

DM40MR Micro-Heated Desiccant Air Dryer

Desiccant Air Dryer







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Product Specifications

Max. Air Handling Capacity	4.0 Nm ³ /min
Working Pressure	0.6-1.0Mpa
Max. Working Pressure	10bar/1.0Mpa
Outlet Dew Point	-40°C
Pressure Drop	≤0.020Mpa
Regeneration Air Consumption	4-6%
Power	2KW
Power Supply	20V AC 50Hz
Control Mode	Microcomputer Control Continuous Operation Mode

Connection	Thread Connection
Inlet & Outlet Size	DN40/1.5"
Overall Dimension (L*W*H)	1000mm×500mm×1518mm
Net Weight	240Kg

Product Description

Product Overview

Demargo DM40MR is a heavy-duty, high-stability micro-heated adsorption compressed air dryer, built for continuous industrial compressed air drying with consistent low dew point output. Powered by automatic microcomputer control, it boasts low energy consumption, long service life and hassle-free operation, perfectly matching various industrial high-purity air supply demands.

Customer Notice

At least one oil removal filter must be installed at the dryer inlet, and one dust removal filter shall be equipped at the outlet to ensure stable equipment performance.

Key Product Features

- Stable outlet dew point fixed at **-40°C**, fully satisfying industrial precision drying requirements
- Layered filling of activated alumina + molecular sieve, with 20% extra desiccant to offset aging and wear for lasting stable performance
- Optimized tower design ensures sufficient contact between compressed air and desiccant; customized diffuser eliminates airflow channeling
- Import-imitation compact structure, elegant appearance and durable construction
- High-reliability pneumatic valves and electrical parts, stable automatic operation, strong anti-interference performance
- Low pressure loss, ultra-low regeneration air consumption, cost-effective for long-term use

Core Applications

Core Purpose: Deeply purify and dry compressed air, efficiently remove moisture, oil and impurities, protect rear-end precision pneumatic equipment, instruments and processing machines.

Main Industries: Precision machinery manufacturing, electronics & semiconductor, pharmaceutical & food processing, laser processing, automotive production, industrial automation, general compressed air systems

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°C to -70°C, 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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