

Regenerative Heatless Desiccant Air Dryers For Compressed Air 10m3/Min 10Bar

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°C
- Pressure: 0.5-1.6 Mpa
- Dew Point: Available Customized
- Material: Carbon Steel/Stainless Steel
- Regeneration Gas Consumption: ≤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: ≤45°C
- Air Quality: Class 1
- Control Mode: PLC

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Product Description

Industrial Compressors 10m³/min 10Bar Heatless Desiccant Air Dryer Heatless Regenerative Adsorption Type Dryer

Heatless 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: ≤14%
 Control mode: microcomputer automatic control / PLC control
 Power Supply: AC 220V/50HZ
 cycle: T=10(min)
 Design condition: inlet temperature: 38 °C
 Ambient temperature: 38 °C
 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 °C to - 40 °C;
- 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°C
 Ambient temperature: 1-45°C
 Standard Working Pressure: 0.7Mpa
 Power: AC220V/1P/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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