Demargo

Compressed Gas Purification System

Manufacturer of Total Solutions

Environmental protection | Energy Saving | High Efficiency | Innovation



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

Demargo (Zhejiang) Gas Purification Equipment Co., Ltd.



Shanghai Base


Zhejiang Base

ABOUT DEMARGO

Demargo (Shanghai) Energy Saving Technology Co., Ltd. specializes in the R&D and manufacturing of gas purification equipment and is committed to promoting the high-quality development of the gas purification industry. The company holds multiple product patents and has obtained QS certification, ISO 9001 Quality Management System certification, ISO 14001 Environmental Management System certification, and ISO 45001 Occupational Health and Safety Management System certification. It has also received several honors, including recognition as a National High-Tech Enterprise and a Specialized and Sophisticated Enterprise. We are dedicated to providing customers with high-quality products and comprehensive pre-sales and after-sales services.

Our main products include refrigerated air dryers, adsorption air dryers, combined air dryers, zero-air-loss blower-heated adsorption dryers, compression-heat-regenerated adsorption dryers, carbon dioxide purification systems, and specialized gas drying equipment for natural gas, hydrogen, and other gases. We also manufacture a wide range of related products, including filters, self-cleaning air filters, compressed air precooling units, low-temperature high-pressure nitrogen precooling units, industrial chillers, oil-water separators, high-efficiency oil removal filters, and aftercoolers.

To meet diverse customer requirements, we offer compressed air purification equipment in various specifications and configurations, including air-cooled, water-cooled, standard, fluorine-free, high-temperature, instrument-controlled, microcontroller-controlled, programmable logic controller (PLC)-controlled, industrial computer-controlled, variable-frequency-controlled, high-pressure, and explosion-proof models. Our products offer dew points ranging from -23°C to -70°C, processing capacities from 1 to 1,200 Nm^3/min, outlet oil content ranging from 10 ppm to 0.003 ppm, and outlet particle sizes ranging from 3 μm to 0.01 μm.

The company possesses strong capabilities in product R&D, engineering design, and manufacturing. By integrating advanced technologies from China and abroad with continuous optimization and innovation tailored to actual operating conditions in China, we have developed the “Demargo” brand of air purification equipment. Our products are ideal complementary solutions for air intake filtration and gas purification in systems equipped with both oil-injected and oil-free air compressors.

Our products are widely used across numerous industries, including power generation, shipbuilding, aerospace, electronics, metallurgy, machinery, automotive manufacturing, petroleum, chemicals, textiles, chemical fibers, light industry, papermaking, rubber, instrumentation, food processing, air separation, tobacco, pharmaceuticals, biotechnology, and personal care and household chemicals. Our products are sold in more than 30 provinces and cities across China and have been successfully exported as complete equipment packages to Brazil, Australia, Iran, India, Sudan, Indonesia, Vietnam, Saudi Arabia, and other countries and regions across Southeast Asia, the Middle East, Central Asia, Africa, Europe, and the Americas. Our equipment has also played an important role in numerous major national projects.

Guided by our corporate spirit of “Sincere Dedication and Pursuit of Excellence,” we uphold advanced product design, rigorous quality assurance, and an efficient service network. Through technological innovation, quality excellence, and outstanding service, we are committed to becoming a globally trusted supplier of high-quality clean and dry gas solutions.

CORPORATE CULTURE

Mission:

One-stop solution for gas drying challenges, supplying clean & dry gas purification solutions to global clients.

Vision:

To be a world-leading manufacturer brand of gas purification equipment.

Values:

Customer First, Teamwork, Positivity, Embrace Change, Integrity, Gratitude & Dedication, Result Focus.



CATALOGUE

Company Profile 01

- Company History 02
- Demargo Advantages 03
- Qualification Certificates 04

Product Classification 05

- DC Inverter Refrigerated Air Dryer 09
- Energy-saving Plate Exchange Refrigerated Air Dryer 11
- Low Purge Loss Blower-Heated Desiccant Air Dryer 15
- Zero Purge Loss Blower-Heated Desiccant Air Dryer 17
- Low Purge Loss Compression Heat Desiccant Air Dryer 21
- Zero Purge Loss Compression Heat Desiccant Air Dryer 23
- Air-cooled Refrigerated Air Dryer 27
- Water-cooled Refrigerated Air Dryer 29
- Heatless Regenerative Desiccant Air Dryer 33
- Micro-Heat Regenerative Desiccant Air Dryer 35
- Heatless Combined Compressed Air Dryer 39
- Heated Combined Compressed Air Dryer 41
- Modular Core Desiccant Air Dryer 45
- Modular Desiccant Air Dryer 49
- Explosion-proof Air Dryer 53
- Compressed Air Filter 57
- Stainless Steel Compressed Air Filter 61
- High Efficiency Oil Remover 66
- LS Oil Water Separator 66
- Condensate Oil Water Separator 66
- Oil Water Separator 66
- Drain Valve 69

DEVELOPMENT HISTORY



Strive for Excellence • Build the Future Together »

2009 / 2012 — Launching the Business

Established a trading company, followed by the founding of Shanghai Xinliang Industrial Co., Ltd. three years later.



2013 / 2014 — Product Upgrades

Established dedicated production lines to ensure consistent product quality.



2015 — Reform and Innovation

The company' s first energy-efficient adsorption air dryer rolled off the production line.



2017 — Brand Upgrade

The Demargo brand was established in Jinshan, Shanghai.



2020 — Quality Assurance

Awarded Intellectual Property Management System and ISO 9001 Quality Management System Certifications.



2022 — Enhanced Corporate Credibility

Recognized as an AAA-Rated Credit Enterprise.



2023 — Strength Built on Excellence

National High-Tech Enterprise
Shanghai Specialized and Sophisticated Enterprise



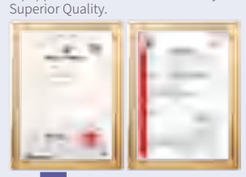
2024 / 2025 — Expansion and a New Beginning

Relocated to a New Facility in Zhejiang.



2026 — Leading the Future

Upgrading Equipment to Drive New Growth! Equipped with Advanced Machinery to Deliver Superior Quality.



ADVANTAGES

1. High Product Reliability

Strict quality control and long-term durability testing ensure stable operation under all operating conditions.

2. Superior Service Support

Full-process service from model selection to after-sales support, with fast response and comprehensive support.

3. Strong Customisation Capability

Flexible response to different operating conditions, with tailor-made, high-efficiency and energy-saving system solutions.

4. Easy Maintenance

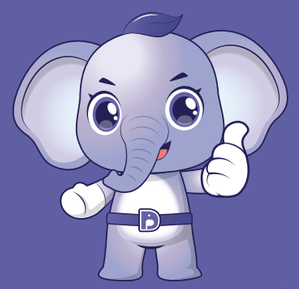
Modular design and simple construction make maintenance fast and time-saving, for more worry-free operation.

5. Product Innovation

Continuous R&D and technology upgrades, delivering a steady stream of high-efficiency, energy-saving and intelligent new products.

6. High Industry Recognition

Market trust earned through proven capability, with wide application across many industries and an outstanding reputation.



Demargo®

Certificates & Qualifications



Compressed Gas Purification System Manufacturer of Total Solutions

Environmental protection Energy Saving High Efficiency Innovation

Demargo Energy-Efficient Compressed Gas Purification Equipment

Customized Solutions · High Energy Efficiency
For clean air · choose Demargo

Energy-Efficient Refrigerated Air Dryers



BP Series DC Inverter Refrigerated Air Dryer

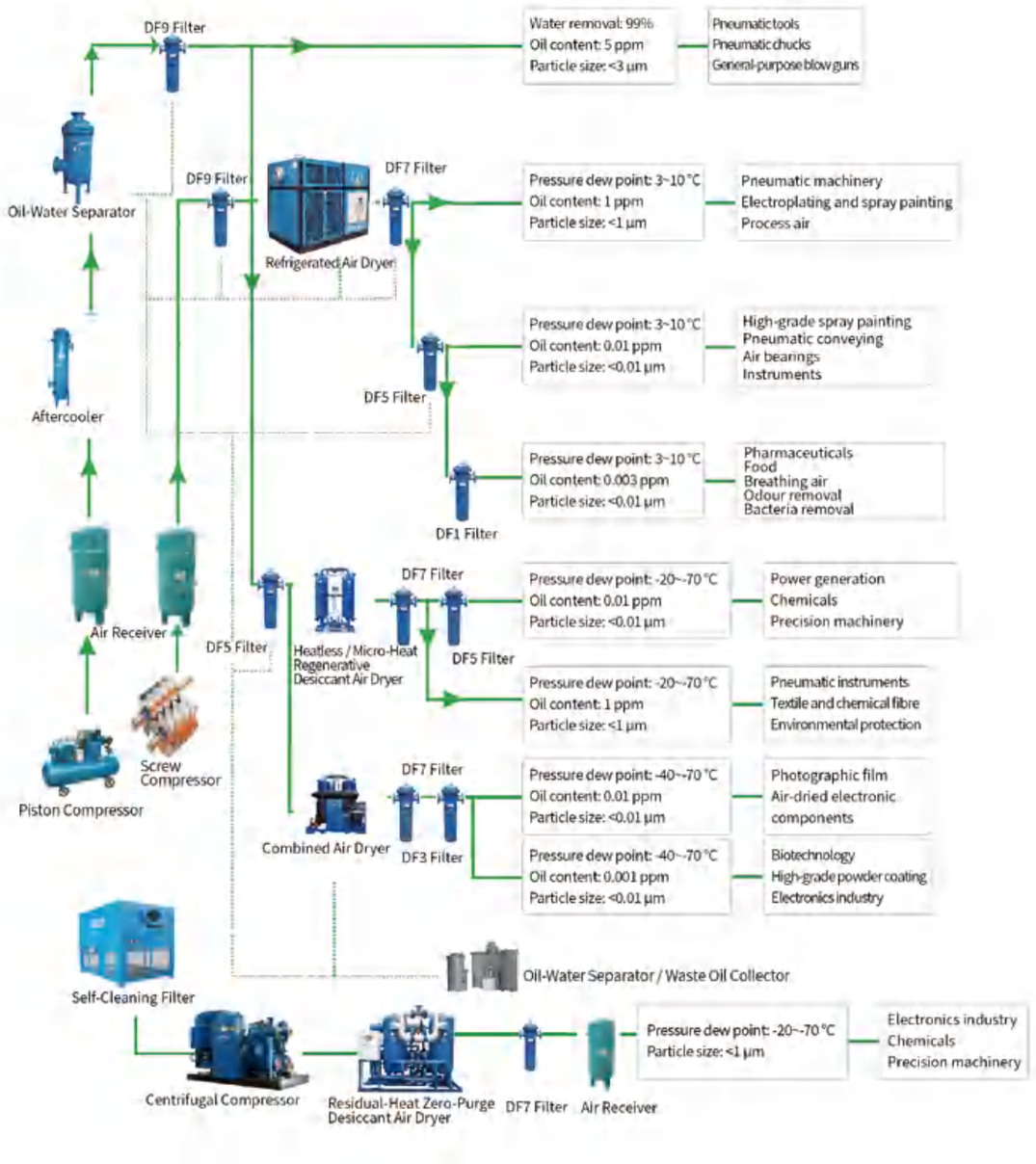
1~500Nm³/min



APF Series Energy-Efficient Plate Heat Exchanger Refrigerated Air Dryers

1~500Nm³/min

Compressed Gas System Configuration Diagram



Dryer Model-Selection Correction

Actual operating conditions may differ from the design conditions in this catalogue. When selecting a model, choose the appropriate correction factors for the actual conditions and correct the equipment capacity accordingly.

Correction factors for refrigerated dryer selection

Inlet temperature correction factor								
Inlet temperature (°C)	Standard N type	25	30	35	40	45	50	55
	High-temperature H type	50	55	60	65	70	75	80
Correction factor A		1.15	1.1	1.05	1	1	0.85	0.6
Working pressure correction factor								
Working pressure (MPa)		0.4	0.5	0.6	0.7	0.8	0.9	1.0
Correction factor B		0.67	0.78	0.92	1	1	1	1
Ambient temperature correction factor								
Ambient temperature (°C)	Air-cooled	25	30	32	35	38	40	45
Correction factor C		1.15	1.1	1.05	1	1	0.9	0.8
Cooling water temperature (°C)	Water-cooled	30	32	34	37	-	-	-
Correction factor C		1	0.9	0.8	0.65	-	-	-

Dew-point correction factor					
Dew point required (°C)	0	3	5	7	10
Correction factor D	0.7	0.8	0.85	0.92	1

Design conditions:
working pressure 7 bar, inlet temperature 45 °C, ambient temperature 38 °C.

Correction factors for desiccant dryer selection

Inlet temperature correction factor										
Inlet temperature (°C)	25		30		35		40		45	50
Correction factor A	1		1		1		0.97		0.88	0.7
Working pressure correction factor										
Working pressure (MPa)	0.4	0.5	0.6	0.7	0.8	0.9	1.0	-	-	-
Correction factor B	0.67	0.75	0.88	1	1	1	1	-	-	-

Dew-point correction factor				
Dew-point temperature (°C)	-20	-40	-60	-70
Correction factor C	1.1	1	0.6	0.5

Design conditions:
working pressure 7–10 bar, inlet temperature 38 °C, dew-point temperature -40 °C, with a refrigerated air dryer upstream.

Compressed Air Quality Classes — ISO 8573-1:2010

Quality class	Solid particles			Water		Oil
	solid particle content per cubic metre			pressure dew point		concentration
	0.1~0.5μm	0.5~1.0μm	1.0~5.0μm	℃	°F	mg/m³
0	Custom-made to customer requirement or a standard higher than Class 1					
1	⩽20 000	⩽400	⩽10	⩽-70	⩽-94	⩽0.01
2	⩽400 000	⩽6 000	⩽100	⩽-40	⩽-40	⩽0.1
3	-	⩽90 000	⩽1 000	⩽-20	⩽-4	⩽1
4	-	-	⩽10 000	⩽3	⩽37.4	⩽5
5	-	-	⩽100 000	⩽7	⩽44.6	-
6	⩽5mg/m³			⩽10	⩽50	-

Demargo

BP Series
DC Inverter Refrigerated Air Dryer

High Efficiency, Energy Saving

Energy-Saving, Low Pressure Drop

Air Exchanger, Evaporator & Moisture Separator in One Unit

Intelligent Variable Frequency, Precise Dew-Point Control

Product Features

Intelligent Inverter Control — Automatic Cooling Capacity Adjustment Based on Load

Equipped with an inverter compressor and an intelligent control system, the unit automatically adjusts compressor speed in real time according to inlet airflow and dew point conditions. It avoids frequent start-stop cycles while maintaining a stable dew point. Energy savings of 35–50%, with particularly significant benefits under partial-load conditions.

