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

BP-Series
Energy Saving Hot-Sales

DC INVERTER
REFRIGERATED AIR DRYER



- **Intelligent Frequency Conversion · Precision Dew Point Control**
- **Low noise and smooth operation**
- **Soft start reduces current surge**
- **An integrated air exchanger, evaporator, and air-water separator**

Save more than 40% of energy

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INVERTER REFRIGERATED AIR DRYER &TRADITIONAL AIR DRYER



01 Intelligent Inverter Control — Cooling Capacity Automatically Adjusts with Load

Using a variable frequency compressor and intelligent control system based on intake volume and dew point
Adjust the speed in real time; avoid frequent start-stop operations to ensure stable dew point.
Energy savings of 35–50%, with advantages particularly evident under light load conditions.

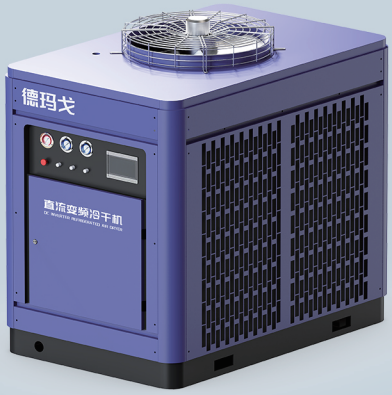
02 Stable low dew point — precise control of cooling output for better drying performance

High dew point control accuracy with minimal fluctuations; can maintain a stable outlet air dew point over the long term without overcooling or re-humidification. Ensures stable operation of downstream equipment and extends the service life of pneumatic components.

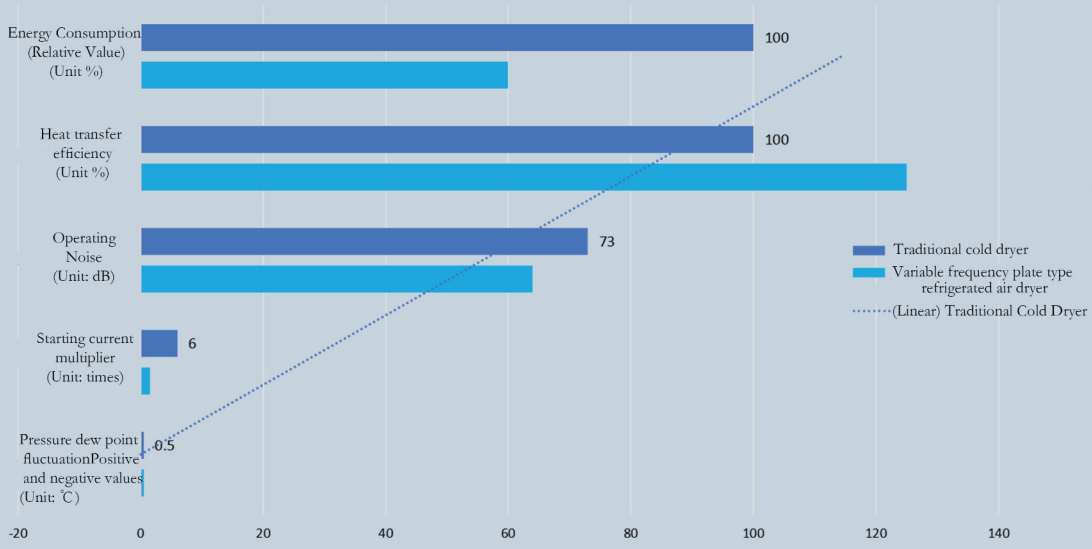
03 Stable and reliable operation — low impact, long uselife

The variable frequency air dryer features a soft start and smooth speed regulation design, resulting in low starting current and shock-free operation, significantly reducing stress on the power grid and compressor components. It also prevents mechanical wear caused by frequent starts and stops, making the machine run more smoothly, operate more quietly, extend service life, and lower maintenance costs.

