FORMAX®

HERE BEGINS YOUR ULTIMATE VALUE

FCAD series
Compressed Air Dryers

FCAD-4

Please read the brochure carefully before operation.

FCAD Series Compressed AirDryer

■ CodingPrincipie

FCAD - XX - X

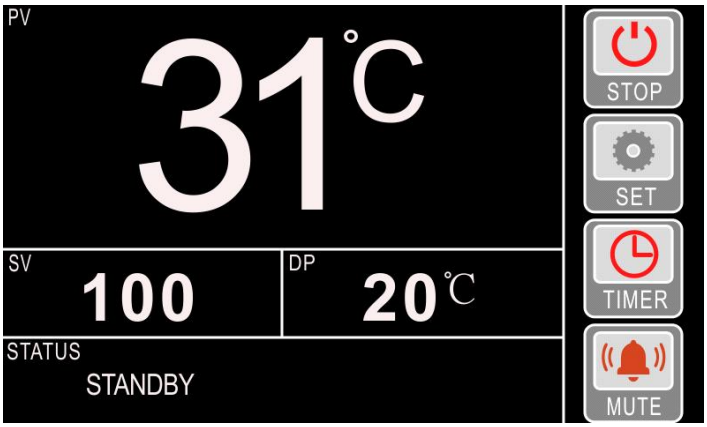
- X → Option*
- XX → Hopper Capacity (KG)
- FCAD → Formax Compressed Air Dryer

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 ± 1℃,
- 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.

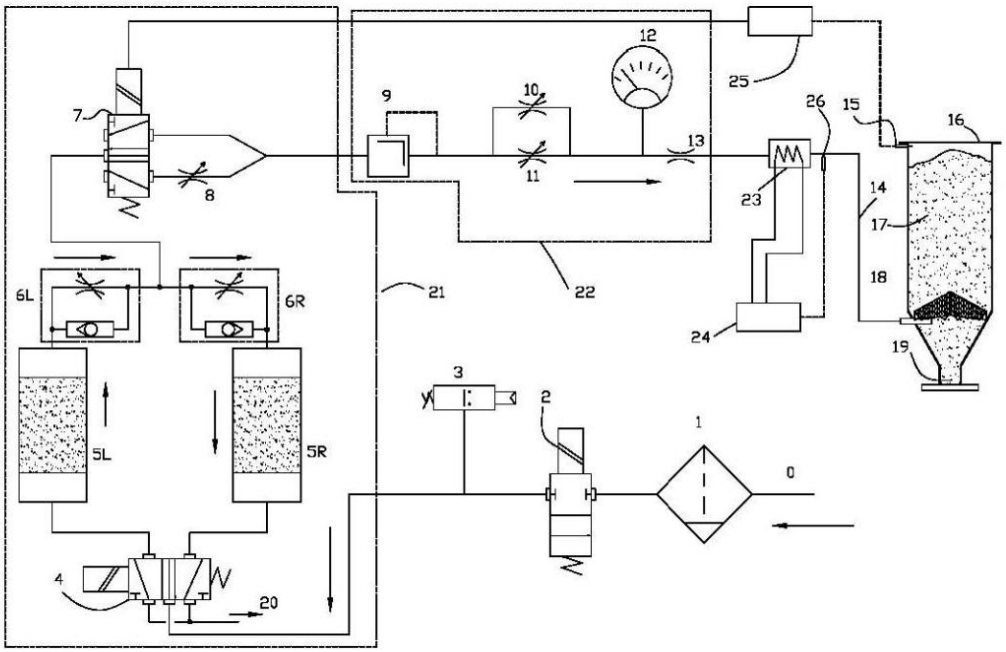


Figure 1

1. Oil filter
2. Intake solenoid valve
3.Pressure switch
4. DX/SX screen box electromagnetic
5. Heat-free device barrels
6.Single-phase flow regulator
7. Flow exchange solenoid value
8. Flow Regulator
9.Pressure reducer
10. Flow regulator (preset)
11. Flow regulator (adjustable)
12.Flow pressure gauge
13. The larynx
17. Feed container
23.Electric resistance
24. Process temperature controller (Plate control)

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).

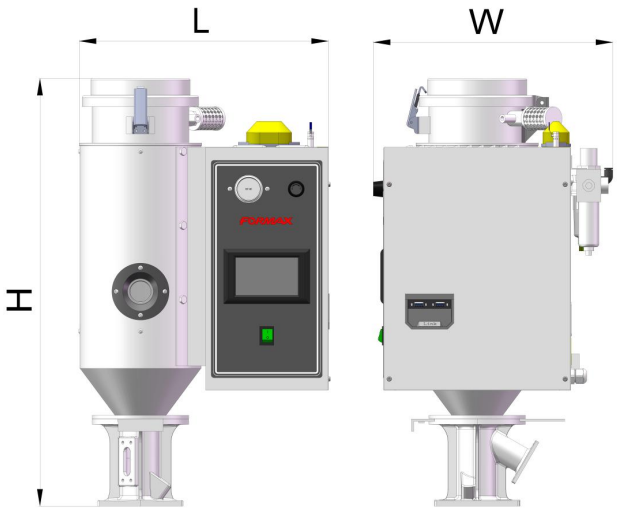
The electromagnetic width is to operate two (regeneration/ dehumidification) . Pressure reducer (9) is to prevent pressure from exceeding demand after reducing pressure. Then the two flow control systems are in the equilibrium. The first life (0) is preset to maintain the minimum air volume, and the 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 turned on, and measures 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



FCAD-4~8

■ Specifications

Model		FCAD-4	FCAD-8
Temperature	℃	1 50 °C(1 80 °C High temperature selection)	
Dew point	℃	-20℃	
Hopper volume	L	8	16
Heater power	kw	0 .7	
Feeding tub e size	inch	1-1/4	
Dimensions of the exterior			
Length(L)	MM	443	498
Width(W)		439	439
Height(H)		788	823
Weight	kg	20	25
Total power	KW	0.7	0.7
Compressed Air	100PSI , clean and dry compressed air,Dew-point 4°C.Residual 0il content insufficient 3mg/m³		
Reuired	- 40°C dew point, or compressed air dew point of more than 4°C		

Notes :

1)compressed air: Oil content 3mg/m³

2)Power supply: 1 ϕ , 230VAC,suitable for FCAD- 4~8

Provid e dry compressed air,100 P.S I must be met,4°Cdew point and oil insuffi cient residual content 3mg/m³ gauge requirements, stop the change of the specification without notice, consulting business represe ntatives getup-to-date information

Product specifications are subject to change without prior notice

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