Stable Low Dew Point — Precise Cooling Capacity Control for Superior Drying Performance

High-precision dew point control with minimal fluctuations ensures stable outlet air dew point over extended periods, preventing overcooling and moisture reabsorption. This helps ensure reliable operation of downstream equipment and extends the service life of pneumatic components.

Smooth and Reliable Operation — Reduced Mechanical Stress and Extended Service Life

The inverter refrigerated air dryer features soft-start technology and smooth speed regulation, resulting in low starting current and shock-free operation. This significantly reduces stress on the power grid and compressor components.
By minimizing mechanical wear caused by frequent start-stop cycles, the unit operates more smoothly and quietly, with a longer service life and lower maintenance costs.



Operating Conditions

Rated Inlet Temperature	⩽45°C
Cooling Method	Air-Cooled / Water-Cooled (Optional)
Inlet Pressure	0.6~1.0MPa
Pressure Drop	⩽0.03MPa
Pressure Dew Point	2~10°C
Refrigerant	R410A
Ambient Temperature	⩽38°C

Machine Configuration


Smart Touch Screen


Aluminium Plate-Fin Three-in-One Heat Exchanger


Air-Cooled Condenser / Water-Cooled Condenser


Branded Variable-Frequency Compressor

Variable-Frequency Refrigerated Air Dryer Technical Specifications

Model	Capacity		Refrigerant	Power Supply	Rated Power	Inlet/Outlet Connection		Overall Dimensions(mm)			Net Weight	
	Nm^3/min	CFM		V/Hz	kW	MM	INCH	Length	Width	Height	KG	lbs
DM150APF-BP	17	600	R410A	380/50	2.9	DN65	G2.5"	1380*1150*1410			160	352
DM150APW-BP	17	600	R410A	380/50	2.5	DN65	G2.5"	1380*1150*1410			180	396
DM200APF-BP	20	706	R410A	380/50	4.6	DN80	G2.5"	1630*1150*1550			180	396
DM200APW-BP	20	706	R410A	380/50	3.8	DN80	G2.5"	1630*1150*1400			200	440
DM250APF-BP	25	883	R410A	380/50	5.5	DN80	G3"	1630*1150*1550			210	462
DM250APW-BP	25	883	R410A	380/50	4.6	DN80	G3"	1630*1150*1400			230	506
DM350APF-BP	35	1236	R410A	380/50	6.7	DN80	-	1680*1150*1750			340	748
DM350APW-BP	35	1236	R410A	380/50	5.8	DN80	-	1680*1150*1600			360	792
DM400APF-BP	40	1412	R410A	380/50	10.4	DN100	-	1850*1150*1750			460	1012
DM400APW-BP	40	1412	R410A	380/50	9.3	DN100	-	1850*1150*1600			480	1056
DM500APF-BP	50	1766	R410A	380/50	10.4	DN100	-	1850*1150*1750			490	1078
DM500APW-BP	50	1766	R410A	380/50	9.3	DN100	-	1850*1150*1600			510	1122
DM600APF-BP	60	2119	R410A	380/50	12	DN125	-	1950*1350*1750			730	1606
DM600APW-BP	60	2119	R410A	380/50	10.8	DN125	-	1950*1350*1600			750	1650
DM750APF-BP	75	2648	R410A	380/50	13.56	DN125	-	1950*1350*1750			760	1672
DM750APW-BP	75	2648	R410A	380/50	11.84	DN125	-	1950*1350*1600			780	1716
DM800APF-BP	80	2825	R410A	380/50	15.32	DN125	-	2100*1600*1800			820	1804
DM800APW-BP	80	2825	R410A	380/50	13.6	DN125	-	2100*1600*1650			840	1848
DM1000APF-BP	100	3531	R410A	380/50	20.27	DN150	-	2100*1600*1800			950	2090
DM1000APW-BP	100	3531	R410A	380/50	18.55	DN150	-	2100*1600*1650			980	2156
DM1200APF-BP	125	4414	R410A	380/50	24.93	DN150	-	2600*1700*1800			1100	2420
DM1200APW-BP	125	4414	R410A	380/50	22.73	DN150	-	2600*1400*1650			1130	2486
DM1500APF-BP	150	5297	R410A	380/50	29.8	DN200	-	2600*1700*1800			1200	2640
DM1500APW-BP	150	5297	R410A	380/50	27.6	DN200	-	2600*1400*1650			1230	2706

Note: For larger flow rates, higher pressures, or non-standard requirements, please contact the manufacturer.

Demargo

APF Series
Energy-Saving Plate Heat Exchanger Refrigerated Air Dryer

High Efficiency, Energy Saving

Energy-Saving, Low Pressure Drop

Air Exchanger, Evaporator & Moisture Separator in One Unit

Intelligent Variable Frequency, Precise Dew-Point Control

Product Features

New materials with high thermal conductivity and corrosion resistance

The materials of the whole unit have been comprehensively upgraded, featuring advanced materials such as aluminium-alloy composite material, aluminium-magnesium alloy fins and graphene coating, combining ultra-high thermal conductivity with strong corrosion resistance and greatly improving heat-exchange efficiency.

Lower, more stable outlet dew point

The outlet pressure dew point is stably controlled within 2–5 °C with minimal fluctuation, continuously delivering a dry, clean air supply — a perfect match for demanding air-supply applications such as electronics, spraying, precision machining and chemicals.

Intelligent temperature control works with the high-efficiency heat-exchange cycle, significantly raising the unit's overall COP

Compared with conventional models, it saves 15%–30% of electricity directly; under continuous-production conditions, the additional cost of the equipment upgrade is paid back within a short period — "one investment, long-term savings".



Operating Conditions

Rated Inlet Temperature	⩽45°C
Cooling Method	Air-Cooled / Water-Cooled (Optional)
Inlet Pressure	0.6~1.0MPa
Pressure Drop	⩽0.03MPa
Pressure Dew Point	2~10°C
Refrigerant	R134A/R410A/R407C
Ambient Temperature	⩽38°C

Machine Configuration


High-airflow branded fan


Aluminium plate-fin three-in-one heat exchanger


Microchannel Condenser


Branded Compressor

Plate-Heat-Exchanger Refrigerated Air Dryer Technical Specifications

Model	Capacity		Refrigerant	Power Supply	Rated Power	Inlet/Outlet Connection		Overall Dimensions (mm)			Max. Working Pressure			Net Weight	
	Nm^3/min	CFM		V/Hz	kW	MM	INCH	Length	Width	Height	MPa	PSI	Bar	KG	lbs
DM015APF	1.5	52	R134A	220/50	0.67	-	G1"	450*470*765			1.6	232.06	16	40	88
DM026APF	2.6	91	R410A	220/50	0.73	-	G1"	500*520*745			1.6	232.06	16	45	99
DM038APF	3.8	134	R410A	220/50	1.12	-	G1-½"	500*520*885			1.6	232.06	16	55	121
DM065APF	6.5	229	R410A	220/50	1.5	-	G1-½"	500*520*885			1.6	232.06	16	65	143
DM085APF	8.5	300	R410A	220/50	2.0	-	G1-½"	600*570*895			1.6	232.06	16	80	176
DM110APF	11.5	406	R410A	220/50	2.4	-	G2"	650*570*975			1.6	232.06	16	86	189
DM138APF	13.5	476	R410A	220/50	2.4	-	G2"	650*570*975			1.6	232.06	16	86	189
DM150APF	17	600	R410A	380/50	2.9	DN65	G2.5"	1120*730*1270			1.3	188.55	13	145	319
DM200APF	20	706	R407C	380/50	4.6	DN80	G2.5"	1350*930*1360			1.3	188.55	13	165	363
DM200APW	20	706	R407C	380/50	3.8	DN80	G2.5"	1350*930*1270			1.3	188.55	13	155	341
DM250APF	25	882	R407C	380/50	5.5	DN80	G3"	1350*930*1360			1.3	188.55	13	170	374
DM250APW	25	882	R407C	380/50	4.6	DN80	G3"	1350*930*1270			1.3	188.55	13	180	396
DM350APF	35	1236	R407C	380/50	6.7	DN80	-	1400*1080*1630			1.3	188.55	13	320	704
DM350APW	35	1236	R407C	380/50	5.8	DN80	-	1400*1080*1540			1.3	188.55	13	330	726
DM400APF	40	1412	R407C	380/50	10.4	DN100	-	1700*1080*1700			1.3	188.55	13	420	924
DM400APW	40	1412	R407C	380/50	9.3	DN100	-	1700*1080*1540			1.3	188.55	13	440	968
DM500APF	50	1765	R407C	380/50	10.4	DN100	-	1700*1080*1700			1.3	188.55	13	450	990
DM500APW	50	1765	R407C	380/50	9.3	DN100	-	1700*1080*1540			1.3	188.55	13	480	1056
DM600APF	60	2118	R407C	380/50	13.02	DN125	-	1800*1430*1800			1.3	188.55	13	730	1606
DM600APW	60	2118	R407C	380/50	11.3	DN125	-	1800*1430*1650			1.3	188.55	13	700	1540
DM750APF	75	2648	R407C	380/50	13.56	DN125	-	1800*1430*1800			1.3	188.55	13	780	1716
DM750APW	75	2648	R407C	380/50	11.84	DN125	-	1800*1430*1650			1.3	188.55	13	750	1650
DM800APF	80	2825	R407C	380/50	15.32	DN125	-	2200*1530*1800			1.3	188.55	13	910	2002
DM800APW	80	2825	R407C	380/50	13.6	DN125	-	2200*1530*1650			1.3	188.55	13	880	1936
DM1000APF	100	3531	R407C	380/50	20.27	DN150	-	2200*1530*1800			1.3	188.55	13	1030	2266
DM1000APW	100	3531	R407C	380/50	18.55	DN150	-	2200*1530*1650			1.3	188.55	13	1000	2200
DM1200APF	120	4237	R407C	380/50	24.93	DN150	-	2700*1630*1800			1.3	188.55	13	1100	2420
DM1200APW	120	4237	R407C	380/50	22.73	DN150	-	2700*1630*1650			1.3	188.55	13	1050	2310
DM1500APF	150	5297	R407C	380/50	29.8	DN200	-	2700*1630*1800			1.3	188.55	13	1250	2750
DM1500APW	150	5297	R407C	380/50	27.6	DN200	-	2700*1630*1650			1.3	188.55	13	1200	2640

Note: For larger flow rates, higher pressures, or non-standard requirements, please contact the manufacturer.

Compressed Gas Purification System Manufacturer of Total Solutions

Environmental protection Energy Saving High Efficiency Innovation

demargo

Demargo Energy-Efficient Compressed Gas Purification Equipment

Customized Solutions · High Energy Efficiency
For clean air · choose Demargo

Energy-Efficient Desiccant Air Dryers



GFR Series Low-Purge Blower-Heated Desiccant Air Dryers

6~300 Nm^3/min



GFRZ Series Zero-Purge Blower-Heated Desiccant Air Dryers

6~500 Nm^3/min

GFR Series
Low Purge Loss Blower-Heated Desiccant Air Dryer

Product Features

Low regeneration air consumption

Ambient air drawn in by a high-pressure blower is used as regeneration air; only 1~3% of the dried product compressed air is consumed for cooling. Air consumption is 1/15 that of a heatless regenerative desiccant air dryer and 1/6 that of a micro-heat regenerative dryer.

Stable and reliable operation — interference-resistant, remote-capable

A high-performance PLC acts as the control host; its strong interference immunity ensures smooth operation, and the unit's operating status can be monitored locally or remotely (a communication interface can be provided to the customer).

Layered design

Based on the adsorption characteristics of activated alumina and molecular sieve, our self-developed layering technology first dries the air over activated alumina; after the moisture content is reduced, the air is deep-dried over molecular sieve to achieve low-dew-point air quality.



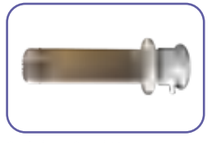
Operating Conditions

Purge air consumption	⩽1~3%
Inlet oil content	⩽0.1mg/m³
Inlet pressure	0.6~1.0MPa
Inlet temperature	⩽45°C
Pressure dew point	-40°C（customizable to -70 °C）
Power supply	380V/50HZ
Standard working cycle	8 hours

Machine Configuration



Quad-core Intelligent Controller



Stainless Steel Heater



Carbon / Stainless Steel Tower



Blower

Low-Purge Blower-Heated Desiccant Air Dryer Technical Specifications

Model	Capacity		Heating Power	Blower Power	Overall Dimensions(mm)			Inlet/Outlet Connection		Weight	
	Nm³/min	CFM	kW	kW	Length	Width	Height	MM	INCH	KG	lbs
DM65GFR	6.5	229	4	1.3	1400	1000	2150	DN40	G1.5"	630	1386
DM85GFR	8.5	300	4	1.3	1400	1000	2150	DN50	G2"	650	1430
DM110GFR	10	353	5	1.3	1500	1100	2250	DN50	G2"	730	1606
DM138GFR	13.8	487	5	1.3	1500	1100	2250	DN50	G2"	850	1870
DM150GFR	17	600	8	1.6	1500	1100	2470	DN65	2.5"	1050	2310
DM200GFR	23	812	8	2.2	1500	1350	2550	DN80	3"	1260	2772
DM250GFR	27	953	10	2.2	1750	1450	2600	DN80	3"	1700	3740
DM300GFR	35	1165	12	4.3	1900	1800	2600	DN80	3"	2000	4400
DM400GFR	45	1589	16	4.3	2000	1800	2650	DN100	4"	2250	4950
DM500GFR	55	1942	25	5.5	2300	1900	2850	DN125	5"	2850	6270
DM600GFR	65	2295	28	7.5	2400	2000	2880	DN125	5"	3550	7810
DM800GFR	85	2825	32	8.5	2600	2075	2980	DN125	5"	4350	9570
DM1000GFR	100	3531	40	12.5	2800	2100	3160	DN150	6"	5150	11330
DM1200GFR	120	4237	48	12.5	3050	2300	3280	DN150	6"	6050	13310
DM1500GFR	150	5297	60	15	3300	2500	3380	DN200	8"	7050	15510
DM1800GFR	180	6356	72	23	3500	2600	3480	DN200	8"	7800	17160
DM2000GFR	200	7062	80	23	3700	2700	3610	DN200	8"	9200	20240
DM2500GFR	250	8828	120	30	3900	2800	3650	DN250	10"	11500	25353
DM3000GFR	300	10594	150	30	4500	3000	3700	DN250	10"	13500	29762

Note: For larger flow rates, higher pressures, or non-standard requirements, please contact the manufacturer.

