Demargo® Demargo

Energy-Saving 1.5nm³/Min Heatless Regeneration Adsorption Air Dryers

Desiccant Air Dryer

Product Specifications

Flow	Contra-Flow
Drying Medium	Air
Operation Pressure	Atmospheric Pressure
Inlet Temperature	Normal Temperature
Cooling Way	Air Cooling
Type	Medium
Product Name	Heatless Purge Desiccant Air Dryer
Drying Principle	Pressure Swing Adsorption
Purge Air Consumption	≤12~15%

Power Supply	220 V / 50Hz
Working Period	T=4~20min
Desiccant Type	Activated Aluminum + Molecular Sieve
Outlet Air Pressure Dew Point	-20~-40℃
Inlet Oil Content	≤0.1 Mg/M³
Working Pressure	0.6~1.6 MPa
Transport Package	Wooden
Production Capacity	5000
Customization	Available
After-sales Service	1 Year
Warranty	1 Year

Product Description

Heatless Desiccant Air Dryer

The thermal regeneration adsorption dryer uses "pressure swing adsorption" to achieve the drying effect. Due to the inverse ratio between the ability of air to hold water vapor and pressure.After drying, a portion of the air (called regenerated gas) is depressurized and expanded to atmospheric pressure. This pressure change makes the expanded air drier and then allows it to flow through the desiccant layer that is not connected to the airflow (i.e. a drying tower that has absorbed sufficient water vapor), and the moisture in the dried regeneration gas desiccant, will be taken out of the dryer to reach.For the purpose of dehumidification.

Purge air	≤12~15%
Power	220 V/50Hz
Inlet temperature	0~45℃
Working periods	T=4~20min
Desiccant	Activated aluminum + Molecular sieve
Outlet air pressure dew point	-20~-40℃
Inlet oil content	≤0.1mg/m³
Working pressure	0.6~1.0Mpa

Parameter	Capacity (Nm³/min)	Air connection	Net weight (Kg)	Length (mm)	Width (mm)	Height (mm)
DM15WR	1.5	ZG1"	125	750	350	1450
DM26WR	2.6	ZG1.5"	180	750	350	1640
DM40WR	3.8	ZG2.0"	285	1000	500	1518
DM65WR	6.5	ZG2.0"	420	1000	450	1980
DM85WR	8.5	ZG2.0"	550	1100	500	1910
DM110WR	11	DN65	650	1100	500	2060
DM135WR	13.8	DN80	750	1200	550	2100

Refrigerated Air Dryer & Desiccant Air Dryer - Demargo

Demargo (Shanghai) Energy-Saving Technology Co., Ltd. is a national high-tech enterprise and a Shanghai "Specialized, Refined, Characteristic and Innovative" enterprise, devoting itself to the R&D, production, sales and after-sales service of compressed air purification equipment for 19 years. With a firm commitment to energy conservation, environmental protection and technological innovation, we have grown into a leading manufacturer in the air compression post-treatment industry, providing high-quality, customized solutions for global industrial customers.

Our core strength lies in strong technological research and development capabilities. Up to now, we have owned 24 authorized patents and 22 patents under application, covering key technologies of air drying and purification equipment, which effectively guarantees the stability and energy efficiency of our products. We have passed ISO9001 and QS certifications, and our products comply with international industrial standards, with dew point ranging from -23℃ to -70℃, air treatment capacity of 1~500Nm³/min, and outlet oil content as low as 0.003PPM, reaching the industry-leading precision level.

We boast a comprehensive and diverse product portfolio, covering more than 60 product categories, including 21 standard products and a variety of non-standard customized products that lead the industry. Our main products include air compressors and their accessories, air receivers, refrigerated dryers (including plate heat exchanger type, high-temperature air-cooled type, DC inverter type, etc.), adsorption dryers, combined dryers, heat of compression adsorption dryers, filters, zero-air-consumption blower-heated dryers, self-cleaning air filters, compressed air pre-cooling units, low-temperature high-pressure nitrogen pre-cooling units, industrial chillers, oil-water separators, oil removers and aftercoolers, etc.. We support 12 types of product configurations such as air-cooled/water-cooled, fluorine-free/high-temperature, inverter/explosion-proof, and can provide intelligent solutions such as industrial computer and programmable control according to customer needs.

With excellent product quality and professional service, we have won wide recognition in the global market. Our customers are distributed in more than 20 countries and regions around the world, including Brazil, Australia, etc., and we have established in-depth cooperation with more than 20 OEM manufacturers and 2299 brand agents. Our annual output reaches 9,682 sets, and the cumulative sales volume exceeds 100,000 sets, which fully demonstrates the market influence and customer trust in our brand.

Customer-centricity is our consistent service philosophy. We provide a full-cycle service system from pre-sales design, in-sales installation to after-sales maintenance: we promise 30-minute response, 24-hour online guidance and 48-hour on-site service, and ensure spare parts supply response within 24 hours, effectively solving the worries of customers in product use. We are committed to tailoring the most suitable compressed air purification solutions for customers in more than 30 industries such as power, aerospace, electronics, and chemical industry, helping enterprises reduce energy consumption, improve production efficiency and product quality.

Looking forward to the future, Demargo will continue to increase R&D investment, accelerate technological innovation, expand the global market layout, and strive to become a world-class provider of compressed air purification and energy-saving solutions. We sincerely look forward to cooperating with partners from all over the world to jointly promote the development of the global industrial energy-saving and environmental protection industry!

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