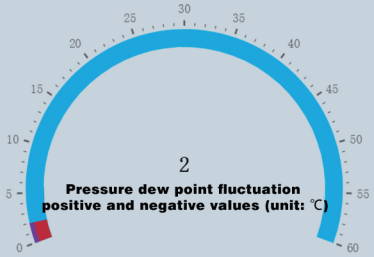
Industrial Parameter	Pressure dew point fluctuationPositive and negative values (Unit: ℃)	Starting current multiplier (Unit: times)	Operating Noise (Unit: dB)	Heat transfer efficiency (Unit %)	Energy Consumption (Relative Value) (Unit %)
Traditional Dryers	2	6	73	100	100
Inverter Dryer	0.5	1.5	64	125	60



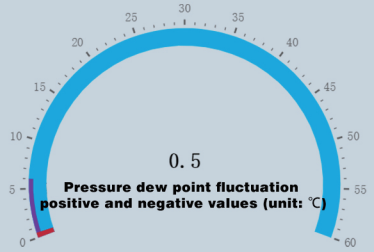
Difference of Technical Parameter Between Inverter Plate Heat Exchanger Dryer& Traditional Dryer



Values of dew point fluctuation in traditional refrigerated air dryers



Fluctuations of the dew point in a variable frequency refrigerated air dryer



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NO.9 CAOLI ROAD,FENGJING TOWN,JINSHAN DISTRICT, SHANGHAI,CHINA

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Inverter Plate Refrigerated Dryer Parameter Table

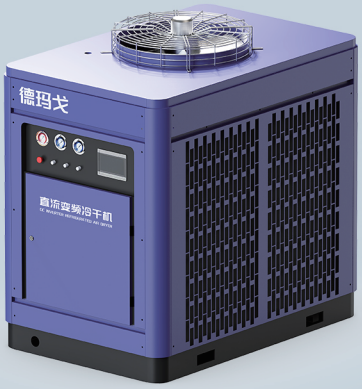
BP-Series	Capacity	Refrigerant	Voltage	Power	Inlet & Outlet Pipe	Dimensions（mm）			Net weight
	Nmm³/min	Mpa	V/50Hz	KW	mm	Length	width	height	kg
DM150APF-BP	17	R410a	380V	2.9	G2.5"/DN65	1150*800*1260			160
DM150APW-BP	17	R410a	380V	2.5	G2.5"/DN65	1150*800*1260			180
DM200APF-BP	20	R410a	380V	4.6	G2.5"/DN80	1400*1000*1360			180
DM200APW-BP	20	R410a	380V	3.8	G2.5"/DN80	1400*1000*1360			200
DM250APF-BP	25	R410a	380V	5.5	G3"/DN100	1400*1000*1360			210
DM250APW-BP	25	R410a	380V	4.6	G3"/DN100	1400*1000*1360			230
DM350APF-BP	35	R410a	380V	6.7	DN80	1400*1050*1630			340
DM350APW-BP	35	R410a	380V	5.8	DN80	1400*1050*1530			360
DM400APF-BP	40	R410a	380V	10.4	DN100	1800*1050*1700			460
DM400APW-BP	40	R410a	380V	9.3	DN100	1800*1050*1530			480
DM500APF-BP	50	R410a	380V	10.4	DN125	1800*1050*1700			490
DM500APW-BP	50	R410a	380V	9.3	DN125	1800*1050*1530			510
DM600APF-BP	60	R410a	380V	12	DN125	1950*1400*1800			730
DM600APW-BP	60	R410a	380V	10.8	DN125	1950*1400*1650			750
DM750APF-BP	75	R410a	380V	13.56	DN125	1750*1450*1900			760
DM750APW-BP	75	R410a	380V	11.84	DN125	1750*1450*1750			780
DM800APF-BP	80	R410a	380V	15.32	DN125	2200*1600*1900			820
DM800APW-BP	80	R410a	380V	13.6	DN125	2200*1600*1750			840
DM1000APF-BP	100	R410a	380V	20.27	DN125	2200*1600*2100			950
DM1000APW-BP	100	R410a	380V	18.55	DN125	2200*1600*1950			980
DM1200APF-BP	120	R410a	380V	24.93	DN150	2450*1850*1850			1100
DM1200APW-BP	120	R410a	380V	22.73	DN150	2450*1850*1700			1130
DM1500APF-BP	150	R410a	380V	29.8	DN150	2450*1850*1850			1200
DM1500APW-BP	150	R410a	380V	27.6	DN150	2450*1850*1700			1230

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WHY ARE MORE AND MORE CUSTOMERS CHOOSING DEMAGO REFRIGERATED DRYERS?



7 RESEAONS

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

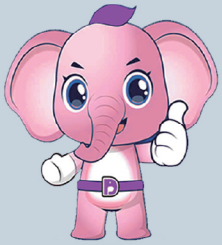
06 Worry-free service

30-minute response, 24-hour online guidance

07 Exquisite craftsmanship

Integrity as the foundation, craftsmanship polished with spirit





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