

2.6 Nm³/min Modular Adsorption Air Dryer

Modular Desiccant Air Dryer









Product Specifications

Capacity	2.6 Nm ³ /min
Inlet Air Flow Rate	Inlet Air Flow Rate
Inlet Air Pressure	Std.16 bar Min 4 bar Max:16 bar
Inlet Air Temperature	Std.35 °C Max:42°C
Operating Ambient Temperature	Std.35 °C Min 2°C Max:45°C
Pressure Loss under Full Load	Std.0.12 bar
Outlet Air Temperature	3~5°C higher than the inlet air temperature
Outlet Air Dew Point	-20°C

Product Description

Product Features

Modular integrated design, compact structure, small footprint, easy installation and maintenance.

Heatless regeneration drying technology, stable performance and low operation cost.

High-efficiency composite adsorbent (activated alumina + molecular sieve 13X), ensuring stable low dew point.

Low pressure loss, low regeneration air consumption, high energy efficiency.

Intelligent PLC touch screen control system, fully automatic operation.

Wide application range, especially suitable for laser cutting and other high-precision air supply equipment.

Product Advantages

Modular design: Small size, light weight, easy for installation and replacement.

Stable dew point: Outlet dew point up to -20°C, fully meeting high-precision industrial needs.

Low energy consumption: Low pressure loss and low regeneration air consumption.

Intelligent control: PLC touch screen controller, fully automatic operation with high reliability.

High-quality materials: High-grade anodized 6063 aluminum alloy tubes, long service life.

Stable performance: Suitable for wide pressure and temperature range, strong adaptability.

Technical Parameters

1.1. Rated Design & Acceptance Standard Conditions

Applicable Fluid: Compressed air / non-corrosive air

Working Principle: Adsorption & regeneration for water removal

Inlet Air Flow: Std. 2.6 Nm³/min

Inlet Air Pressure: Std. 16 bar | Min. 4 bar, Max. 16 bar

Inlet Air Temperature: Std. 35 °C | Max. 42 °C

Cyclone water separator is recommended at the inlet.

Ambient Temperature: Std. 35 °C | Min. 2 °C, Max. 45 °C

Pressure Drop at Full Load: Std. 0.12 bar

Outlet Air Temperature: 3~5°C higher than inlet temperature

Outlet Air Dew Point: -20°C

Drying Type: Heatless regeneration

Inlet Connection: G1 (female thread)

Outlet Connection: G1 (female thread)

Net Weight: 38 kg

1.2. Drying Data

Regeneration Air Consumption: ≤ 12.5%

Power Supply: 220 V AC, 50 Hz

Power Consumption: 0.15 KW

Adsorption Modules: 2 PCS

Adsorbent Weight: 14 kgs

Adsorbent Type: Activated alumina + Molecular sieve 13X, 3-5mm

Adsorption Tube Material: National standard anodized 6063 aluminum alloy

1.3. Adsorption Inlet System Control Components

Inlet Guide Valve Body | DY-MJT-2P | DEMARGO | 1 set

Inlet Seal Assembly | DYJQ-ZL-032 | DEMARGO | 2 sets

1.4. Adsorption Exhaust System Control Components

Exhaust Manifold Valve Body | DY-MPT-2P | DEMARGO | 1 set

Exhaust Control Valve | DY-MPF-32 | DEMARGO | 2 pcs

Exhaust Seal Assembly | DYPQ-ZL-032 | DEMARGO | 2 sets

Muffler | DYSLI-004-B | DEMARGO | 2 pcs

1.5. Adsorption Outlet System Control Components

Outlet Guide Valve Body | DY-MCT-2P | DEMARGO | 1 set

Check Seal Assembly | DYDX-ZL-032 | DEMARGO | 2 sets

1.6. Control System Electrical Components

Dryer Controller System | DY-PLC028-01 (Touch Screen) | DEMARGO | 1 set

Power Supply | LRS75-24 | Mean Well | 1 pc

Solenoid Valve | DY-DCFT001 | DEMARGO | 2 sets

1.7. Instruments & Meters

Compressed Air Outlet Pressure Gauge | YZ60-16 bar | DEMARGO | 2 pcs | Zhejiang, China

Dew Point Analyzer | PDP series +40□-60°C | SUTO | Optional | Shenzhen, China

Remark

To ensure more stable product performance, our company reserves the right to freely replace components in the configuration list with more stable parts of other brands or models without prior notice.