GFRZ Series
Zero Purge Loss Blower-Heated Desiccant Air Dryer

Product Features

Zero compressed-air consumption, ultimate energy saving

Discarding the traditional approach of regenerating by back-blowing with finished compressed air, the regeneration flow runs as an independent cycle, no longer wasting precious compressed air and reducing the air compressor's load, saving huge energy costs over long-term operation.

Full regeneration, stable low-dew-point output

The independent blower system delivers ample hot-air flow, fully desorbing the moisture deep within the desiccant; closed-loop cooling lowers the bed temperature evenly and keeps the outlet dew point stable.

Optimised flow structure, low pressure-drop design

Based on fluid simulation, the tower and piping layout are optimised with up-and-down bidirectional flow distribution to eliminate air-flow bias; overall pressure

Delaying adsorbent pulverisation, lowering maintenance costs

Pressure-equalising and pressure-relief rates are optimised to smooth the pressure changes inside the tower; uniform air flow reduces friction and breakage between adsorbent particles, extending desiccant service life.

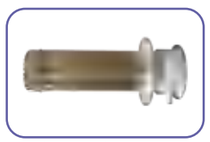


Operating Conditions

Ambient temperature	⩽38°C
Inlet oil content	⩽0.1mg/m³
Inlet pressure	0.6~1.0MPa
Rated / max. inlet temperature	⩽38°C/45°C
Pressure dew point	-40°C (customizable to-70°C)
Power supply	380V/50HZ
Rated pressure	0.7MPa

Machine Configuration


Quad-core Intelligent Controller


Stainless Steel Heater


Carbon / Stainless Steel Tower


Centrifugal Blower

Zero-Purge Blower-Heated Desiccant Air Dryer Technical Specifications

Model	Capacity		Rated Power	H-Series Power	Fan Power	Overall Dimensions (mm)			Inlet/Outlet Connection		Weight	
	Nm³/min	CFM	kW	kW	kW	Length	Width	Height	MM	INCH	KG	lbs
DM150GFRZ	17	600	10	12	2.2	1530	1450	2360	DN65	2.5"	1300	2860
DM200GFRZ	23	812	15	15	4.3	1800	1500	2580	DN80	3"	1430	3153
DM250GFRZ	27	953	18	21	4.3	2100	1800	2600			1980	4365
DM300GFRZ	35	1165	21	24	5.5	2200	1700	2600			2160	4762
DM400GFRZ	45	1589	28	35	7.5	2300	1800	2600	DN100	4"	2550	5610
DM500GFRZ	55	1942	32	40	8.5	2400	1850	2800	DN125	5"	2950	6490
DM600GFRZ	65	2295	45	50	12.5	2400	1850	2800			3680	8113
DM800GFRZ	85	2825	54	70	15	2600	2100	2980			4450	9790
DM1000GFRZ	100	3531	65	80	20	2800	2400	3050	DN150	6"	5200	11440
DM1200GFRZ	120	4237	80	100	23	3000	2500	3250			5800	12787
DM1500GFRZ	150	5297	100	120	23	3200	2800	3400	DN200	8"	6600	14520
DM1800GFRZ	180	6356	120	130	30	3500	3000	3500			8000	17600
DM2000GFRZ	200	7062	130	140	30	4000	3200	3610			9200	20283
DM2500GFRZ	250	8828	170	170	37	4200	3200	3610	DN250	10"	11500	25353
DM3000GFRZ	300	10594	200	260	45	5200	3400	3610	DN250	10"	15000	33000
DM3500GFRZ	350	12360	230	300	60	5200	3400	3610	DN250	10"	17000	37400

Note 1: For larger flow rates, higher pressures, or non-standard requirements, please contact the manufacturer.
Note 2: If no refrigerated air dryer is installed upstream, if the inlet temperature is ⩾38 °C, or if the working pressure, pressure dew point or other parameters are non-standard, please consult the manufacturer for a customised model selection.

Energy-Efficient Desiccant Air Dryers

YR Series Low-Purge Compression Heat Desiccant Air Dryers

20~500Nm³/min





YRZ Series Zero-Purge Compression Heat Desiccant Air Dryers

35~400Nm³/min

Advantages of Compression Heat Desiccant Dryers

Compression heat desiccant dryers are temperature-swing adsorption (TSA) drying equipment, distinct from heatless, micro-heat, and blower purge dryers. They directly use the high-temperature waste heat generated by compressor compression to regenerate the desiccant.
Installation position: upstream of the compressor aftercooler (the hot air enters the dryer first and passes to the cooler for cooling only after regeneration is complete).
Key prerequisite: compressor discharge temperature stable at ⩾110 °C (screw compressors meet this requirement under normal operating conditions of 110–165 °C).

Operating Principle (Two-Tower Alternating Operation)

In the twin-tower design, one tower adsorbs and dries while the other regenerates using compression heat.
The cycle consists of four stages:

1. Heating Regeneration Stage (Core)

High-temperature saturated compressed air discharged from the compressor is fed into the regeneration tower; the hot gas vaporizes and desorbs the moisture held in the desiccant. This stage consumes no dried product gas and discharges no purge air.

2. Cooling Stage

After heating regeneration is complete, the desiccant must be cooled to restore its adsorption capacity. Two model variants are available:

- Zero-air-loss type: closed-loop/external cooling; no dried compressed air is consumed;
- Micro-air-loss type: a small amount of dried product gas is used for cooling purge (air consumption ≈ 1%–2%).

3. Pressure Equalization Stage

The two towers are equalized in pressure to reduce valve-switching shock.

4. Switching

The adsorption tower and regeneration tower swap roles to maintain continuous air supply.
Overall airflow path: Compressor high-temperature discharge → dryer regeneration tower → aftercooler + moisture separator (condensate removed) → adsorption tower drying → clean, dry compressed air delivered to the process

Core Technical Features

Maximum Energy Savings, No External Electric Heater

Compressor waste heat is fully recovered, eliminating the high-power electric heating required by micro-heat and blower purge models. Overall energy consumption is 70%–95% lower than that of micro-heat dryers, delivering a substantial advantage in long-term electricity costs.
Extremely Low Regeneration Air Consumption — Two Mainstream Variants

- Zero-air-loss compression heat model: virtually no compressed air is lost throughout regeneration, maximizing the compressor's effective output.
- Micro-air-loss compression heat model: cooling purge air consumption of only 1%~3%.

For reference: heatless dryers 15%~22%; micro-heat dryers 5%~10%.

Stable Dew Point, High Drying Grade

Under normal operating conditions the pressure dew point is stable at -40 °C; with molecular sieve fill, -60 ~ -70 °C can be achieved, meeting ISO 8573 Class 1 and Class 2 clean air requirements.

Mild Desiccant Operating Conditions, Longer Service Life

Regeneration temperature of 110~160 °C with gentle temperature fluctuation; localized overheating and powdering are avoided, extending the service life of the activated alumina/molecular sieve.

Potential for Optimized System Layout

The compressor's original aftercooler can be eliminated through process integration, simplifying compressor station piping; large units are well suited to continuous operation in centralized compressor stations.

Intelligent Control

PLC sequence control as standard; optional dew-point-linked control, temperature interlock, and remote communication; when compressor discharge temperature is low, an optional auxiliary booster heater ensures regeneration performance.

Low Pressure Drop

Optimized internal flow channels keep overall pressure drop typically ⩽0.02 MPa, reducing compressor load.

YR Series
Low Purge Loss Compression Heat Desiccant Air Dryer

Product Features

Full regeneration
High-temperature thermal desorption plus a small amount of dry-gas cooling purge gives a low residual moisture content in the adsorbent.

More stable dew point
Compared with zero-purge models, it more easily achieves -40 °C or even lower.

High tolerance of operating fluctuations
Under inlet-temperature fluctuations, low load or inverter operation, a small cooling purge can still compensate.

Simple system
Compared with blower-heated models, it has no blower and needs no ambient-air heating system.

Small pressure drop
No blower circuit or complex heat-exchange circuit, so system resistance is low.



Operating Conditions

Regeneration Air Flow	⩽1~3%
Inlet Pressure	0.6~1.0MPa
Inlet Temperature	⩾110~180°C
Pressure Dew Point	-20 ~ -40°C
Power Supply	380V/50HZ
Inlet Oil Content	⩽0.1ppm

Machine Configuration


PLC Intelligent Control Cabinet


Double-Offset High-Temperature Pneumatic Butterfly Valve


Cooler


Stainless Steel Heater

Low-Purge Compression-Heat Desiccant Air Dryer Technical Specifications

Model	Capacity	Cooling Water Circulation Rate	Overall Dimensions (mm)			Air Connection	Weight	
	Nm^3/min	Nm^3/h	Length	Width	Height		KG	lbs
DM400YR	45	15	2100	2494	2691	DN100	3270	7194
DM500YR	55	18	2000	2500	2825	DN125	3700	8140
DM600YR	65	22	2200	2600	2855	DN125	4300	9460
DM800YR	85	30	2200	2750	2831	DN125	4970	10934
DM1000YR	110	36	2300	3590	2935	DN150	5870	12914
DM1200YR	130	42	3650	2680	2972	DN150	6950	15290
DM1500YR	150	50	3520	2630	3247	DN200	8450	18590
DM2000YR	200	65	4120	2830	3600	DN200	10625	23375
DM2500YR	250	80	4220	3067	3643	DN250	14200	31240
DM3000YR	300	100	4200	4238	3578	DN250	17850	39270
DM3500YR	350	115	4600	4350	3600	DN300	19800	43560
DM4000YR	400	130	5030	4543	3633	DN300	22000	48400
DM5000YR	500	160	4330	4950	3780	DN400	28500	62700

Note: For larger flow rates, higher pressures, or non-standard requirements, please contact the manufacturer.

YRZ Series
Zero Purge Loss Compression Heat Desiccant Air Dryer

Product Features

Zero loss of finished product air
All of the compressed air is delivered to the user.

Near-zero operating power consumption
No electric heating and no blower; only the controller and valves draw power.

Heavily dependent on compression heat
Inlet temperature, flow rate and load factor must remain stable.

Dew point highly affected by operating conditions
At low load or with insufficient discharge temperature, the dew point rises.

Usually requires supporting equipment
Aftercooler, moisture separator, dew-point control and, where necessary, electric auxiliary heating.



Operating Conditions

Ambient Temperature	⩽45°C
Inlet Oil Content	⩽0.1mg/m³
Inlet Pressure	0.6~1.0MPa
Inlet Temperature	⩾110~180°C
Pressure Dew Point	-20 ~ -40°C
Power Supply	380V/50HZ
Rated Pressure	0.7MPa

Machine Configuration


PLC Intelligent Control Cabinet


High-Temperature Pneumatic Butterfly Valve


Air Cooler


Stainless Steel Heater

Zero-Purge Compression-Heat Desiccant Air Dryer Technical Specifications

Model	Capacity	Cooling Water Circulation Rate	Overall Dimensions (mm)			Air Connection	Weight	
	Nm³/min	Nm³/h	Length	Width	Height		KG	lbs
DM400YRZ	45	20.5	2560	2000	2759	DN100	3650	8030
DM500YRZ	55	25	2500	2000	2825	DN125	4390	9658
DM600YRZ	65	31	2700	2300	2825	DN125	4850	10670
DM800YRZ	85	41	2750	2600	2821	DN125	5900	12980
DM1000YRZ	100	50	3200	2800	2983	DN150	7600	16720
DM1200YRZ	120	58	3900	2800	3313	DN150	8700	19140
DM1500YRZ	150	69	3720	3500	3227	DN200	10550	23210
DM2000YRZ	200	80	4300	3100	3657	DN200	13100	28820
DM2500YRZ	250	102	4300	3550	3842	DN250	17350	38170
DM3000YRZ	300	122	4725	5317	3759	DN250	21600	47520
DM3500YRZ	350	140	4860	4350	3780	DN300	23970	52734
DM4000YRZ	400	165	5030	4543	3850	DN300	26550	58410
DM5000YRZ	500	220	5540	4800	4175	DN400	34150	75130

Note: For larger flow rates, higher pressures, or non-standard requirements, please contact the manufacturer.

Compressed Gas Purification System Manufacturer of Total Solutions

Environmental protection Energy Saving High Efficiency Innovation

Demargo Energy-Efficient Compressed Gas Purification Equipment

Customized Solutions · High Energy Efficiency

For clean air · choose Demargo

Shell-and-Tube Refrigerated Air Dryers



GF Series Air-Cooled Refrigerated Air Dryers

1~500Nm³/min

GW Series Water-Cooled Refrigerated Air Dryers

13~500Nm³/min



Demargo

GF Series
Air-cooled Refrigerated Air Dryer

Counter-flow cooling design

Customisable zero-purge discharge device

Air exchanger, evaporator and moisture separator combined in one unit

Precisely controlled dew point

Product Features

Stable overall performance
The external-rotor fan delivers more powerful airflow, improving condensation and precooling efficiency so the whole unit runs more stably and reliably.

Superior air-usage environment
The heat exchanger's unique design multiplies heat-exchange efficiency, creating a superior air-usage environment.

High efficiency, long life
The core compressor uses a well-known brand, giving superior refrigeration efficiency and a longer service life.

Reasonable design, small footprint
Novel design with an attractive appearance; compact structure occupying little floor space; well-arranged layout for convenient use and maintenance.



