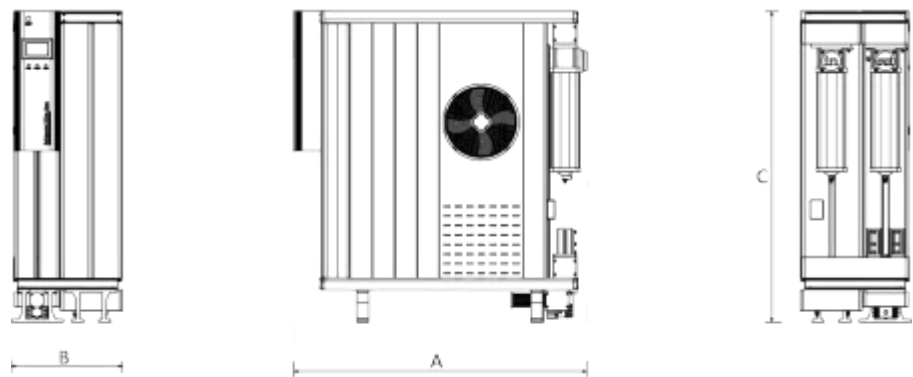


Product Technical Parameters:

ZYLG series

Model	Pipe size	Volume flow ( m³/min )	Dimension ( mm )			Power	Total Power ( kW )	Weight ( kg )
		@0.7~0.8MPa	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 MPa≤P < 0.8 MPa, Inlet temperature 40℃≤T ≤50 ℃;  
Wording condition range: Inlet pressure 0.4 MPa≤P < 1.0 MPa, Inlet temperature 2 ℃≤T≤60℃;  
Technical index: PDP≤ -10~ 10℃, Purge air: ≤3%, Pressure loss < 0.03Mpa , Noise≤75dB(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 1MPa ≤ P < 1.6 MPa, and the treatment flow is 84-130m³ / min can be customized.

Selection

Inlet Temperature Correction -CX								Pressure Correction - PX							
℃	30	35	40	45	50	55	60	Mpa	0.4	0.5	0.6	0.7	0.8	0.9	1.0
CX	1.20	1.10	1.00	1.00	1.00	0.9	0.8	PX	0.60	0.75	0.85	1.00	1.02	1.05	1.10

Ambient temperature correction -AX

℃	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℃,ambient temperature 40℃, operating pressure is 0.6mpa,and the required pressure dewpoint is - 10 ℃,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

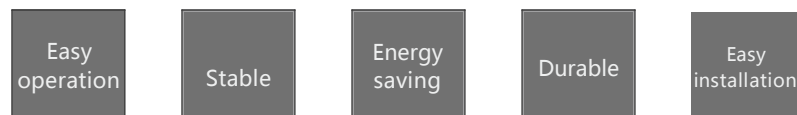
One stop solution to the  
problem of compressed  
air purification

## 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.

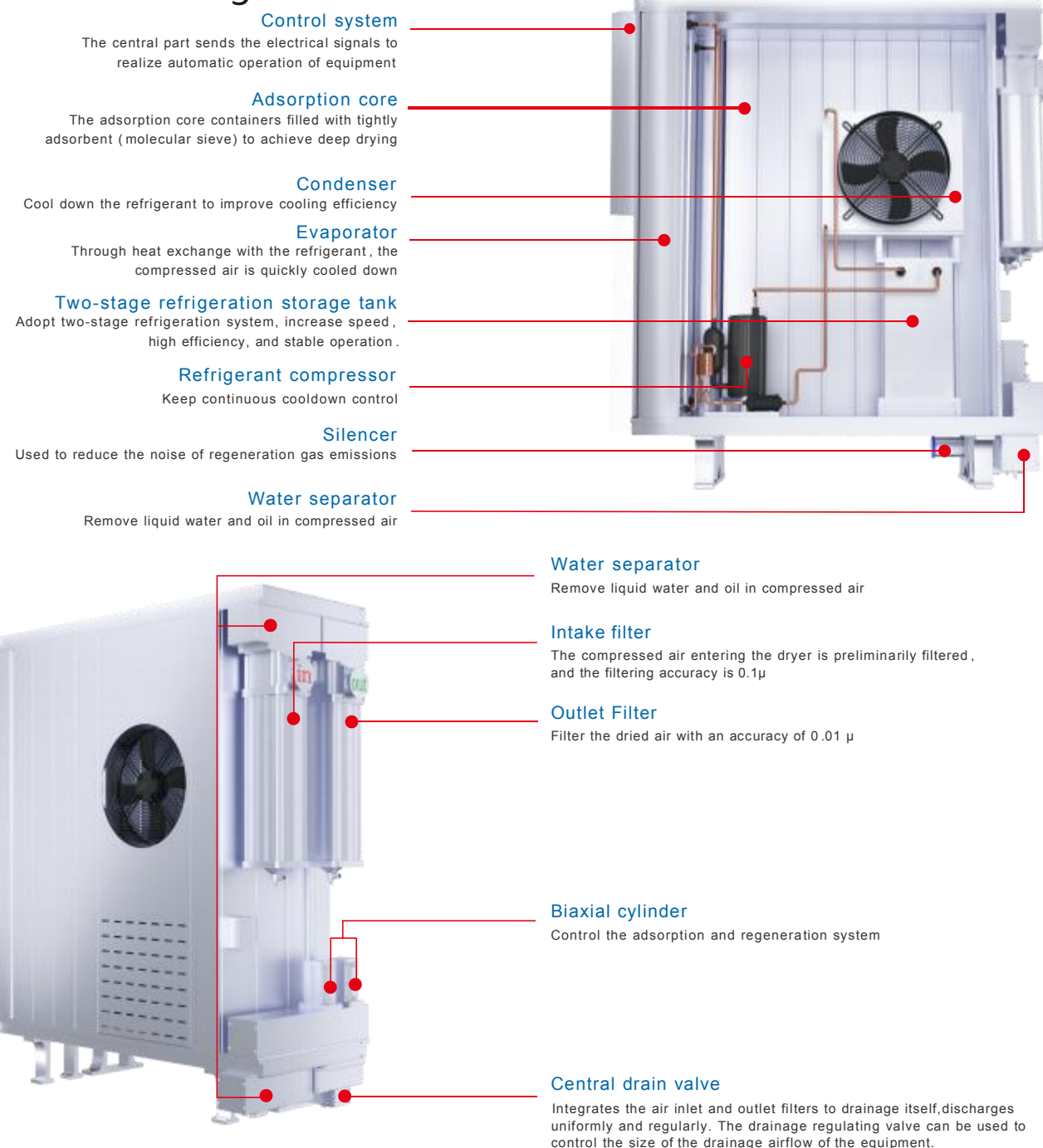


## Product advantages

- 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

