

## 200 Cfm 100 Cfm Heatless Desiccant Air Dryer Media For Fiber Laser Cutting Max 30 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-P
- Minimum Order Quantity: 1 set
- Price: Negotiable
- Packaging Details: Exporting wooden case /Film packing
- Delivery Time: 15-25 days
- Payment Terms: L/C, T/T, Western Union, MoneyGram
- Supply Ability: 100 sets/months



#### Product Specification

- Maximum Inlet Air Temperature: 45
- Pressure: 0.5-1.6 Mpa
- Dew Point: Available Customized
- Material: Carbon Steel/Stainless Steel
- Regeneration Gas Consumption:  $\leq 14\%$
- Power Supply: 110-230 V Available
- Cycle: 10 Min
- Pressure Loss: 0.5 Bar
- Certificates: CE/ASME/ISO
- Other Request: Available Customized
- Air FlowRate: 1000-3000CFM
- AirInlet Temperature:  $\leq 45$
- Air Quality: Class 1
- Control Mode: PLC

**Product Description**

# Desiccant heatless air dryer max 30 bar used for fiber laser cutting field by CE/ASEM/ISO9001 system

## Heatless 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: ≤ 14%  
 Control mode: microcomputer automatic control / PLC control  
 Power Supply: AC 220V/50HZ  
 cycle: T=10(min)  
 Design condition: inlet temperature: 38  
 Ambient temperature: 38  
 Working pressure: 0.7MPa  
 Pressure loss: ≤ 3% of design pressure

**Features:**

- 10 minutes cycle in the desiccant dryers.
- The pressure dew point of the desiccant dryers can reach - 20 to - 40 ;
- Regeneration gas consumption ≤ 14%;
- High-quality switching valve in the stable and reliable, can ensure the integrity of the working process, prolong the working life of components;
- The activated alumina with high hygroscopicity is selected in the Heatless Desiccant Air Dryer, with uniform shape and size, high strength, high dew point, less dust, and long service life;
- The amount of regeneration gas can be adjusted according to the operation load demand of the equipment to achieve energy-saving effect;
- Special airflow diffusion device and automatic regeneration in the desiccant dryers, ensure the service life of desiccant;
- Programmable microcomputer controller, adsorption, regeneration working time can be adjusted to achieve your satisfactory dew point value.

Note: other special requirements are welcome to customize.

**2. Operating Conditions**

Inlet temperature: ≤ 38  
 Ambient temperature: 1-45  
 Standard Working Pressure: 0.7Mpa  
 Power: AC220V/1P/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



SUMAIRUI

**Suzhou Sumairui Gas System Co.,Ltd.**



+8613812659092



dylan@sumairui.com



n2-nitrogengenerator.com

No 161,ZhongfengJie, Suzhou High technology district, Suzhou