

FCAD series Compressed Air Dryers

FCAD-4



Please read the brochure carefully before operation.

FCAD Series

Compressed AirDryer

CodingPrincipie





Notes:* DP= Dew-point Meter HT= 180°(High temperature type P = Polish Internal Hopper

FCAD-4

Features

- P.I.D. temperature controller can reach the accuracy of \pm 1 $^\circ\!C$,
- Equipped with compressed air to avoid the effects of environment temperature and humidity and then provide good conditions of drying and stable.
- Stainless steel FCAD-4~8 hopper to ensure materials are not contaminated.
- Function of compressed air pressure detection makes a safe and reliable operation.
- Equipped with overheat protection to avoid excessively high drying temperature.
- Equipped with air outlet filter, which is used to filter dried air exhausted to outside.
- Equipped with a 7-day 24-hour automatic switch timer to operate easily.
- Equipped with warning light can monitor machine operation.



Operation interface

WorKingPrinciple

1.FCAD-4~8 working principle

The compressed air is pressed through the hole, and the mud passer enters the heat-free device and blows into the buckle heat box. After heating, it blows to thousands of dry materials to simply dry the raw materials. After heating, the compressed air is blown into the insulated material barrel to dry the raw materials, and the wet and hot air is reused by a recycled filter.



According to the flow chart, the inlet compressed air (6~10bar) figure (0), press the impurities- removing air filter (oil filter)- (1),then enter the solenoid (2) to open, press the air into the machine to start operation. When the power supply stops, the compressed air supply stops the solenoid value (2) is turned off. Through (2) repulsing air-a pressure sensor (3) to prevent the heater (23) from overheating when the gas supple is insufficient.

The air from the solenoid valve (2) is sent to the two dehumidification towers (5) at the bottom of the tower and controlled by electromagnetic modulation (4) switches to the dehumidification tower (5),the compressed air will be sent to the full top (6L) one-way flow adjustment, and the adjusted compressed air will enter the (5R) dehumidification tower to discharge moisture from (20) electromagnetic idle. From the dehumidified /compressed air is moved to the current direction through one-way flow adjustment (6L, and the pressure will not drop by stopping the wide supply. At the valve exit (6L, the flow reaches the solenoid valve (7), and the one-way flow adjustment (6R) has a strong pressure through the flow adjustment, and

the dehumidification tower (5R) is discharged water in it. Electromagnetic valve is regularly replaced according to the progress of the dehumidification tower, repeated dehumidification and regeneration (2 minutes and 30 seconds per shield ring).

When operating under maximum pressure (6-10 bar), the dehumidification tower absorbs moisture from the internal air. Instead, when down from the top, part of the water is absorbed. This action is like a pressure switch. The pressure question and diameter depend on the absorption and the variables in the air.

The electric breaker (7) maintains the air intake in each direction and changes the air flow through the flow regulator (8).

The electromagnetic width is to operate two (regeneration/ dehumidification). Pressure reducer (9) is to prevent pressure from exceeding demand after reducing pressure. Then the two flow control systems are in the equilibrium. The first life (0) is preset to maintain the minimum air volume, and the second step (11) is carried out by the user according to the characteristics of plastic raw materials. The required air flow adjustment can be adjusted to view the flow meter (12),and then pass through the fixed throat (13) to the 1 heater.

In the throat outlet (13), the heating unit, temperature control unit (24) and temperature sensor probe (26) in the chamber gas supply to the heater (23) can be used to control the required heating temperature.

The air of the compressed dryer is connected to the joint (14), and the raw materials to be dehumidified Expand the supply of dehumidifying air Dispersion cone (18). The top overheating temperature is detected by the temperature sensor probe. After the orchid temperature reaches the required set temperature, the energy-saving control will be activated, electromagnetic tone 7 will be turned on, and measures will be activated, electromagnetic tone 7 will be taken when the required temperature is reached (8) to reduce the air flow into the hopper. This can prevent materials from overheating and low energy consumption

The structure of the hopper is specially designed. If you want to discharge exhaust gas, you can use the number of tubes to discharge and install a filter at the standard outlet.

OutlineDrawings



Specifications

Model		FCAD-4	FCAD-8	
Temperature	°C	1 50 °C(1 80 °C High temperature selection)		Provid e dry compressed
Dew point	°C	-20°C		
Hopper volume	L	8	16	met,4°Cdew point and
Heater power	kw	0.7		oil insuffictient residual content 3mg/m ³ gauge requirements, stop the
Feeding tub e size	inch	1-1/4		
Dimensions of the exterior				change of the specification without notice, consulting business representatives
Height(L)		443	498	
Width(W)	MM	439	439	getup-to-date information
Extent(H)		788	823	
Weight	kg	20	25	
Total power	КW	0.7	0.7	
Compressed Air	100PSI , clean and dry compressed air,Dew-point 4°C.Residual 0i content insufficient $3mg/m^3$			
Reuired	- 40°C dew point, or compressed air dew point of more than 4°C			
Notes : 1)compressed air: Oil c 2)Power supply: 1 \u03c6 , 23	content 3mg/m ³ 0VAC,suitable for	FCAD- 4~8		

Product specifications are subject to change without prior notice



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