

FORMAX®

HERE BEGINS YOUR ULTIMATE VALUE

FCAD Series
Compressed Air Dryer

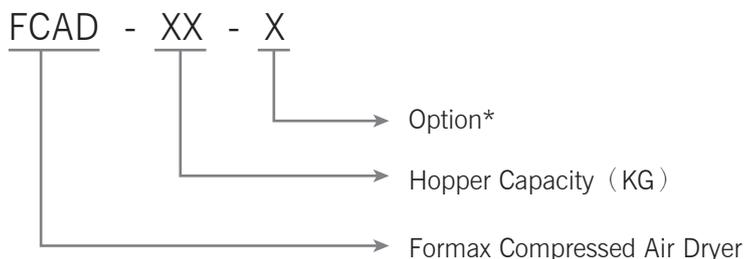
FCAD-4V



Please read the brochure carefully before operation.

FCAD Series Compressed Air Dryer

■ Coding Principle



Note: *
 DP=Dewpoint Meter HT=180°C High Temperature
 P=Polish Internal Hopper

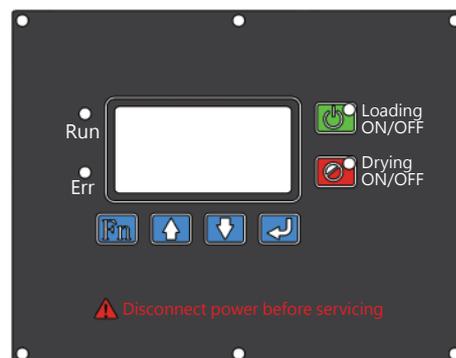


FCAD-1V

■ Features

Standard Configuration

- P.I.D temperature controller can reach the accuracy of $\pm 1^{\circ}\text{C}$,
- Equipped with compressed air to avoid the effects of environment temperature and humidity and provide good conditions of drying and stable.
- FCAD-1 with double-layer high temperature resistant glass tube, easy to view the materials level.
- FCAD-4~50 hopper is made of stainless steel, ensure that materials are not contaminated
- With compressed air detection , machine runs safely and reliably.
- 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 7days 24 hours switch on/off, easy operation.
- Equipped with warning light can monitor machine operation.

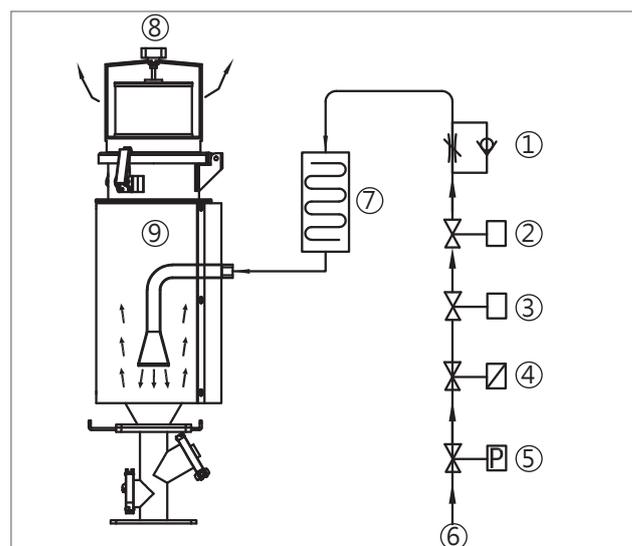


Control Panel

■ Working Principle

1. FCAD-1~8 :

Compressed air passes through pressure regulating valve, solenoid valve, filter, dehumidification devices then through throttle valve blowing into heater box and released to the atmosphere, decrease air dew-point, the compressed air be heated then blowing into insulation hopper to process drying materials , hot and humid air through filter released to the atmosphere, to achieve the purpose of removing moisture from plastic materials

