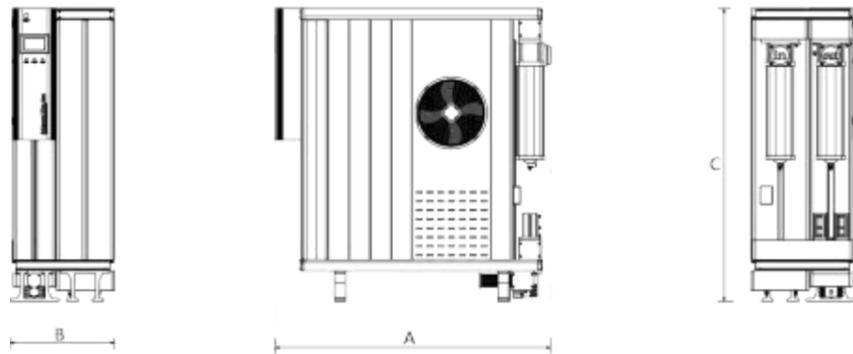


Product Technical Parameters:

ZYLG series

Model	Pipe size	Volume flow (m ³ /min) @0.7~0.8MPa	Dimension (mm)			Power	Total Power (kW)	Weight (kg)
			A	B	C			
ZYLG170-B	DN80	17	827	580	1688	2HP/220V	1.8	370
ZYLG230-B	DN80	23	935	580	1688	2.5HP/220V	2.0	405
ZYLG270-B	DN80	27	1152	580	1688	4HP/380V	3.2	475
ZYLG320-B	DN80	32	1272	580	1688	4HP/380V	3.2	525
ZYLG420-B	DN100	42	1688	580	1688	5HP/380V	3.9	630
ZYLG520-B	DN100	52	1255	822	1688	5HP/380V	3.9	825
ZYLG650-B	DN100	65	1363	822	1688	5HP/380V	3.9	880



Standard working condition: Inlet pressure $0.7 \text{ MPa} \leq P < 0.8 \text{ MPa}$, Inlet temperature $40^\circ\text{C} \leq T \leq 50^\circ\text{C}$;

Working condition range: Inlet pressure $0.4 \text{ MPa} \leq P < 1.0 \text{ MPa}$, Inlet temperature $2^\circ\text{C} \leq T \leq 60^\circ\text{C}$;

Technical index: PDP $\leq -10 \sim 10^\circ\text{C}$, Purge air: $\leq 3\%$, Pressure loss $< 0.03 \text{ MPa}$, Noise $\leq 75 \text{ dB}$ (average);

Standard configuration: Biteman control system, IOT ;

Standard electrical allocation: 220V /380V 50Hz;

Special configuration: DCS remote control function, Biteman flow meter, smart meter. High working pressure on $1 \text{ MPa} \leq P < 1.6 \text{ MPa}$, and the treatment flow is 84-130m³ / min can be customized.

Selection

Inlet Temperature Correction -CX

°C	30	35	40	45	50	55	60
CX	1.20	1.10	1.00	1.00	1.00	0.9	0.8

Pressure Correction -PX

Mpa	0.4	0.5	0.6	0.7	0.8	0.9	1.0	1.1	1.2
PX	0.60	0.75	0.85	1.00	1.02	1.05	1.10	1.15	1.20

Ambient temperature correction -AX

°C	25	30	35	40	45	50
AX	1.00	0.96	0.95	0.88	0.76	0.63

Corrected dryer flow rate = Compressor flow rate / (CX x AX x PX)

For example :Compressor flow rate is 20m³/min,operating at inlet temperature 45°C,ambient temperature 40°C, operating pressure is 0.6mpa,and the required pressure dewpoint is -10 °C,so the corrected dryer flow rate =20m³/min/(1.0*0.88*0.85)=26.7m³/min , As the above dryer sizing table,the correct dryer for this application it's ZYLG270.

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The above information as a result of technological improvements and the company to change without notice



High Tech Enterprises

Biteman Compressed Air Dryers
WhatsApp Business Account



WhatsApp



Zhaoyu All-in-One Refrigerated Air Dryer

Time & effort saving, economical

A great solution combining efficient chiller and dense filter

Efficient water distribution: Unique vertical structure, water quickly separates under the action of gravity.

Excellent heat exchange: Direct heat exchange between compressed air and refrigerant tube, lower energy consumption.

Easy installation: Drying and filtering machine integrated, easy to install.

Reliable drainage: Independent integrated drainage, more stable and reliable drainage.



High Efficiency



Energy Consumption



Easy Installation



Stable drainage



Patent number : ZL201811063805.5

Patent number : ZL201510465125.6

Patent number : ZL201811064494.4

Patent number : ZL201811159274.X



Remove water
oil and particle

One stop solution to the
problem of compressed
air purification

Features of Zhaoyu Refrigerated Air Dryer

- ★Integrated design to remove water and oil dust
- ★Water remove effectively
- ★Low operation cost
- ★Stable and reliable drainage
- ★Easy installation & maintenance
- ★Elegant, safe and compact



You need a real anhydrous dryer!



The Solution Of Refrigerated Air Dryer

Integrating the whole compressed air purification system, breaking the purification mode of pressurized air, opening a new era of integration of compressed air purification system. The innovative integrated design of cold dry filtration has high performance, simple and stable operation, meeting various compressed air purification needs.