Operating Conditions

Inlet temperature	⩽45/80°C
Cooling method	Air-cooled
Inlet pressure	0.6~1.0MPa
Pressure drop	⩽0.021MPa
Pressure dew point	2~10°C
Refrigerant	R22 (eco-friendly refrigerant optional)
Ambient temperature	⩽38°C

Machine Configuration


Branded Refrigeration Compressor


Copper-Tube Finned Evaporator


Microcomputer Controller


Hot Gas Bypass Valve


Thermal Expansion Valve


Branded Cooling Fan

Air-Cooled Refrigerated Air Dryer Technical Specifications

Model	Capacity		Working Pressure	Pressure Dew Point	Power Supply	Compressor Power		Fan Power	Inlet/Outlet Connection		Overall Dimensions (mm)			Net Weight	
	Nm³/min	CFM	MPa	°C	V/50Hz	kW	HP	W	MM	INCH	Length	Width	Height	KG	lbs
DM015GF	1.5	52	0.6-1.0	2-10	220/50	0.63	0.85	75	Rp1	1"	750	400	700	50	110
DM026GF	2.6	91	0.6-1.0	2-10	220/50	0.75	1	130	Rp1	1"	800	450	730	60	132
DM040GF	4.0	141	0.6-1.0	2-10	220/50	0.93	1.25	130	Rp1.5	1.5"	850	475	800	68	150
DM065GF	6.5	229	0.6-1.0	2-10	220/50	1.3	1.75	180	Rp1.5	1.5"	950	500	880	83	183
DM085GF	8.5	300	0.6-1.0	2-10	220/50	1.49	2	130*2	Rp2	2"	1060	560	983	130	227
DM110GF	11.5	388	0.6-1.0	2-10	380/50	2.24	3	130*2	Rp2	2"	1180	630	1092	153	337
DM138GF	13.8	487	0.6-1.0	2-10	380/50	2.24	3	180*2	Rp2	2"	1180	630	1086	164	362
DM150GF	17	600	0.6-1.0	2-10	380/50	2.98	4	180*2	DN65	2.5"	1240	670	1190	189	417
DM200GF	23	812	0.6-1.0	2-10	380/50	3.73	5	180*2	DN80	3"	1420	790	1340	297	655
DM250GF	27	953	0.6-1.0	2-10	380/50	4.47	6	130*4	DN80	3"	1650	820	1370	360	794
DM300GF	35	1236	0.6-1.0	2-10	380/50	5.22	7	180*4	DN80	3"	1650	820	1370	430	948
DM400GF	45	1589	0.6-1.0	2-10	380/50	7.46	10	180*4	DN100	4"	1830	920	1500	560	1235
DM500GF	55	1942	0.6-1.0	2-10	380/50	8.95	12	180*4	DN125	5"	1980	930	1826	640	1411
DM600GF	65	2295	0.6-1.0	2-10	380/50	8.95	12	250*4	DN125	5"	2080	930	1834	800	1764
DM800GF	85	2825	0.6-1.0	2-10	380/50	14.91	20	250*6	DN125	5"	2580	1380	2025	960	2116
DM1000GF	110	3884	0.6-1.0	2-10	380/50	18.64	25	250*6	DN150	6"	2580	1600	2175	1200	2646
DM1200GF	130	4590	0.6-1.0	2-10	380/50	22.37	30	250*9	DN150	6"	2580	1600	2100	1500	3307
DM1500GF	150	5297	0.6-1.0	2-10	380/50	22.37	30	250*9	DN200	8"	2800	2200	2190	1650	3630

Note: For larger flow rates, higher pressures, or non-standard requirements, please contact the manufacturer.

Demargo

GW Series
Water-cooled Refrigerated Air Dryer

Water-cooled design Suited to harsh operating conditions More stable than air-cooled

Customisable zero-purge discharge device

Thorough gas-liquid separation

Timed drainage

Low dew point

Product Features

Stable overall performance

Constant water temperature and flow ensure the refrigerated dryer's refrigeration system runs stably, reliably and efficiently.

Superior air-usage environment

The cooling water used is industrial softened water; compared with the air-cooled type it better adapts to changes in ambient temperature.

Large heat-exchange capacity

The shell-and-tube water cooler's heat exchange per unit volume is many times greater than that of a finned air cooler, so water-cooled refrigerated dryers are much larger in volume than air-cooled ones.



Operating Conditions

Inlet temperature	⩽45/80°C
Cooling method	Water-cooled
Inlet pressure	0.6~1.0MPa
Pressure drop	⩽0.02MPa
Pressure dew point	2~10°C
Refrigerant	R22 (eco-friendly refrigerant optional)
Cooling water inlet temperature	⩽32°C
Cooling water inlet pressure	0.2~0.4MPa

Machine Configuration



Branded Refrigeration Compressor



Copper-Tube Finned Evaporator



Microcomputer Controller



Hot Gas Bypass Valve



Thermal Expansion Valve



Water-Cooled Condenser

Water-Cooled Refrigerated Air Dryer Technical Specifications

Model	Capacity		Working Pressure			Pressure Dew Point	Power Supply	Compressor Power		Cooling Water Circulation Rate	Cooling water connection	Inlet/Outlet Connection		Overall Dimensions (mm)			Net Weight	
	Nm^3/min	CFM	MPa	PSI	Bar	°C	V/50Hz	kW	HP	t/h		MM	INCH	Length	Width	Height	KG	lbs
DM150GW	17	600	0.7	101.53	7	2-10	380/50	2.98	4	3.5	Rp1.5"	DN65	2.5"	1240	670	1188	180	396
DM200GW	23	812	0.7	101.53	7	2-10	380/50	3.73	5	4	Rp1.5"	DN80	3"	1420	790	1340	280	616
DM250GW	27	953	0.7	101.53	7	2-10	380/50	4.47	6	5	Rp1.5"	DN80	3"	1650	820	1370	350	770
DM300GW	35	1236	0.7	101.53	7	2-10	380/50	5.22	7	5.5	Rp1.5"	DN80	3"	1650	820	1370	420	924
DM400GW	45	1589	0.7	101.53	7	2-10	380/50	7.46	10	8	Rp1.5"	DN100	4"	1830	920	1500	550	1210
DM500GW	55	1942	0.7	101.53	7	2-10	380/50	8.95	12	10	Rp1.5"	DN125	5"	1980	930	1816	670	1474
DM600GW	65	2295	0.7	101.53	7	2-10	380/50	8.95	12	10	Rp1.5"	DN125	5"	2080	930	1834	780	1716
DM800GW	85	3001	0.7	101.53	7	2-10	380/50	14.91	20	16	Rp2"	DN125	5"	2380	1380	2070	1050	2310
DM1000GW	110	3884	0.7	101.53	7	2-10	380/50	18.64	25	19	Rp2"	DN150	6"	2580	1600	2175	1230	2706
DM1200GW	130	4590	0.7	101.53	7	2-10	380/50	22.37	30	24	Rp2.5"	DN150	6"	2580	1500	2000	1300	2860
DM1500GW	150	5297	0.7	101.53	7	2-10	380/50	22.37	30	24	Rp2.5"	DN200	8"	2800	1560	2090	1600	3520
DM1800GW	180	6356	0.7	101.53	7	2-10	380/50	26.1	35	28	Rp2.5"	DN200	8"	2720	1650	2260	1800	3960
DM2000GW	210	7416	0.7	101.53	7	2-10	380/50	29.83	40	31	Rp2.5"	DN200	8"	3450	1725	2380	2300	5060
DM2500GW	250	8828	0.7	101.53	7	2-10	380/50	37.26	50	38	Rp3"	DN250	10"	3700	2070	2650	3500	7700
DM3000GW	300	10594	0.7	101.53	7	2-10	380/50	44.74	60	48	Rp3"	DN250	10"	3800	1980	2580	4300	9460
DM4000GW	400	14125	0.7	101.53	7	2-10	380/50	59.66	80	62	Rp3"	DN300	12"	4200	2150	2670	4800	10560

Note: For larger flow rates, higher pressures, or non-standard requirements, please contact the manufacturer.



WR Series Heatless
Desiccant Air Dryers

1.5~200Nm³/min



MR Series Heated
Desiccant Air Dryers

1.5~400Nm³/min

Features of Desiccant Air Dryers

This product is developed on the basis of absorption of the technology of HANKISON (USA) and ZANDER (Germany) desiccant dryers, with practical and effective design and manufacturing adapted to actual domestic operating conditions, so that users obtain dryers with greater satisfaction and more reliable operation. Thanks to its advanced design, reliable operation, and stable dew point, the Demargo desiccant dryer has been granted multiple national technical patents and conforms to the standards "General-Purpose Compressed Air Desiccant Dryers" and "Controllers for General-Purpose Compressed Air Desiccant Dryers."

1.Stable Outlet Pressure and Dew Point

1.Unique desiccant beads with a diameter of Φ3.0 mm provide a larger active surface area, higher adsorption capacity, greater resistance to crushing, and a longer service life.
2.A 30% desiccant surplus compensates for the natural aging of the desiccant, thereby ensuring a stable pressure dew point.
3.The superior adsorption vessel design references the height-to-diameter ratio of HANKISON (USA) products.

2.Proprietary Layered Technology

Based on the adsorption characteristics of activated alumina and molecular sieve, our in-house developed layered technology lets the air first pass through activated alumina for preliminary drying, reducing its moisture content before deep drying by the molecular sieve.

3.Advanced Flow Distribution Technology

Because existing domestic diffusers essentially all exhibit channeling, our design adopts a high-performance flow distributor of the type used in German ZANDER desiccant dryers, enabling the compressed air to contact the desiccant uniformly and completely eliminating channeling.

4.Reliable Valve Action and Advanced Imported Electrical Components

1.The new model uses high-performance, reliably acting imported butterfly valves with a service life exceeding one million cycles, making the unit more attractive and its performance more reliable.
2.Apart from heatless desiccant dryers, [these components] are supplied as standard configuration, making performance more stable and reliable with stronger interference resistance. Our independently developed PLC controller for desiccant dryers has been granted a national technical patent.

PLC Controller Features (Optional)

1.Equipment operating status can be conveniently configured and networked to enable remote control.
2.Convenient communication functions (serial communication, RS232, RS485).
3.Stable analog signal processing with a low failure rate.
4.Stable electrical system performance.
5.Local/remote selection function.
6.User password management.
7.Convenient I/O point expansion.
8.Easy after-sales service and maintenance.



Blower Purge Desiccant
Dryer Control Cabinet



Heated Purge Desiccant
Dryer Control Cabinet



Heatless Desiccant
Dryer Control Cabinet

Demargo

WR Series Heatless Regenerative Desiccant Air Dryer

Integrated pressure-swing adsorption

Unique layering design

Low air consumption with heating

Low Dew-Point Design

Product Features

Constant dew point
A large-capacity design ensures a stable outlet dew point, accommodating adsorbent ageing and changes in operating load.

High-quality components
Key components use well-known domestic and international brands to ensure continuous, reliable operation.

Integrated skid
Assembled and shipped as a complete unit, making installation simple.

Intelligent control
PLC microprocessor control technology gives the unit an advanced design.



Working Principle

The heatless regenerative desiccant air dryer uses the pressure-swing adsorption principle to achieve drying. During regeneration, part of the dried compressed air is reduced in pressure and used as regeneration gas, flowing through the already-saturated drying tower to carry away the moisture in the adsorbent and discharge it from the unit, restoring the adsorbent's adsorption capacity.

Operating Conditions

Ambient temperature	⩽40°C
Rated inlet temperature	⩽38°C
Desiccant	Activated alumina
Purge air consumption	12~15%
Pressure dew point	-20°C ~ -40°C
Power supply	220V/50HZ
Rated pressure	0.7MPa

Machine Configuration


Intelligent Controller


Pneumatic Butterfly Valve


Filter Regulator


Directional Solenoid Valve

Heatless Regenerative Desiccant Air Dryer Technical Specifications

Model	Capacity		Inlet/Outlet Connection		Overall Dimensions (mm)			Net Weight	
	Nm^3/min	CFM	MM	INCH	Length	Width	Height	KG	lbs
DM15WR	1.5	52	Rp1"	1"	750	550	1450	85	187
DM26WR	2.6	91	Rp1"	1"	750	550	1610	115	254
DM40WR	3.8	134	Rp1.5"	1.5"	1000	700	1568	216	476
DM65WR	6.5	229	Rp1.5"	1.5"	1000	645	1913	258	569
DM85WR	8.5	300	Rp2.0"	2"	1100	700	1910	300	661
DM110WR	11	388	Rp2.0"	2"	1100	700	2050	345	761
DM138WR	13.8	487	Rp2.0"	2"	1200	750	2100	455	1003
DM150WR	17	565	DN65	2.5"	1250	785	2250	530	1168
DM200WR	23	812	DN80	3"	1400	550	2220	680	1496
DM250WR	27	953	DN80	3"	1450	550	2480	780	1716
DM300WR	35	1165	DN80	3"	1500	600	2550	1120	2464
DM400WR	45	1589	DN100	4"	1900	880	2710	1400	3080
DM500WR	55	1942	DN125	5"	1980	1150	2766	1650	3630
DM600WR	65	2295	DN125	5"	1980	1050	2730	1800	3960
DM800WR	85	3001	DN125	5"	2180	1280	2880	2350	5170
DM1000WR	100	3631	DN150	6"	2570	1500	2930	2650	5830
DM1500WR	150	5297	DN150	6"	2800	1800	3170	4070	8954
DM2000WR	200	7062	DN200	8"	2900	2000	3200	5500	12100

Note: For larger flow rates, higher pressures, or non-standard requirements, please contact the manufacturer.

MR Series Micro-Heat Regenerative Desiccant Air Dryer

Integrates the advantages of pressure-swing adsorption and temperature-swing adsorption

Unique layering design

Low air consumption with heating

Low dew-point design

Product Features

Low consumption, energy saving
The product's air consumption rate is as low as about 6%, giving it energy-saving characteristics.

Long-cycle stable operation
Long-cycle switching method, excellent overall machine performance.

Reliable components
The main key components use well-known domestic and international brands, ensuring continuous and reliable operation of the unit.

Efficient elements
Power-density-designed electric heating elements improve the performance of the electric heater.

Temperature-control safety
The electric heater uses temperature-control protection to prevent the heating element from burning out.



Working Principle

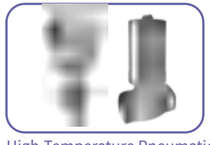
The micro-heat regenerative desiccant air dryer is an energy-saving product designed and developed in-house by our company. Combining the advantages of thermal regeneration and heatless regeneration, it only slightly preheats the purge air, which cuts purge-air consumption and delivers real energy savings. It overcomes the short switching cycle of heatless regenerative dryers and is today one of the most cost-effective desiccant air dryers in the purification industry. It is widely used in metallurgy, power, electronics, food, chemicals, petroleum, pharmaceuticals, tobacco, instrumentation and automatic control.