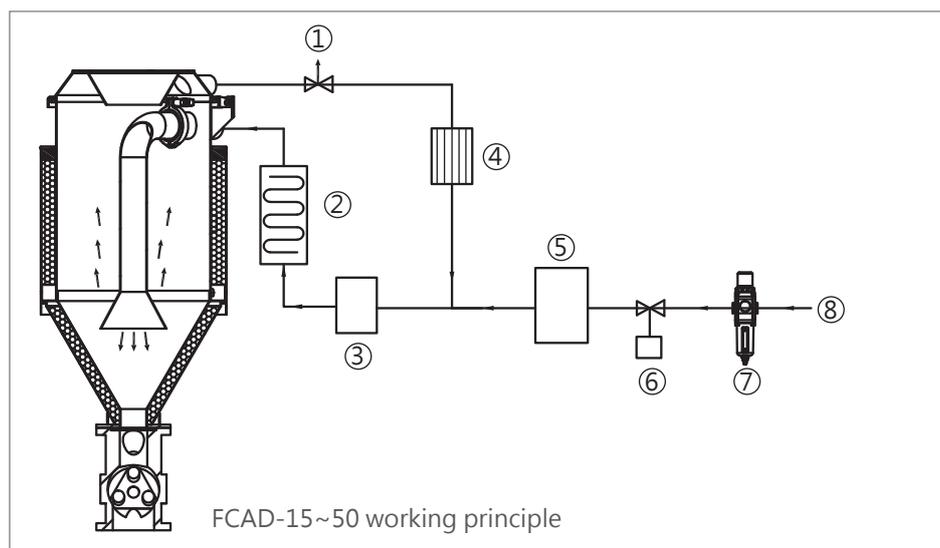


FCAD-1~8 working principle

- | | |
|-----------------------------|------------------|
| ① Check valve | ⑥ Compressed air |
| ② Dehumidifying device | ⑦ Drying heater |
| ③ Water filtration | ⑧ Exhaust filter |
| ④ Solenoid valve | ⑨ Hopper dryer |
| ⑤ Pressure regulating valve | |

2. FCAD-15~ 50

Compressed air passes through pressure regulating valve and filter then goes into heatless appliance and blows into heater box, compressed air after heating then into hopper dryer for drying materials, hot and humid air through recycle filter for reuse.



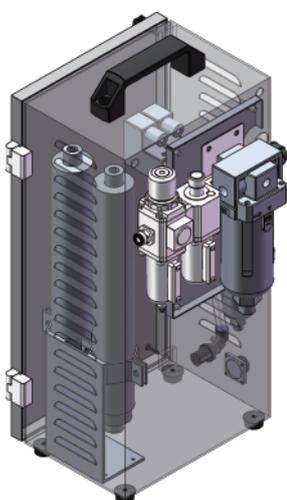
- ① Moisture discharge
- ② Drying heater
- ③ Blower
- ④ Filter
- ⑤ Heatless appliance
- ⑥ Water filtration
- ⑦ Pressure regulating valve
- ⑧ Compressed air