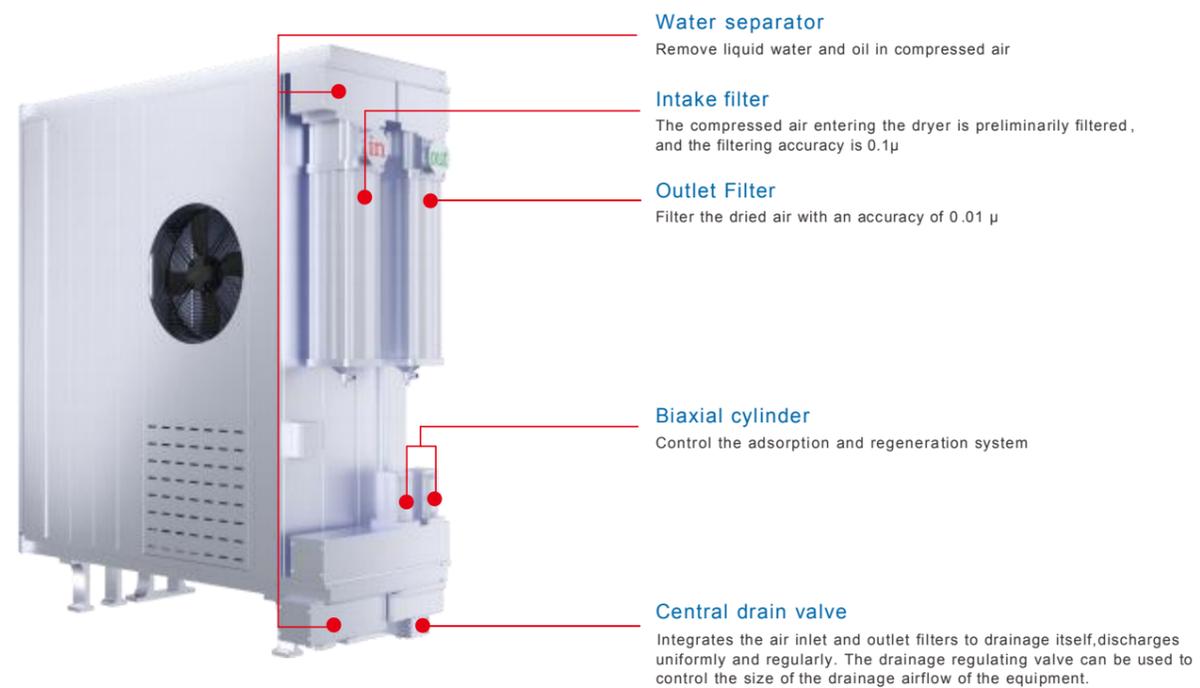
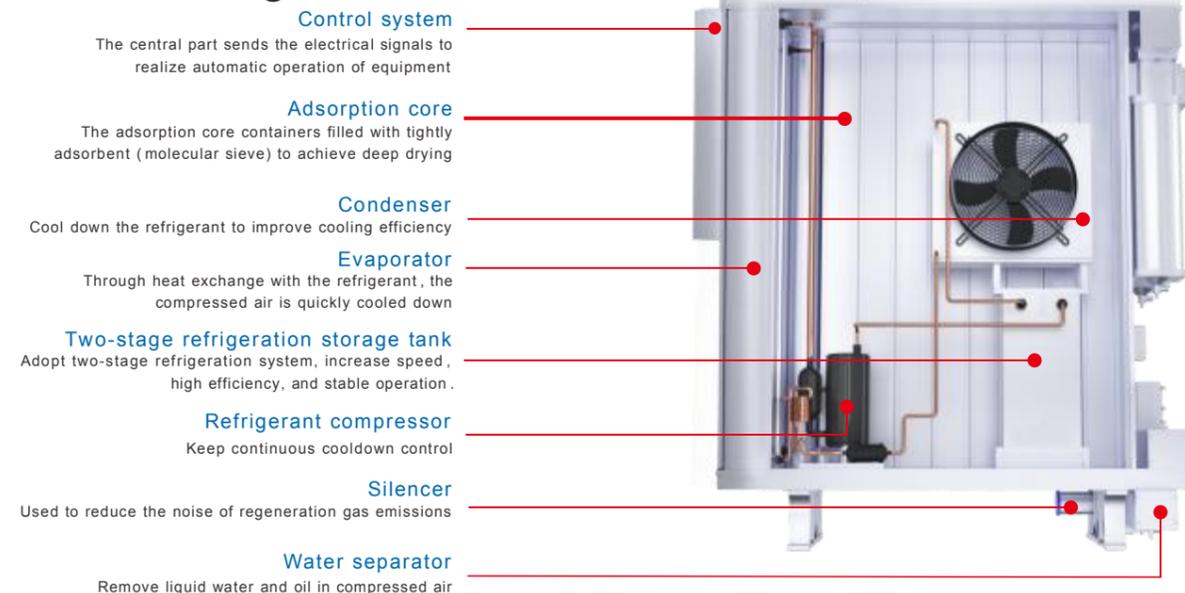


Product advantages

- Integration of freeze drying system, the adsorption drying system, oil/water separation system, efficient precision filtration system, can effectively remove oil, water and impurity particles, low-pressure dew point below -10, not only effectively solves the problem of liquid water reduces the installation costs, comprehensive energy consumption and the cost of core replacement (3 - 5 years) is greatly reduced. Meeting the compressed air quality standard. The ideal choice for low-end manufacturing.

Continuous Innovation And Ingenuity

Structure Diagram



Installation Instruction