Operating Conditions

Ambient temperature	⩽38°C
Rated inlet temperature	⩽38°C
Desiccant	Activated alumina / molecular sieve
Purge air consumption	4~6%
Pressure dew point	-40 °C (customizable to -70 °C)
Power supply	220 V/50 Hz or 380 V/50 Hz
Rated pressure	0.7MPa

Machine Configuration


Intelligent Controller


High-Temperature Pneumatic Butterfly Valve


Directional Solenoid Valve


Stainless Steel Heater

Micro-Heat Regenerative Desiccant Air Dryer Technical Specifications

Model	Capacity		Inlet/Outlet Connection		Heating Power	Overall Dimensions (mm)			Net Weight	
	Nm^3/min	CFM	MM	INCH	kW	Length	Width	Height	KG	lbs
DM15MR	1.5	52	G1"	G1"	1.5	750	550	1450	120	265
DM26MR	2.6	91	G1"	G1"	1.5	750	550	1610	135	297
DM40MR	3.8	134	G1.5"	G1.5"	2	1000	700	1568	236	520
DM65MR	6.5	229	G1.5"	G1.5"	3	1000	645	1915	280	617
DM85MR	8.5	300	G2.0"	G2"	3	1100	700	1900	348	767
DM110MR	11	388	G2.0"	G2"	4.5	1100	700	2015	380	838
DM138MR	13.8	487	G2.0"	G2"	4.5	1200	750	2100	510	1124
DM150MR	17	565	DN65	2.5"	5	1250	785	2160	600	1323
DM200MR	23	812	DN80	3"	6	1400	550	2220	717	1581
DM250MR	27	953	DN80	3"	8	1400	550	2480	859	1894
DM300MR	35	1165	DN80	3"	10	1500	600	2550	1100	2425
DM400MR	45	1589	DN100	4"	12	1900	880	2710	1530	3373
DM500MR	55	1942	DN125	5"	15	1980	1050	2730	1800	3960
DM600MR	65	2295	DN125	5"	18	1980	1150	2780	2100	4630
DM800MR	85	3001	DN125	5"	24	2180	1280	2880	2520	5556
DM1000MR	100	3631	DN150	6"	30	2570	1500	2930	3500	7716
DM1200MR	120	4237	DN150	6"	40	2800	1350	2950	4500	9921
DM1500MR	150	5297	DN200	8"	45	2800	1800	3170	5400	11905
DM1800MR	180	6356	DN200	8"	60	3000	1880	3330	5800	12787
DM2000MR	200	7062	DN200	8"	60	2900	2000	3200	5800	12787
DM2500MR	250	8828	DN250	10"	75	3600	2300	3500	7500	16500
DM3000MR	300	10594	DN250	10"	90	4000	2500	3750	9030	19866
DM3500MR	350	12360	DN250	10"	105	4000	2900	3900	10500	23100
DM4000MR	400	14125	DN300	12"	110	5000	3500	3600	12000	26400

Note: For larger flow rates, higher pressures, or non-standard requirements, please contact the manufacturer.

Combined Refrigerated and Desiccant Air Dryers



ZH Series Intelligent Combined Air Dryers

Refrigerated Air Dryer + Desiccant Air Dryer



ZH Series Intelligent Combined Air Dryers

Refrigerated Air Dryer + Desiccant Air Dryer



ZH Series Intelligent Combined Air Dryers

Refrigerated Air Dryer + Desiccant Air Dryer

Advantages of Combined Compressed Air Dryers

Combined low-dew-point dryers are built by connecting a refrigerated dryer with a desiccant (heatless or heated) dryer through properly designed piping and matched volumetric capacity. The refrigerated dryer has exceptionally strong moisture-removal capability, low operating energy consumption and no air loss; combined with the low dew point characteristic of the desiccant dryer, this gives maximum play to the advantages of both. Before the compressed air enters the desiccant dryer, it is pre-treated by the refrigerated dryer so that the bulk of the moisture is removed first; it then passes into the desiccant dryer for deep drying, reaching a very low pressure dew point of down to -70 °C. The powerful moisture-removal capability of the refrigerated dryer greatly reduces the water load on the desiccant tower: after refrigeration drying, the moisture entering the adsorption tower is about 20% of that in a conventional dryer, and with other conditions unchanged, the low-dew-point dry air available for absorbing water vapor can be reduced by a similar proportion. In other words, the regeneration air volume is about 1/5 that of a conventional desiccant dryer, which genuinely creates the conditions for reducing regeneration energy consumption — in particular for saving the energy consumed in regeneration. The result is the optimum economic operating point together with high-quality, low-dew-point product air.

1.Fully Integrated

The refrigerated dryer, desiccant dryer and filters are integrated into a single unit with a compact structure, making installation and operation convenient.

2.Efficient Drying

Excellent drying performance, low dew point and low regeneration air consumption.

3.Durable and Energy-Efficient

Dryer service life can be extended by more than three times, saving maintenance costs.

4.Intelligent Automatic Control

Advanced single-chip microcomputer control technology provides fully automated operation and control.



Operating Principle

The process flow of the combination compressed air dryer is shown in the diagram on the left. The hot, humid air from the compressor first exchanges heat with the cold air leaving the evaporator in the precooler, where its temperature drops and preliminary moisture removal takes place. The air then enters the evaporator to exchange heat with the refrigerant, and its temperature is further reduced to 2–10 °C. At this temperature, most of the moisture in the air condenses into liquid, is discharged through the drain, and relatively dry air is obtained. Leaving the evaporator, this air passes to the precooler to exchange heat with the hot, humid air from the compressor, recovering cooling capacity while its own temperature rises. The compressed air leaving the refrigeration unit then enters the high-efficiency oil remover to eliminate oil and impurities, and proceeds to the adsorption unit for further deep drying. The compressed air, now at a lower dew point, passes through the precision filter to remove solid particles before entering the downstream process.

ZH Series
Combined Compressed Air Dryer

Product Features

Stable ultra-low dew point, constant dry-air quality
The unit uses an optimised adsorption process that maintains a stable outlet dew point over the long term and delivers a lower pressure dew point with minimal fluctuation, unaffected by fluctuations in air demand.

Large desiccant filling chamber for more thorough moisture adsorption

Low regeneration purge-air consumption, long-term energy savings
Backed by optimised airflow circulation and regeneration structure, regeneration purge-air consumption is kept well below the industry average, greatly reducing compressed-air loss during regeneration compared with conventional dryers.

Extended desiccant service life, lower consumable replacement cost
Coupling a uniform air-distribution structure with high-quality desiccant media greatly reduces the abrasion and pulverisation of the desiccant, effectively extending its overall service life and cutting the downtime and consumable purchase costs of frequent media replacement, so long-term O&M investment is lower.



Operating Conditions

Inlet pressure	0.6~1.0MPa
Product air pressure dew point	-40 °C (customizable to -70 °C)
Pressure drop	⩽0.05MPa
Ambient temperature	⩽32°C
Air inlet temperature	⩽45°C
Regeneration air flow	3~5%
Refrigerated dryer: air-cooled / water-cooled	(optional)

Machine Configuration


Intelligent Controller


Directional Solenoid Valve


Stainless Steel Heater


High-Efficiency Exhaust Silencer System

Air-Cooled Heatless Combined Technical Specifications

Model	Capacity		Power Supply	Compressor Power		Air Volume	Inlet/Outlet Connection		Desiccant Weight	Overall Dimensions (mm)			Net Weight	
	Nm³/min	CFM		kW	HP	Nm³/min	MM	INCH	KG	Length	Width	Height	KG	lbs
DM15ZHWR-F	1.5	52	220V/ 50Hz/ 1ph	0.6	0.85	1900	Rp1"	1"	29	980	750	1487	155	341
DM26ZHWR-F	2.6	91		0.7	1	1900	Rp1"	1"	33	980	800	1687	195	429
DM40ZHWR-F	3.8	134		0.9	1.25	2980	Rp1.5"	1.5"	76	1200	1000	1530	304	668
DM65ZHWR-F	6.5	229		1.3	1.75	3900	Rp1.5"	1.5"	110	1100	950	2030	361	794
DM85ZHWR-F	8.5	300		1.5	2	5960	Rp2"	2"	140	1460	1100	1965	450	990
DM110ZHWR-F	11.5	406		2.2	3	5960	Rp2"	2"	160	1460	1180	2050	518	1139
DM138ZHWR-F	13.5	476		2.2	3	7800	Rp2"	2"	210	1680	1180	2140	639	1405
DM150ZHWR-F	17	600		3	4	7800	DN65	2.5"	250	1800	1240	2150	739	1625
DM200ZHWR-F	23	812		3.7	5	7800	DN80	3"	350	1800	1240	2220	997	2193
DM250ZHWR-F	27	953		4.5	6	11960	DN80	3"	410	1900	1650	2480	1180	2596
DM300ZHWR-F	35	1200		5.2	7	15600	DN80	3"	510	2050	1650	2430	1590	3498
DM400ZHWR-F	45	1589		7.5	10	15600	DN100	4"	750	2480	1830	2690	2010	4422
DM500ZHWR-F	55	1942		8.9	12	15600	DN125	5"	880	2580	1980	2710	2330	5126
DM600ZHWR-F	65	2366		8.9	12	20000	DN125	5"	1030	2520	2080	2930	2650	5830

Water-Cooled Heatless Combined Technical Specifications

Model	Capacity		Power Supply	Compressor Power		Inlet/Outlet Connection		Cooling Water Port Size	Overall Dimensions (mm)			Net Weight	
	Nm³/min	CFM		kW	HP	MM	INCH		Length	Width	Height	KG	lbs
DM150ZHWR-W	17	600	220V/ 50Hz/ 1ph	3	4	DN65	2.5"	Rp 1.5"	1800	1240	2150	730	1606
DM200ZHWR-W	23	812		3.7	5	DN80	3"		1800	1240	2220	980	2156
DM250ZHWR-W	27	953		4.5	6				1900	1650	2480	1150	2530
DM300ZHWR-W	35	1201		5.2	7				2050	1650	2430	1560	3432
DM400ZHWR-W	45	1589		7.5	10	DN100	4"		2480	1830	2690	1970	4334
DM500ZHWR-W	55	1942		8.9	12	DN125	5"		2580	1980	2710	2340	5148
DM600ZHWR-W	65	2366		8.9	12				2520	2080	2930	2600	5720

Air-Cooled Micro-Heat Combined Technical Specifications

Model	Capacity		Power Supply	Compressor Power		Heating Power	Fan Power	Inlet/Outlet Connection		Desiccant Weight	Overall Dimensions (mm)			Net Weight	
	Nm³/min	CFM		kW	HP	kW	kW	MM	INCH	KG	Length	Width	Height	KG	lbs
DM15ZHMR-F	1.5	52	220V/ 50Hz/ 1ph	0.6	0.85	1.5	75	Rp1"	1"	29	980	750	1487	190	418
DM26ZHMR-F	2.6	91		0.7	1	1.5	130	Rp1"	1"	33	980	800	1687	215	473
DM40ZHMR-F	3.8	134		0.9	1.25	2	130	Rp1.5"	1.5"	76	1200	1000	1530	324	712
DM65ZHMR-F	6.5	229	380V/ 50Hz/ 3ph	1.3	1.75	3	180	Rp1.5"	1.5"	110	1100	950	2030	383	842
DM85ZHMR-F	8.5	300		1.5	2	3	130*2	Rp2"	2"	140	1460	1100	1960	498	1095
DM110ZHMR-F	11.5	406		2.2	3	4.5	130*2	Rp2"	2"	160	1460	1180	2050	553	1216
DM138ZHMR-F	13.5	476		2.2	3	4.5	180*2	Rp2"	2"	210	1680	1180	2140	694	1526
DM150ZHMR-F	17	600		3	4	5	180*2	DN65	2.5"	250	1800	1240	2150	809	1779
DM200ZHMR-F	23	812		3.7	5	6	180*2	DN80	3"	350	1800	1420	2220	1054	2318
DM250ZHMR-F	27	953		4.5	6	8	130*4	DN80	3"	410	1900	1650	2480	1259	2769
DM300ZHMR-F	35	1200		5.2	7	10	180*4	DN80	3"	510	2050	1650	2426	1570	3454
DM400ZHMR-F	45	1589		7.5	10	12	180*4	DN100	4"	750	2480	1830	2690	2130	4686
DM500ZHMR-F	55	1942		8.9	12	15	180*4	DN125	5"	880	2580	1980	2710	2680	5896
DM600ZHMR-F	65	2366		8.9	12	18	250*4	DN125	5"	1030	2620	2080	2926	2940	6468
DM800ZHMR-F	85	3001		14.9	20	24	250*6	DN125	5"	1380	2900	2560	2950	3520	7744
DM1000ZHMR-F	100	3531		18.6	25	30	250*6	DN150	6"	1800	3500	2580	2950	4740	10428
DM1200ZHMR-F	150	5297		22.4	30	40	250*9	DN150	6"	2250	3500	2580	2950	6040	13288
DM1500ZHMR-F	200	7062		22.4	30	45	250*9	DN200	8"	2800	4500	2800	3200	7090	15598

For clean air · choose Demargo

Water-Cooled Micro-Heat Combined Technical Specifications

Model	Capacity		Power Supply	Compressor Power		Heating Power	Inlet/Outlet Connection		Cooling Water Port Size	Overall Dimensions (mm)			Net Weight	
	Nm³/min	CFM		kW	HP	W	MM	INCH		Length	Width	Height	KG	lbs
DM65ZHMR-W	6.5	230	380V/ 50Hz/ 3ph	1.2	1.7	3000	Rp1.5"	1.5"	Rp1/2"	1100	950	2030	383	842
DM110ZHMR-W	11.5	406		2.2	3	4500	Rp2"	2"	Rp3/4"	1460	1180	2050	553	1216
DM138ZHMR-W	13.5	477		2.2	3	4500	Rp2"	2"	Rp3/4"	1680	1180	2140	694	1526
DM150ZHMR-W	17	600		3	4	5000	DN65	2.5"	Rp1.5"	1800	1240	2150	809	1779
DM200ZHMR-W	23	812		3.7	5	6000	DN80	3"		1800	1420	2220	1054	2318
DM250ZHMR-W	27	953		4.5	6	8000				1900	1650	2480	1259	2769
DM300ZHMR-W	35	1201		5.2	7	10000				2050	1650	2426	1570	3454
DM400ZHMR-W	45	1589		7.5	10	12000	DN100	4"		2480	1830	2690	2130	4686
DM500ZHMR-W	55	1942		8.9	12	15000	DN125	5"		2580	1980	2710	2680	5896
DM600ZHMR-W	65	2366		8.9	12	18000				2620	2080	2926	2940	6468
DM800ZHMR-W	85	3001	380V/ 50Hz/ 3ph	14.9	20	24000	DN125	5"	Rp1.5"	2900	2560	2950	3520	7744
DM1000ZHMR-W	100	3531		18.6	25	30000	DN150	6"		3500	2580	2950	4740	10428
DM1200ZHMR-W	150	5297		22.4	30	40000	DN150	6"		3500	2580	2950	6040	13288
DM1500ZHMR-W	200	7062		22.4	30	45000	DN200	8"		4500	2800	3200	7090	15598

Note: For larger flow rates, higher pressures, or non-standard requirements, please contact the manufacturer.