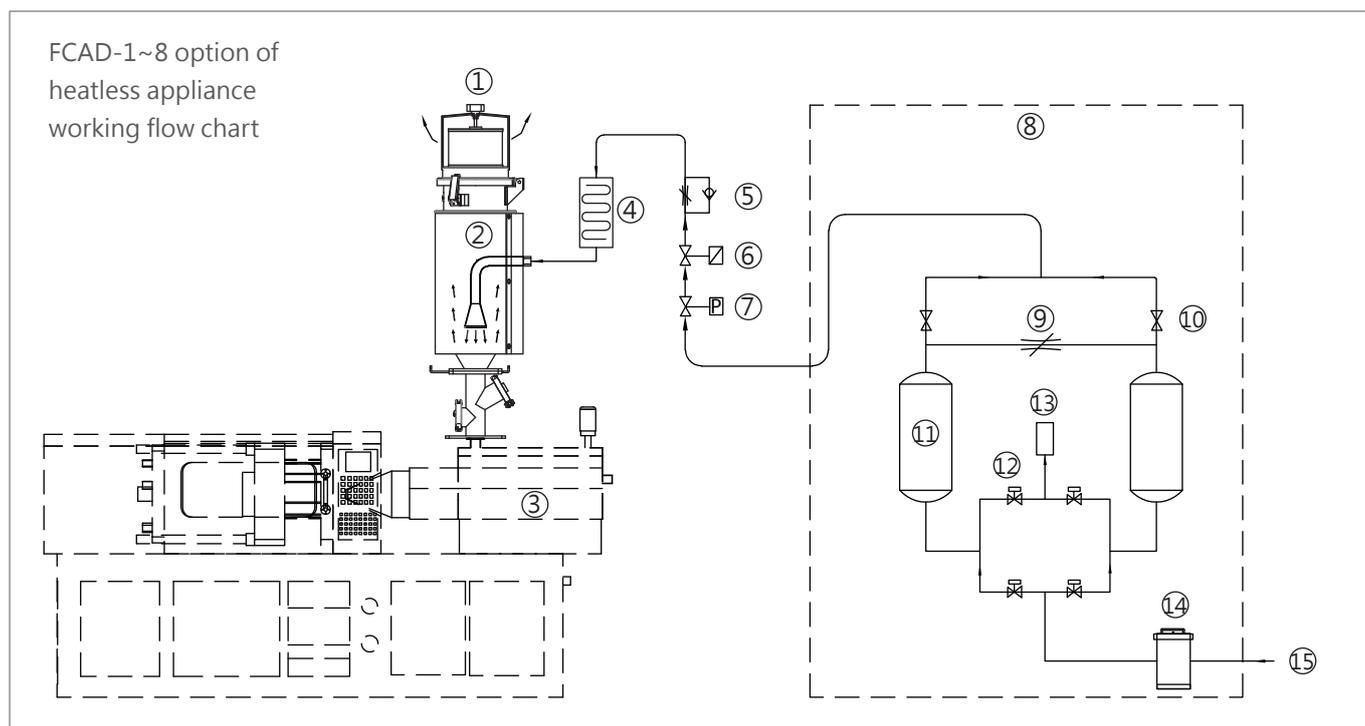
■ Options

- FCAD-1~8 The heatless appliance as optional, its dewpoint can reach below -40°C , particular for those materials with strong hygroscopic, and energy consumption less than honeycomb rotor 35%.
- FCAD-V (venturi loader as optional)

The purpose of option :

- FCAD-1~8 The standard air dewpoint as -15°C , for those special materials need air dewpoint reach below -40°C , which can select heatless device for drying materials to meet plastic molding requirements.

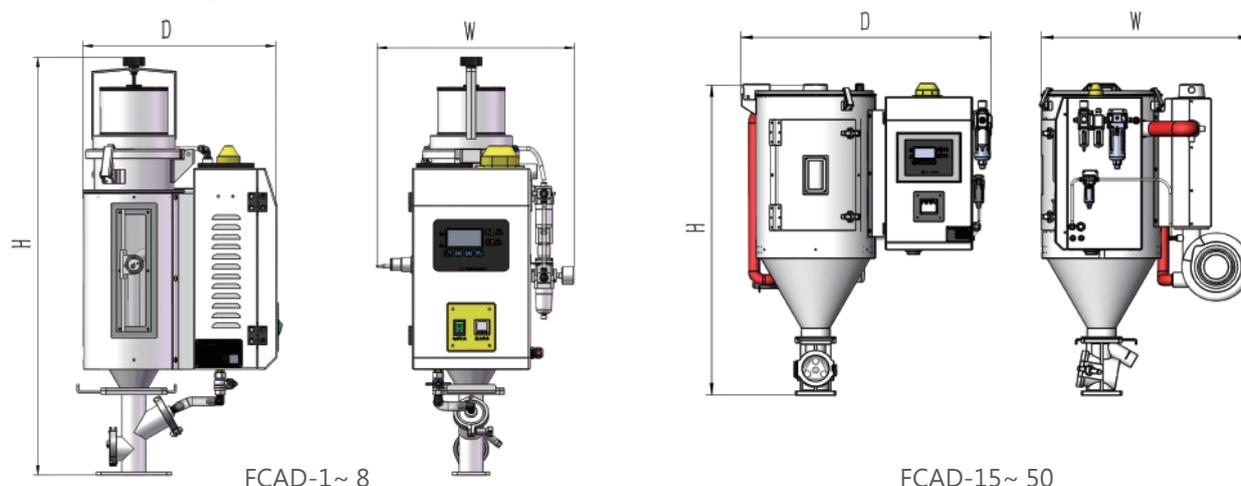




Heatless Installation Principle

- | | |
|-----------------------------|-----------------------------------|
| ① Exhaust filter | ⑨ Way valve |
| ② Hopper dryer | ⑩ Check valve |
| ③ IMM | ⑪ Desiccant tower |
| ④ Drying heater | ⑫ Soleniod valve |
| ⑤ Check valve | ⑬ Regeneration air exhasut |
| ⑥ Solenoid valve | ⑭ Air regulating valve and filter |
| ⑦ Pressure regulating valve | ⑮ Compressed air |
| ⑧ Heatless appliance | |

■ Outline Drawings



■ Specifications

Model		FCAD-1	FCAD-4	FCAD-8	FCAD-15	FCAD-30	FCAD-50
Hopper Capacity	kG	1	4	8	15	30	50
	Ltr	1.5	8	16	30	50	80
Dewpoint	°C	-15°C			-40°C		
Temperature Range	°C	150°C (180°C as optional)					
Heater	kW	0.5	1		1.6	2.7	4
Voltage		3Ø · 220~460VAC · 50/60Hz					
Feeding Tube Size	inch	1-1/4					
Outline Dimensions							
H	mm	852	893	944	903	1080	1172
W		350	435	435	700	721	833
D		394	417	470	732	864	929
Net Weight	kG	12	20	25	30	35	45
Compressed Air		100PSI, clean and dry compressed air · Dew-point 4°C : Residual oil content insufficient 3mg/m ³					

Specifications are subject to change without prior notice.

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