

## Instrument High Pressure Desiccant Air Dryer Heated Desiccant Dryer 2.5m3/Min 22 Bar

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: 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

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**Product Description**

## 2.5 m3/min 22 bar heated desiccant air dryer for laser cutting machine clean & white cutting

### Heated Desiccant Air Dryer

**Working condition and technical data**

Maximum inlet air temperature: 45°C  
 Pressure range: 0.5-1.0Mpa  
 Pressure dew point: -20°C ~ -40°C  
 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 °C  
 Ambient temperature: 38 °C  
 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 °C to - 40 °C;  
 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°C  
 Ambient temperature: 1-45°C  
 Standard Working Pressure: 0.7Mpa  
 Power: AC 380-460 V/3P/50Hz/60Hz  
**Standard Configuration**  
 PDP: -40°C  
 Adsorbent life: 3 years  
 Valve with Stainless Steel Core  
 PLC Control  
**Optional Configuration**  
 PDP: -70°C  
 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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