Modular Core and Module Air Dryers



MXW/MXD Series
Modular Core Air Dryers

6.96~56.5Nm³/min



ST/MT/JG Series
Modular Air Dryers

0.5~4.26Nm³/min



MD Series Economical
Modular Air Dryers

0.1~40Nm³/min

Advantages of the Core-type Desiccant Air Dryer

1. Stable Outlet Pressure and Dew Point

A large-capacity design guarantees a stable outlet dew point at the unit outlet, and can adapt to adsorbent ageing and changes in operating load.

2. Split control

1.Split cylinders are used, with intake and exhaust controlled independently, effectively preventing cross-flow and leakage between intake and exhaust.
2.Independent cylinders keep cylinder action free from interference, making operation more stable and more precise.
3.Convenient maintenance: seals and cylinders can be replaced without dismantling large valve assemblies, greatly shortening repair time and ensuring repair precision.

3. Precise distribution

Upper and lower guide chambers, designed through scientific calculation and simulation, achieve precise airflow distribution; the upper and lower flow-splitting cover structure of the inner core balances the airflow and fully improves the drying efficiency of the adsorbent.

4. High-efficiency control

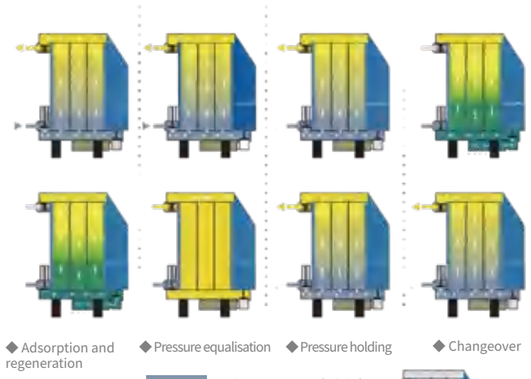
A 7-inch integrated control system with a friendly human-machine interface makes operation convenient and quick, shows equipment information at a glance, and keeps the control system more stable.

Combination Options



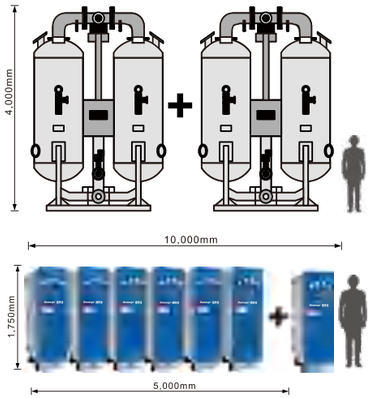
◆ Single unit, 20 m³/min capacity ◆ 40 m³/min capacity ◆ 80 m³/min capacity

Working diagram of the core-type desiccant air dryer



◆ Adsorption and regeneration ◆ Pressure equalisation ◆ Pressure holding ◆ Changeover

Configuration Options



Example conditions: total flow 200 m³/min; pressure 7 bar; temperature 35 °C.
Option 1: Twin-tower desiccant air dryers — 2 units at 200 m³/min each: 1 duty (200 m³/min) + 1 standby (200 m³/min).
Option 2: Modular dual-core desiccant air dryers — 7 units of LTW3462 (34.62 m³/min each): 6 duty (208 m³/min) + 1 standby (34.62 m³/min).

Demargo

MXW Series
Core-Type Heatless Regenerative Desiccant Air Dryer

Product Features

Stable overall performance
A large-capacity design ensures a stable outlet dew point, accommodating adsorbent ageing and changes in operating load.

Reliable components
Key components use well-known domestic and international brands to ensure continuous, reliable operation.

Easy installation
Assembled and shipped as a complete unit, making installation simple.

Advanced control
PLC microprocessor control technology gives the unit an advanced design.



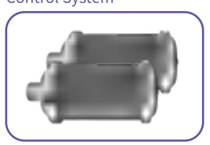
Operating Conditions

Ambient operating temperature	0~40°C
Working pressure	0.45~0.85MPa
Regeneration air consumption	5%~8%
Power	220 V / 50 Hz / 0.1kW
Pressure dew point	-40 °C (customizable to -70 °C)
Working medium temperature	5~50°C
Pressure drop	⩽0.015MPa
Noise level	⩽65dB
Desiccant	Activated alumina

Machine Configuration


Advanced Intelligent Central Control System


Booster Manifold Chamber


High-Efficiency Exhaust Silencer System


Stainless Steel Cylinder Valve

MXW Series Heatless Desiccant Air Dryer Technical Specifications

Model	Capacity (Pressure : 0.7MPa)		Inlet/Outlet Connection		Overall Dimensions (mm)			Weight		Applicable Air Compressor Power
	Nm^3/min	CFM	MM	INCH	Length	Width	Height	KG	lbs	
MXW0696	6.96	246	DN40	G1.5"	740	260	1750	178	392	50
MXW0875	8.75	309	DN40	G1.5"	865	260	1750	216	476	60
MXW1063	10.63	375	DN50	G2"	990	260	1750	254	560	75
MXW1276	12.76	451	DN50	G2"	1115	260	1750	272	600	100
MXW1428	14.28	504	DN50	G2"	1240	260	1750	310	683	120
MXW1796	17.96	634	DN65	G2.5"	1490	260	1750	386	851	135
MXW2088	20.88	737	DN65	G2.5"	1615	260	1750	462	1019	150
MXW2465	24.65	870	DN65	G2.5"	1130	520	1750	560	1235	200
MXW2853	28.53	1007	DN80	G3"	1255	520	1750	636	1402	230
MXW3462	34.62	1222	DN80	G3"	1380	520	1750	714	1574	300
MXW3836	38.36	1354	DN80	G3"	1505	520	1750	792	1746	340
MXW4258	42.58	1503	DN100	G4"	1630	520	1750	870	1918	360
MXW4680	46.80	1653	DN100	G4"	1755	520	1750	948	2090	470
MXW5100	51.00	1801	DN100	G4"	1880	520	1750	1026	2262	520
MXW5650	56.50	1995	DN100	G4"	1530	1340	1910	1258	2773	570

Temperature Correction Factor (T)

Inlet temperature (°C)	25	30	35	40	45	50
Temperature correction factor (T)	1.0	1.0	1.0	0.9	0.8	0.67

Pressure Correction Factor (P)

Inlet pressure (Bar)	4	5	6	7	8	9	10	11	12	13
Pressure correction factor (P)	0.58	0.72	0.87	1.0	1.0	1.03	1.1	1.16	1.2	1.3

Dew-Point Correction Factor (D)

Required dew point (°C td)	-40	-70
Dew-point correction factor (D)	1.0	0.6

Note: For larger flow rates, higher pressures, or non-standard requirements, please contact the manufacturer.

MXD Series
Core-Type Micro-Heat Regenerative Desiccant Air Dryer

Product Features

Pure mechanical valve seat
1. Long service life 2. Stable and reliable
3. Low failure rate

Advanced controller
1.Well-known brand 2. Convenient and practical
3. Simple operation

Pneumatic/electrical dual-control discharge valve
1. Quiet silencer 2. Electric/pneumatic dual-layer control 3. More reliable and durable
4. Ultra-low-noise discharge 5. Suitable for quiet environments

Pure aluminium-alloy body
1. Premium and elegant 2. Anti-corrosion effect
3. No pollution or secondary pollution

Optimised compression device
1. Provides balanced airflow distribution
2. Provides compression 3. Prevents relative movement and wear

High-quality adsorbent
1. Layered filling 2. Efficient and durable



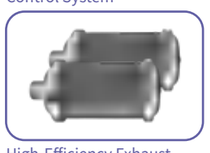
Operating Conditions

Ambient operating temperature	0~40°C
Working pressure	0.45~0.85MPa
Regeneration air consumption	5%~8%
Power	220 V / 50 Hz / 0.1 kW
Pressure dew point	-40 °C (customizable to -70 °C)
Working medium temperature	5~50°C
Pressure drop	⩽0.015MPa
Noise level	⩽65dB

Machine Configuration


Advanced Intelligent Central Control System


Booster Manifold Chamber


High-Efficiency Exhaust Silencer System


Independent Exhaust Valve

MXD Series Heated Desiccant Air Dryer Technical Specifications

Model	Capacity (Pressure : 0.7MPa)		Inlet/Outlet Connection		Overall Dimensions (mm)			Weight		Heating Power
	Nm^3/min	CFM	MM	INCH	Length	Width	Height	KG	lbs	kW
MXD0696	6.96	246	DN40	G1.5"	740	260	1750	178	392	0.8
MXD0875	8.75	309	DN40	G1.5"	865	260	1750	216	476	1.0
MXD1063	10.63	375	DN50	G2"	990	260	1750	254	560	1.0
MXD1276	12.76	451	DN50	G2"	1115	260	1750	272	600	1.2
MXD1428	14.28	504	DN50	G2"	1240	260	1750	310	683	1.4
MXD1796	17.96	634	DN65	G2.5"	1490	260	1750	386	851	1.6
MXD2088	20.88	737	DN65	G2.5"	1615	260	1750	462	1019	2.0
MXD2465	24.65	870	DN65	G2.5"	1130	520	1750	560	1235	2.4
MXD2853	28.53	1007	DN80	G3"	1255	520	1750	636	1402	2.8
MXD3462	34.62	1222	DN80	G3"	1380	520	1750	714	1574	3.2
MXD3836	38.36	1354	DN80	G3"	1505	520	1750	792	1746	3.6
MXD4258	42.58	1503	DN100	G4"	1630	520	1750	870	1918	4.0
MXD4680	46.80	1653	DN100	G4"	1755	520	1750	948	2090	4.4
MXD5100	51.00	1801	DN100	G4"	1880	520	1750	1026	2262	4.8
MXD5650	56.50	1995	DN100	G4"	1530	1340	1910	1258	2773	5.6

Note: For larger flow rates, higher pressures, or non-standard requirements, please contact the manufacturer.

ST/MT/JG Series Modular Desiccant Air Dryer

Product Features

Compact body, flexible installation and movement
A micro desiccant air dryer that is small in size, flexible to install and easy to move, while also offering a high-efficiency adsorption effect. It is suitable for precision instruments, terminal production equipment, laboratories and other places requiring high-purity, small-flow com-pressed air.

Ultra-low dew-point output, high air-source class
The dryer can stably achieve a -40 °C/-70 °C pressure dew point (grades 1 and 2 of the compressed-air dew-point requirements in ISO 8573-1:2010).

Low-noise operation, reducing equipment failure losses
The dryer can reduce discharge noise to below 75 dB(A).

All-aluminium anti-corrosion body, clean air source without pollution
The body is made of all-aluminium alloy, is corrosion-resistant, and will not cause secondary pollution of the gas.



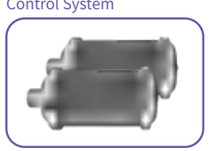
Operating Conditions

Inlet pressure	7.0bar
Inlet temperature	⩽35°C
Pressure range	4.5bar~10.0bar
Temperature range	2°C~45°C
Pressure dew point	-40°C
Heatless type regeneration air consumption	⩽6%
Pressure drop	⩽0.015MPa
Noise level	⩽75dB

Machine Configuration


Advanced Intelligent Central Control System


Booster Manifold Chamber


High-Efficiency Exhaust Silencer System


Independent Exhaust Valve

ST/MT Series Modular Desiccant Air Dryer Technical Specifications

Model	Capacity (@7bar,35°C)		Connection Size	Overall Dimensions (mm)			Weight	
	Nm^3/min	CFM	INCH	Length	Width	Height	KG	lbs
ST050	0.50	17	G1/2	388	300	920	34	74
ST080	0.80	28	G1/2	388	300	1110	40	88
ST100	1.00	35	G1/2	388	300	1280	46	101
ST150	1.50	52	G1/2	388	300	1480	54	118
MT156	1.56	55	G1	590	300	1150	72	158
MT246	2.46	86	G1	600	300	1310	85	187
MT426	4.26	150	G1	720	300	1310	125	275

JG Series Modular Desiccant Air Dryer Technical Specifications

Model	Capacity (@7bar,35°C)		Connection Size	Overall Dimensions (mm)			Weight	
	Nm^3/min	CFM	INCH	Length	Width	Height	KG	lbs
DM 015JG	1.5	53	G1	460	300	1120	39	86
DM 026JG	2.6	92	G1	460	300	1300	45	99
DM 038JG	3.8	134	G1	460	300	1450	53	117
DM065JG	6.5	229	G1	530	300	1450	80	176

Note: For larger flow rates, higher pressures, or non-standard requirements, please contact the manufacturer.



Demargo

MD Series
Economy Desiccant Air Dryer

Product Features

High-efficiency energy-saving regeneration system

Purge air is directionally split, regeneration efficiency is improved, and purge-air consumption and adsorbent use are reduced.

Modular adsorption chamber

The multiple modular design of the adsorption chamber makes the body structure compact and reasonable, with a smaller volume.

Patented combined valve body, reliable sealing with imported seals

The valve uses a combined valve body of proprietary patented design, and the seals use imported material.

Overall high-efficiency insulation, low energy consumption and high dehydration efficiency

The micro-heat type uses high-efficiency insulation material with one-piece insulation, giving low energy consumption and effective adsorbent dehydration.

Multi-functional intelligent controller, supporting remote communication control

The controller has multi-functional selection modes to suit various operating requirements, with simultaneous control.



