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

Eco-Efficient Energy-Saving for Greener Future

New Generation Plate-Type Refrigerated Dryers



- Auto-display dewpoint evaporation temperature
- Eco-Friendly Refrigerant
- Real-time fault alarm
- Top Side Exhaust Design
- In-One-Unit Exchanger, Evaporator, Separator
- Easier to maintain, lightweight in structure
- High efficiency, high-performance thermal conductivity

Save more than 25% of energy

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NEW HEATING MATERIALAIR DRYER
TRADITIONAL AIR DRYER



【1. Different core heat exchange materials】

High-performance material air dryer: Using new materials with high thermal conductivity and corrosion resistance (such as Aluminum-magnesium alloy fin, stainless steel fins, graphene coatings, etc.),High heat exchange efficiency and long service life.

Traditional refrigerated dryer: Use ordinary copper pipes or carbon steel materials more often; the thermal conductivity is average, and they are prone to corrosion and scaling.

【2. Dew point control is different from drying stability】

High-performance material air dryer: The air release has a lower and more stable dew point (reaching 2 5° C or even lower), suitable for high-demand air supply systems.

Traditional refrigerated dryer: The dew point fluctuates significantly and is easily affected by changes in ambient temperature and load.

【3. Energy efficiency ratio and energy-saving performance are different】

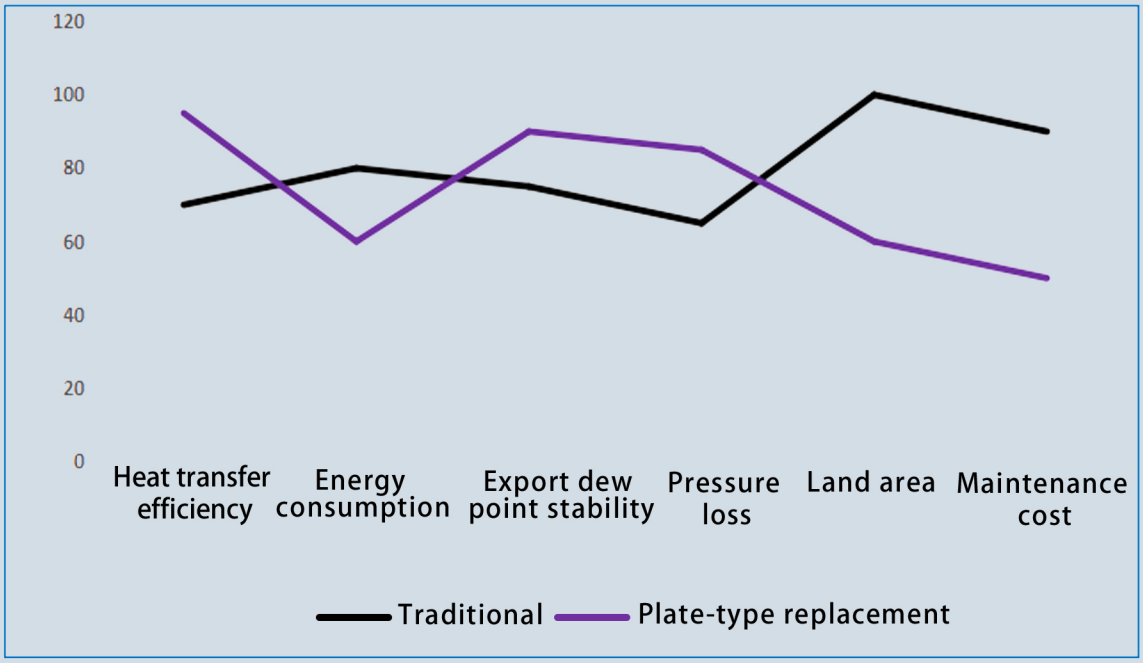
High-performance material air dryer: Through efficient heat exchange and precise control systems, the energy efficiency ratio (COP) is significantly improved, saving 15－30% electricity.

Traditional refrigerated dryer: Low control accuracy, high energy consumption, limited energy-saving effect.

Comparison criteria	Traditional	Plate-type replacement
Heat transfer efficiency	70	95
Energy consumption	80	60
Export dew point stability	75	90
Maintenance cost	65	85
Land area	100	60
Pressure loss	90	50



Comparison of technical indicator curves



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Plate-Type Refrigerated Dryer Technical Parameter

Model	Air flow Nm^3/min	Power supply V/HZ	Power KW	Weight KG	Dimensions MM	Working pressure Bar	Import and export specifications	Refrigerant types	Cooling method
DM015APF	1.5	220V/ 50HZ	0.67	40	450*470*750	16	G1″	R134a	Air-cooled
DM026APF	2.6		0.73	45	500*520*730			R410a	
DM038APF	3.8		1.12	55	500*520*870		G1-1/2″		
DM065APF	6.5		1.5	65	500*520*870				
DM085APF	8.5		2.0	80	600*570*880				
DM110APF	11.5		2.4	86	650*570*960		G2″		
DM138APF	13.5		2.3	86	650*570*960				
DM150APF	17	380V/ 50HZ	2.9	145	980*700*1260	13	G2.5″ /DN5	R407c	Air-cooled
DM200APF	20		4.6	165	1250*900*1360		G2.5″ /DN80		
DM200APW	20		3.8	155	1250*900*1360				Water-cooled
DM250APF	25		5.5	170	1250*900*1360		G3″ /DN80		Air-cooled
DM250APW	25		4.6	180	1250*900*1360				Water-cooled
DM350APF	30		6.7	320	1350*1050*1630		DN80		Air-cooled
DM350APW	30		5.8	330	1350*1050*1530				Water-cooled
DM400APF	40		10.4	420	1650*1050*1700		DN100		Air-cooled
DM400APW	40		9.3	440	1650*1050*1530				Water-cooled
DM500APF	50		10.4	450	1650*1050*1700				Air-cooled
DM500APW	50		9.3	480	1350*1050*1530				Water-cooled
DM600APF	60	380V/ 50HZ	13	710	1800*1400*1800	13	DN125	R410c	Water-cooled
DM750APF	75		13.6	750	1800*1400*1800				
DM800APF	80		15.3	880	2000*1600*1870				
DM1000APF	100		20.3	1000	2000*1600*1870		DN150		
DM1200APF	120		24.9	1050	2300*1850*1670				
DM1500APF	150		29.8	1150	2300*1850*1670		DN200		

DEMAG RESERVES THE RIGHT OF FINAL INTERPRETATION.

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WHY ARE MORE AND MORE CUSTOMERS CHOOSING DEMAGO REFRIGERATED DRYERS?



7 RESEASONS

01 Focus on deep cultivation

Focused on gas purification equipment for 19 years, with customers in more than 20 countries and regions.

02 Technologically advanced

Awarded as a high-tech and specialized innovative enterprise in Shanghai, holding 24 patents.

03 Strong and powerful

Annual output: 9,682 units, Cumulative sales: 100,000 units

04 Deeply trusted

More than 20 OEM manufacturers, 2,299 brand agency partneRS

05 Wide variety of categories

Over 60 types of products, 21 standard product categories, leading the industry in non-standard custom solutions

06 Worry-free service

30-minute response, 24-hour online guidance

07 Exquisite craftsmanship

Integrity as the foundation, craftsmanship polished with spirit



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