The actual product shall prevail.

Core Application & Industries

Core Purpose

Provide clean, dry, low-dew-point compressed air for industrial pneumatic systems, effectively removing moisture, oil and impurities to ensure stable operation of pneumatic equipment.

Application Industries

Laser cutting & laser welding industry

Electronics & electrical manufacturing

Pharmaceutical & food processing

Precision machinery & automation equipment

Packaging & printing industry

General industrial compressed air systems

MX Series Heatless Dryer Specifications

Model	Capacity (@7bar, 35C)			Dimensions			Connection Size (Inch G)	Weight (KG)
	m³/min	m³/h	cfm	(L/mm)	(W/mm)	(H/mm)		
MXW0696	6.96	417.6	245.69	740	260	1750	G1-1/2	178
MXW0875	8.75	525	308.88	865	260	1750	G1-1/2	216
MXW1063	10.63	637.8	375.24	990	260	1750	G2	254
MXW1276	12.76	765.6	450.43	1115	260	1750	G2	272
MXW1428	14.28	856.8	504.08	1240	260	1750	G2	310
MXW1796	17.96	1077.6	633.99	1490	260	1750	G2-1/2	386
MXW2088	20.88	1252.8	737.06	1615	260	1750	G2-1/2	462
MXW2465	24.65	1479	870.15	1130	520	1750	G2-1/2	560
MXW2853	28.53	1711.8	1007.11	1255	520	1750	G3	636
MXW3462	34.62	2077.2	1222.09	1380	520	1750	G3	714
MXW3836	38.36	2301.6	1354.11	1505	520	1750	G3	792
MXW4258	42.58	2554.8	1503.07	1630	520	1750	DN100	870
MXW4680	46.8	2808	1652	1755	520	1750	DN100	948
MXW5100	51	3060	1800.3	1880	520	1750	DN100	1026
MXW5650	56.5	3390	1994.45	1530	1340	1910	DN100	1258
MXW6580	65.8	3948	2322.74	1655	1340	1910	DN125	1398
MXW7350	73.5	4410	2594.55	1780	1340	1910	DN125	1528
MXW8300	83	4980	2929.9	1905	1340	1910	DN125	1678

MX Series Heated Purge Dryer Specifications

Model	Capacity (@7bar, 35C)			Dimensions			Heating Power	Connection Size	Weight
	m³/min	m³/h	cfm	(L/mm)	(W/mm)	(H/mm)	(KW)	(Inch G)	(KG)
MXD0696	6.96	417.6	245.69	740	260	1750	0.8	G1-1/2	178
MXD0875	8.75	525	308.88	865	260	1750	1	G1-1/2	216
MXD1063	10.63	637.8	375.24	990	260	1750	1	G2	254
MXD1276	12.76	765.6	450.43	1115	260	1750	1.2	G2	272
MXD1428	14.28	856.8	504.08	1240	260	1750	1.4	G2	310
MXD1796	17.96	1077.6	633.99	1490	260	1750	1.6	G2-1/2	386
MXD2088	20.88	1252.8	737.06	1615	260	1750	2	G2-1/2	462
MXD2465	24.65	1479	870.15	1130	520	1750	2.4	G2-1/2	560
MXD2853	28.53	1711.8	1007.11	1255	520	1750	2.8	G3	636
MXD3462	34.62	2077.2	1222.09	1380	520	1750	3.2	G3	714
MXD3836	38.36	2301.6	1354.11	1505	520	1750	3.6	G3	792
MXD4258	42.58	2554.8	1503.07	1630	520	1750	4	DN100	870
MXD4680	46.8	2808	1652	1755	520	1750	4.4	DN100	948
MXD5100	51	3060	1800.3	1880	520	1750	4.8	DN100	1026
MXD5650	56.5	3390	1994.45	1530	1340	1910	5.6	DN100	1258
MXD6580	65.8	3948	2322.74	1655	1340	1910	6.4	DN125	1398
MXD7350	73.5	4410	2594.55	1780	1340	1910	7.2	DN125	1528
MXD8300	83	4980	2929.9	1905	1340	1910	8	DN125	1678

Demargo (Shanghai) Energy Saving Technology Co., Ltd.

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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