special Request: Available Customized
- Highlight: **externally heated desiccant dryer,**
100CFM treatment capacity, standard heated

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Product Description

100SCFM 100 psig ISO 9001 heated regenerative desiccant air dryer with activated alumina for air compressor

Working condition and technical data

Minimum inlet air temperature: 100°C
Pressure range: 0.5-1.0Mpa
Pressure dew point: -20°C ~ -40°C
Regeneration gas consumption: ≤1.5%
Inlet oil content: ≤0.1PPm
Control mode: PLC control
Power supply: AC 220 V / 50 Hz
Period: T = 6-8 (H)
Design condition: inlet temperature: 120 °C
Working pressure: 0.8MPa
Inlet cooling water temperature: 32 °C
Pressure loss: ≤ 5% of design pressure
Note: the inlet temperature is higher than 140 °C and other special requirements are welcome to customize.

Characteristic of heat of compression desiccant air dryer

High efficiency and energy saving;
The pressure dew point can reach - 20 °C ~ - 40 °C
It is equipped with imported brand PLC controller to realize chain function;
High quality switching valve, stable and reliable, can ensure the integrity of the working process, prolong the working life of components;
Special adsorbent with high hygroscopicity is selected with uniform shape and size, high strength, low dew point, less dust and long service life;
The unique gas distribution design ensures that the gas distribution is uniform when the high temperature gas is heated and regenerated and the low temperature gas adsorption mode is adopted, so that the adsorbent at the edge of the adsorption tower is fully utilized, and the stroke tunnel flow effect is avoided;
Three level drainage function: liquid level, time and manual operation;





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