Operating Conditions

Working pressure	⩽1.0(1.6)MPa
Pressure drop	⩽0.03MPa
Inlet temperature	⩽45°C
Outlet air temperature	⩽38°C
Inlet oil content	⩽0.1 mg/m³
Pressure dew point	-40°C (customizable to -70°C)
Noise level	⩽65dB(A)
Power supply	220 V/50 Hz or 380 V/50 Hz

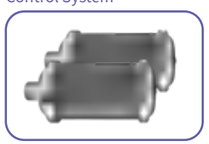
Machine Configuration



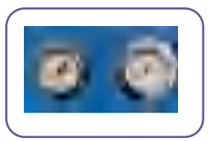
Advanced Intelligent Central Control System



Booster Manifold Chamber



High-Efficiency Exhaust Silencer System



Branded Pressure Gauge

MD Series Heatless Type A Modular Desiccant Air Dryer Technical Specifications

Model	Capacity		Inlet/Outlet Connection	Overall Dimensions (mm)			Weight	
	Nm³/min	CFM	MM	Length	Width	Height	KG	lbs
MD-001WD	0.1	4	∅4	178	138	494	8	17
MD-002WD	0.2	7	Rp1/2"	230	230	447	12	26
MD-004WD	0.4	14	Rp1/2"	230	230	627	15	33
MD-006WD	0.6	21	Rp1/2"	230	230	877	18	39
MD-008WD	0.8	28	Rp1/2"	230	230	1127	22	48
MD-010WD	1.2	42	Rp1/2"	230	230	1327	27	59

MD Series Heatless Type B Modular Desiccant Air Dryer Technical Specifications

Model	Capacity		Inlet/Outlet Connection	Overall Dimensions (mm)			Weight	
	Nm³/min	CFM	MM	Length	Width	Height	KG	lbs
MD-010WD	1.2	42	Rp1.5"	355	378	762	40	88
MD-020WD	2.4	84	Rp1.5"	355	378	1262	56	123
MD-030WD	3.5	123	Rp1.5"	355	378	1722	72	158
MD-060WD	6.5	229	Rp1.5"	472	380	1737	126	277
MD-100WD	10.7	377	Rp1.5"	606	380	1737	180	396
MD-125WD	12.5	441	Rp2"	740	380	1752	235	517
MD-150WD	15	529	Rp2"	874	380	1752	290	638
MD-200WD	20	706	Rp2"	1008	380	1752	345	759
MD-250WD	25	882	Rp3"	801	600	1752	475	1045
MD-300WD	30	1059	Rp3"	935	600	1752	585	1287
MD-400WD	40	1412	Rp3"	1069	600	1752	700	1540

MD Series Micro-Heat Modular Desiccant Air Dryer Technical Specifications

Model	Capacity		Inlet/Outlet Connection	Overall Dimensions (mm)			Weight	
	Nm³/min	CFM	MM	Length	Width	Height	KG	lbs
MD-010ED	1.2	42	Rp1.5"	355	378	805	50	110
MD-020ED	2.4	84	Rp1.5"	355	378	1305	62	136
MD-030ED	3.5	123	Rp1.5"	355	378	1765	92	202
MD-060ED	6.5	229	Rp1.5"	482	380	1780	153	337
MD-100ED	10.7	377	Rp1.5"	616	380	1780	215	473
MD-125ED	12.5	441	Rp2"	750	380	1780	275	605
MD-150ED	15	529	Rp2"	884	380	1780	340	748
MD-200ED	20	706	Rp2"	1018	380	1780	400	880
MD-250ED	25	882	Rp3"	801	600	1780	535	1177
MD-300ED	30	1059	Rp3"	935	600	1780	650	1430
MD-400ED	40	1412	Rp3"	1069	600	1780	770	1694

Note: For larger flow rates, higher pressures, or non-standard requirements, please contact the manufacturer.



Bemargo

Explosion-Proof Air Dryers

BTC/CT4/CT6

Advantages of Explosion-Proof Dryers

In industrial production, approximately two-thirds of underground coal mine areas and over 80% of production workshops in the chemical industry contain flammable and explosive substances. Combined with the oxygen present everywhere in the air, as well as ignition sources that are difficult to avoid in production processes — such as electrical sparks, friction sparks, static sparks, high temperatures, and equipment failures — many sites objectively meet the conditions for an explosion. Once the concentration of a combustible substance–oxygen mixture reaches the explosive limit, any ignition source can easily trigger a safety accident.
Explosion-proof dryers are purpose-built for such high-risk working conditions. They eliminate potential ignition sources such as electrical, friction, and static sparks at the source, precisely control operating temperature, and avoid the risk of ignition caused by high temperature or equipment failure, effectively preventing the three elements of an explosion from occurring simultaneously. The equipment can be safely applied in production environments containing explosive substances, such as coal mines and chemical plants, and reliably completes drying operations under flammable and explosive conditions. It effectively prevents explosion accidents and provides dependable protection for production safety, personnel safety, and stable equipment operation — an ideal choice for drying operations in high-risk locations.

1.Intrinsically Safe, Reducing the Risk of Combustion and Explosion

All electrical components are explosion-proof certified, with no electrical sparks and no high-temperature surfaces.

2.Suitable for High-Risk Materials and Working Conditions

Purpose-designed for production processes involving hazardous materials such as flammable solvents, easily oxidized substances, and explosive dusts, providing compressed air and specialty gas drying and purification that meet explosion-proof safety standards.

3.Stable Operation, Precise Temperature Control

Multiple over-temperature, overload, and power-failure protections deliver more precise temperature control and prevent localized overheating.

4.Good Versatility and Durability

Robust construction with corrosion, dust, and moisture resistance for harsh industrial environments.

Explosion-proof Certificate



Technical Features

1.Whole-Unit Explosion-Proof Certification: motors, electrical controls, sensors, and junction boxes are all explosion-proof (Ex d IIB/IIC T4), compliant with GB3836.
2.Safety-Oriented Structural Design: flameproof enclosure, electrostatic grounding, explosion-proof flexible conduit, and no exposed spark-generating parts.
3.Media-Compatible Materials: 316L stainless steel body, resistant to H_2S/CO_2/acid gas corrosion.
4.Anti-Blocking and Anti-Freezing Design: thermal bypass temperature control to prevent hydrocarbon condensation, water freezing, and dry ice formation.
5.High-Efficiency Separation: cyclone plus mist eliminator dual gas-liquid separation with automatic explosion-proof drainage.
6.Interlock Protection: over-temperature, over-pressure, combustible gas alarm, and shutdown cut-off.

Explosion-Proof Air Dryers



Stainless Steel Explosion-Proof Refrigerated Air Dryer

1~500 Nm^3/min

Explosion-Proof Refrigerated Air Dryer

1~500 Nm^3/min



Explosion-Proof Air Dryers

Explosion-Proof Flooded-Type Hydrogen Refrigerated Dryer

1~500 Nm^3/min





Explosion-Proof Biogas Refrigerated Dryer

1~500 Nm^3/min



Demargo

Compressed Air Filters

WS/R/FL Series



> WS Series Moisture Separator

· Installing a moisture separator ahead of compressed air filters and drying equipment removes 99% of the liquid water, enabling the down-stream purification equipment to perform better.

· The unique two-stage cyclone separation design of the WS series moisture separator makes its water removal more effective than that of conventional moisture separators.

· The moisture separator can be installed at the air compressor, ahead of the aftercooler, or after the air receiver.



> R Series Filter

· Multi-stage precision filtration efficiently removes moisture, oil mist and solid impurities from compressed air. The high-strength housing is pressure-resistant and corrosion-proof for long, stable and reliable operation. It suits different purification class requirements; an optional differential-pressure gauge monitors element condition in real time and allows early prediction of the replacement time.

· A hydrodynamically optimised smooth flow path and large-bore inner cavity design greatly reduce the resistance loss of compressed air passing through the filter body. The initial pressure drop is extremely low, ensuring high-precision interception without losing system pressure.



> FL Series Flanged Filter

· The flanged precision filter offers high dirt-holding capacity, strong corrosion resistance, good temperature resistance, high flow, easy operation, long service life, no fibre shedding and many other features.

· Used to filter out impurities from compressed air, it uses multiple layers of different filter media, including a borosilicate layer, a glass-fibre layer, an activated-carbon-fibre layer, a multilayer non-woven layer and a stainless steel mesh layer. Through multilayer filtration it achieves high-quality compressed air free of oil and impurities.

WS Series Moisture Separator Technical Specifications

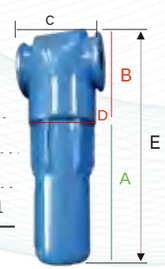
Model	Pipe diameter RC	Capacity		Overall Dimensions (mm)				
		Nm^3/min	CFM	A	B	C	D	E
WS-001R	1/2"·3/4"	1.2	42	120	85	98	80	205
WS-002R	3/4"·1"	2.6	92	150	85	98	80	235
WS-003R	1½"	4	141	195	110	135	110	305
WS-006R	1½"	6.5	230	295	110	135	110	405
WS-008R	1½"	8.5	300	295	110	135	110	405
WS-010R/013R	2"	11.5-13.8	406-487	385	150	174	135	535
WS-015R	2"	16.2	572	565	150	174	135	715
WS-020R	2"2½"	20	706	565	150	174	135	795
WS-025R	2½"	25	883	380	190	220	160	570
WS-030R	3"	33.2	1172	470	190	220	160	660
WS-040R	4"	42.8	1511	630	190	220	160	820
WS-050R	5"	53.2	1878	710	190	220	160	900

R Series High-Efficiency Precision Filter Technical Specifications

Model	Pipe diameter RC	Capacity Nm^3/min	Quantity	Element model	Overall Dimensions (mm)				
					A	B	C	D	E
DF*-001R	1/2"·3/4"·1"	1.2	1	E*-16R	120	85	98	80	205
DF*-002R	1/2"·3/4"·1"	2.6	1	E*-20R	150	85	98	80	235
DF*-003R	1"·1¹/2"	4	1	E*-24R	195	110	135	110	305
DF*-006R	1¹/2"	6.5	1	E*-28R	295	110	135	110	405
DF*-008R	1¹/2"	8.5	1	E*-32R	295	110	135	110	405
DF*-010R	2"·2¹/2"	11	1	E*-36R	385	150	174	135	535
DF*-013R	2"·2¹/2"	13.8	1	E*-36R	385	150	174	135	535
DF*-015R	2¹/2"	16.2	1	E*-40R	565	150	174	135	715
DF*-020R	2¹/2"	20	1	E*-44R	565	150	174	135	795
DF*-025R	3"	25	1	E*-48/50R	380	190	220	160	570
DF*-030R	3"	33.2	1	E*-55R	470	190	220	160	660
DF*-040R	4"	42.8	1	E*-60R	630	190	220	160	820
DF*-050R	4"	53.2	1	E*-65R	710	190	220	160	900

* Indicates the filtration grade：9/7/5/3/1
Corresponding rating: pre-filter 3 μm / medium-efficiency 1 μm / high-efficiency 0.1 μm / ultra-high-efficiency 0.003 μm / activated carbon 0.001 μm
Note: The corresponding model code differs with the element construction — pleated elements and string-wound elements are available.

Pressure																
Barg	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16
Psig	15	29	44	59	73	87	100	116	131	145	160	174	189	203	218	232
Correction Factor	0.38	0.53	0.65	0.76	0.85	0.93	1.00	1.07	1.13	1.19	1.23	1.31	1.36	1.41	1.46	1.51



For clean air · choose Demargo

FL Series Flanged Precision Filter Technical Specifications

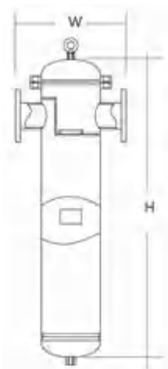
Model	Capacity Nm^3/min	Connection	Element Qty	W（Width）	H（Height）	Barrel diameter
DF*-015FL	15	DN65	1	385	994	159
DF*-020FL	20	DN80	1	385	1284	159
DF*-025FL	25	DN80	1	385	1284	159
DF*-030FL	30	DN80	2	465	1009	273
DF*-040FL	40	DN100	2	465	1159	273
DF*-050FL	50	DN100	3	500	1194	273
DF*-060FL	60	DN125	3	500	1194	273
DF*-080FL	80	DN125	4	565	1290	325
DF*-100FL	100	DN150	5	617	1305	377
DF*-120FL	120	DN150	6	726	1353	426
DF*-140FL	140	DN200	7	735	1360	450
DF*-150FL	150	DN200	6	750	1456	426
DF*-160FL	160	DN200	8	780	1419	500
DF*-180FL	180	DN200	8	780	1419	500
DF*-200FL	200	DN200	9	800	1560	500
DF*-240FL	240	DN200	10	800	1560	500
DF*-260FL	260	DN250	12	860	1570	506
DF*-280FL	280	DN250	13	950	1730	650
DF*-300FL	300	DN250	14	950	1730	605

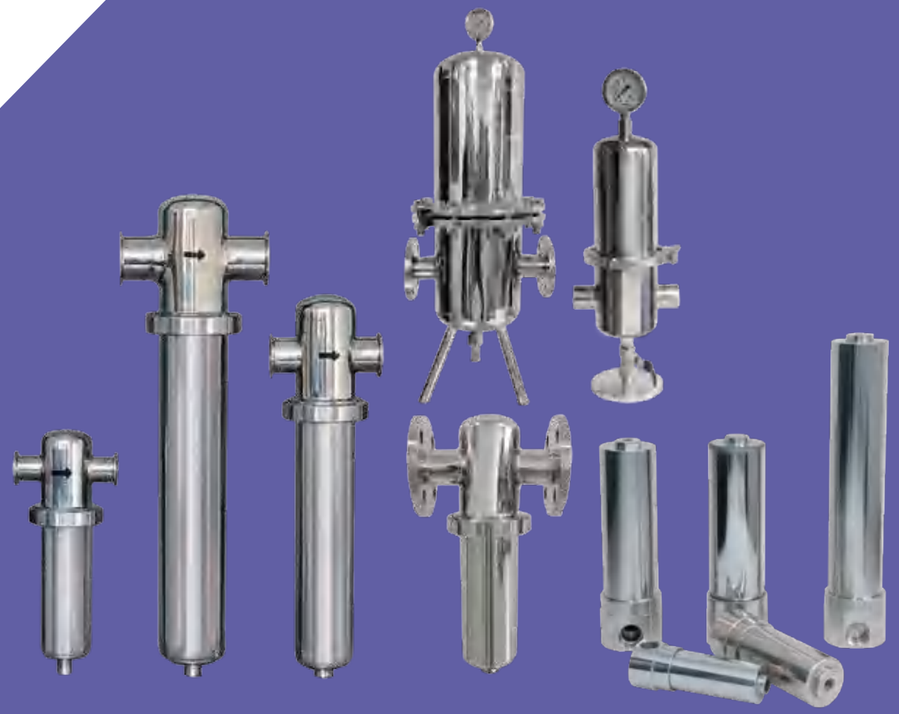
* Indicates the filtration grade.
Grade 9 filtration rating: 3 μm, residual oil content: 3 ppm
Grade 7 filtration rating: 1 μm, residual oil content: 1 ppm
Grade 5 filtration rating: 0.01 μm, residual oil content: 0.01 ppm
Grade 3 filtration rating: 0.01 μm, residual oil content: 0.003 ppm
Grade 1 (activated carbon) filtration rating: 0.01 μm, residual oil content: 0.001 ppm
Grade F high-efficiency dust filtration: filtration rating 0.1 μm
Grade FF ultra-high-efficiency dust filtration: filtration rating 0.01 μm
Special drawings: available on request

Note: For larger flow rates, higher pressures, or non-standard requirements, please contact the manufacturer.





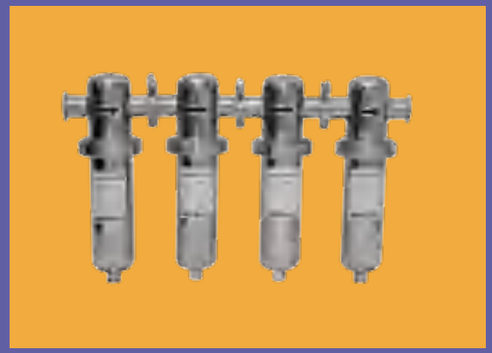




Demargo

Stainless Steel Compressed Air Filter

Stainless Steel Filter/Stainless Steel High-Pressure Filter
/Stainless Steel Sterile Filter



> Stainless Steel Filter

· The housing is made of 304 stainless steel with mirror-polished inner and outer surfaces; corrosion-resistant with low resistance, it is widely used for the filtration of various industrial gases and for the sterilisation of gases, such as in the semiconductor, metallurgy, medical, pharmaceutical, and food and chemical industries.



> Stainless Steel High-pressure Filter

· Suitable for filtering out solid and liquid impurities from compressed air below 4.0 MPa; a high-pressure gas precision filter made with precision manufacturing processes, with full consideration of the requirements of high-pressure technology.

· Made of high-grade 304 and 316L stainless steel, it can be supplied with elements rated 25, 5, 1 and 0.01 μm and an activated-carbon filtration class to meet various special customer requirements; designed using aerodynamic principles to ensure the pressure drop across the filter medium is kept to a minimum.



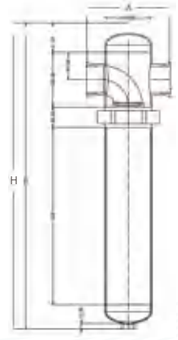
> Stainless Steel Sterile Filter

· The sterile filter mainly uses a microfiltration element with a large specific surface area and a filtration rating of 0.22 μm. It is mainly used to prevent impurities and harmful bacteria in the air, on production lines and in clean rooms from causing changes in water quality, products and the clean-room environment, meeting the industrial needs of the food, biochemical, beverage, beer, pharmaceutical and electronics industries.

Stainless Steel Series Precision Filter Technical Specifications

Model	Capacity Nm³/min	Element Qty	Inlet/Outlet (Threaded/Flanged)	H(Height)	A(Width)	Diameter
DFB*-001	1.5	1	1" female thread	365	150	76
DFB*-001	1.5	1	DN25 flange	365	150	76
DFB*-002	2.6	1	1" female thread	365	150	76
DFB*-002	2.6	1	DN25 flange	365	150	76
DFB*-004	4	1	1.5" female thread	402	160	89
DFB*-004	4	1	DN40 flange	402	160	89
DFB*-006	6	1	1.5" female thread	512	160	89
DFB*-006	6	1	DN40 flange	512	160	89
DFB*-007/8	7-8.5	1	1.5" female thread	572	160	89
DFB*-007/8	7-8.5	1	DN40 flange	572	160	89
DFB*-010/013	11-13.8	1	2" female thread	702	160	102
DFB*-010/013	11-13.8	1	DN50 flange	702	210	102
DFB*-015	15	1	DN65 flange	828	333	133
DFB*-020	20	1	DN65 flange	702	210	102
DFB*-025	25	1	DN80 flange	802	380	159
DFB*-035	35	1	DN80 flange	1000	380	159
DFB*-040	40	1	DN100 flange	1000	380	159
DFB*-045	45	1	DN100 flange	1200	380	159

* Indicates the filtration grade.
Grade 9 filtration rating: 3 μm, residual oil content: 3 ppm
Grade 7 filtration rating: 1 μm, residual oil content: 1 ppm
Grade 5 filtration rating: 0.01 μm, residual oil content: 0.01 ppm
Grade 3 filtration rating: 0.01 μm, residual oil content: 0.003 ppm
Grade 1 (activated carbon) filtration rating: 0.01 μm, residual oil content: 0.001 ppm
Grade F high-efficiency dust filtration: filtration rating 0.1 μm
Grade FF ultra-high-efficiency dust filtration: filtration rating 0.01 μm
Special drawings: available on request





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Stainless Steel Series High-Pressure Filter Technical Specifications

Model	Capacity Nm³/min	Connection Size	H(Height)	C(Diameter)	D(Drain Port)
BH-001*	1	1/2"·3/4"·1"	230mm	80mm	1/2
BH-002*	2	1/2"·3/4"·1"	230mm	80mm	1/2
BH-003*	3	1"	260mm	106mm	1/2
BH-005*	5	1-1/2"	405mm	115mm	1/2
BH-007*	7	1-1/2"	505mm	115mm	1/2
BH-010*	11	1-1/2"	620mm	115mm	1/2
BH-013*	13	2"	620mm	140mm	1/2

* Indicates the filtration grade.
Grade 9 filtration rating: 3 μm, residual oil content: 3 ppm
Grade 7 filtration rating: 1 μm, residual oil content: 1 ppm
Grade 5 filtration rating: 0.01 μm, residual oil content: 0.01 ppm
Grade 3 filtration rating: 0.01 μm, residual oil content: 0.003 ppm
Grade 1 (activated carbon) filtration rating: 0.01 μm, residual oil content: 0.001 ppm
Grade F high-efficiency dust filtration: filtration rating 0.1 μm
Grade FF ultra-high-efficiency dust filtration: filtration rating 0.01 μm



Stainless Steel Series Sterile Filter Technical Specifications

Model	Capacity Nm³/min	Element model	Element Qty	Inlet/Outlet (Threaded/Flanged)	Diameter(mm)	Width (mm)	Height(mm)
BFS-001-3	1--3	5"	1	1" female thread+ Quick-Release Clamp	102	174	412
BFS-004-6	4--6	10"	1	1" female thread+ Quick-Release Clamp	102	174	526
BFS-007-10	7--10	20"	1	1.5" female thread+ Quick-Release Clamp	102	174	752
BFS-015-020	15--20	20"	2	DN50 flange	180	380	1085
BFS-030-035	30--35	20"	3	DN65 flange	219	419	1187
BFS-040-055	40--55	20"	5	DN80 flange	273	513	1306
BFS-060-075	60--75	20"	7	DN80 flange	273	513	1309
BFS-080-100	80--100	20"	9	DN100 flange	325	565	1346
BFS-110-120	110--120	20"	11	DN125 flange	377	617	1467
BFS-130-140	130--140	20"	13	DN125 flange	377	617	1467
BFS-150-160	150--160	20"	15	DN150 flange	400	698	1566

Note: For larger flow rates, higher pressures, or non-standard requirements, please contact the manufacturer.



Demargo

Oil Remover

High-Efficiency Oil Remover/LS Oil-Water Separator/
Condensate Oil-Water Separator/Oil-Water Separator



> High-efficiency Oil Remover

· Filtration class: XF5-class high-efficiency oil-removal filter, 0.01 µm, 0.01 ppm. Suitable for coalescing fine water vapour and oil mist; it can filter out agglomerates as small as 0.01 µm (0.01 ppm w/w residual oil content); both the inner and outer elements are corrosion-resistant.

· Two-stage filtration. Stage 1: multilayer fibre media and a media screen, removing larger particles as pre-filtration before the air enters stage 2 filtration. Stage 2: multilayer bonded mixed-fibre media, removing fine agglomerates.



> LS Oil-water Separator

· The LS series condensate treatment units are used to treat the oily condensate produced by compressed air systems. For the equipment capacity, the treated water quality and the suitability of the discharge, please refer to the test results under the specified operating conditions and the applicable requirements, and select the correct model according to the amount of condensate produced.



> Condensate Oil-water Separator

· The condensate flows into the pressure-reducing chamber, where the decompression packing filters out some particulate impurities and relieves the condensate pressure. The condensate then flows into Tank No. 1, where the No. 1 oil-absorbing cartridge removes most of the oil. The condensate, now containing only a little oil, flows into Tank No. 2, where the No. 2 oil-absorbing cartridge removes the remaining oil. The de-oiled condensate then passes through the activated-carbon cartridge, which adsorbs residual hydrocarbon compounds.



> Oil-water Separator

· The oil-water separator is an eco-friendly water-treatment device that uses the difference in density between oil and water and their mutual insolubility to separate grease, suspended solids and impurities from oily wastewater. It is widely used in catering, auto repair shops, machining workshops and similar scenarios. It prevents grease from blocking drains, reduces the oil concentration of wastewater to meet discharge standards, and recovers waste grease.

High-Efficiency Oil Removal Filter Technical Specifications

Model	Capacity		Air Connection	Drain Port Connection	Overall Dimensions		
	Nm³/min	CFM			A	B	H
DM15GR	1.5	53	ZG1"	ZG½"	195	133	646
DM26GR	2.4	85	ZG1"	ZG½"	270	133	660
DM40GR	3.8	134	ZG1-1/2"	ZG½"	270	133	660
DM65GR	6.5	230	ZG1-1/2"	ZG½"	300	159	1300
DM110GR/138GR	11-13.8	388	ZG2"	ZG½"	360	219	1555
DM150GR	17	600	DN80	ZG½"	425	273	1555
DM200GR	23	812	DN80	ZG½"	425	273	1555
DM300GR	35	1236	DN80	ZG½"	425	273	1795
DM400GR	45	1589	DN100	ZG½"	460	325	1665
DM500GR	55	1942	DN125	ZG½"	529	377	1750
DM600GR	60	2119	DN125	ZG½"	730	529	1750
DM800GR	80	2825	DN150	ZG½"	730	529	1950
DM1000GR	100	3531	DN200	ZG½"	730	529	2100
DM1500GR	150	5297	DN200	ZG½"	840	630	2150
DM2000GR	200	7063	DN200	ZG½"	840	630	2435

LS Oil-Water Separator Technical Specifications

Model	Screw Compressor Flow Nm³/min	Water Inlet Connection	Water Outlet Connection	Oil Outlet Connection	Working Temperature	Max. Working Pressure	Material	Overall Dimensions	Weight
LS4	4	G1/2"	G1/2"	--	5~60°C	16bar	PE	455×390×780	14
LS8	8	G1/2"	G1/2"	--	5~60°C	16bar	PE	455×390×780	21
LS15	15	2xG1/2"	DN25	DN40	5~60°C	16bar	PE	1145×430×904	43
LS30	30	2xG1/2"	DN25	DN40	5~60°C	16bar	PE	1145×430×1040	55
LS45	45	2xG3/4"	DN32	DN40	5~60°C	16bar	PE	1340×510×1150	73
LS70	70	2xG3/4"	DN32	DN40	5~60°C	16bar	PE	1340×510×1300	92

Condensate Oil-Water Separator Technical Specifications

Model	Max. Applicable Air Compressor Capacity (Nm³/min)	Max. Oil Absorption Capacity (L)	Inlet Size	Outlet Size	Sampling Valve	Test Bottle	Maintenance Drain Valve	Element Indicator Rod	Overflow Indicator Rod	Residual Oil Content at Drain Outlet	Housing Material	Overall Dimensions	Weight
U2	2	1.96	1xG1/2"	G1/2"	Yes	Yes	No	No	No	<10 PPM	PE	375×155×265	3.5
U5	5	4.9	2xG1/2"	G 1"	Yes	Yes	Yes	Yes	Yes	<10 PPM	PE	555×195×610	11
U10	10	9.8	2xG1/2"	G 1"	Yes	Yes	Yes	Yes	Yes	<10 PPM	PE	655×245×750	20
U20	20	14.6	2xG1/2"	G 1"	Yes	Yes	Yes	Yes	Yes	<10 PPM	PE	785×310×900	30
U30	30	24.6	2xG1/2"	G 1"	Yes	Yes	Yes	Yes	Yes	<10 PPM	PE	975×385×900	47
U60	60	49.2	2xG1/2"	G 1"	Yes	Yes	Yes	Yes	Yes	<10 PPM	PE	1155×475×1045	85

Oil-Water Separator Technical Specifications

Model	Capacity		Air Connection	Drain Port Connection	Net Weight	Overall Dimensions		
	Nm³/min	CFM				A	B	H
DYF12	1.2	42	ZG1"	ZG½"	24	245	133	530
DYF24	2.4	84	ZG1"	ZG½"	28	245	133	530
DYF38	3.8	134	ZG1"	ZG½"	36	245	133	580
DYF65	6.5	229	ZG1"-1/2"	ZG½"	48	245	159	571
DYF110	11	388	ZG2"	ZG½"	72	335	159	1035
DYF150	15	529	DN65	ZG½"	78	365	159	1139
DYF200	20	706	DN80	ZG½"	90	390	219	1139
DYF300	30	1059	DN80	ZG½"	106	440	219	1180
DYF400	40	1412	DN100	ZG½"	136	500	325	1230
DYF600	60	2118	DN125	ZG½"	150	565	377	1250
DYF800	80	2825	DN125	ZG½"	182	670	462	1270
DYF1000	100	3531	DN150	ZG½"	221	780	616	1550
DYF1500	150	5297	DN200	ZG½"	235	870	716	1830
DYF2000	200	7062	DN200	ZG½"	260	870	716	1850
DYF2500	250	8828	DN250	ZG½"	305	910	740	1900
DYF3000	300	10594	DN250	ZG½"	340	910	740	2210

Note: For larger flow rates, higher pressures, or non-standard requirements, please contact the manufacturer.



MIC-A Split-Type Automatic Drain Valve



MIC-B Automatic Drain Valve



PZ-20ZF Automatic Drain Valve



WBK58B Automatic Drain Valve



PA-68 Automatic Drain Valve



VR-20A Automatic Drain Valve



HAD20B/JAD20 Ball-Type Drain Valve



AD402-04 Float-Type Automatic Drain Valve



AD-10 Zero-Loss Compressed Air Drain Valve



SD-300E Electronic Zero-Loss Drain Valve



LF Zero-Loss Heavy-Duty Mechanical Drain Valve



LM Intelligent Zero-Loss Drain Valve