

# DRYING

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## DFG Series

### Features



The controller with alarm function is controlled by microprocessor for easy operation. The easy-to-read control panel is designed for ease of use and user friendliness.

### New Corrugated Honeycomb



Even the inside of the honeycomb element is supported by zeolite, producing lower dew point air (-40°C).

The zeolite as a desiccant has high absorption efficiency even in dehumidifying the high temperature air of 100°C and the air of low humidity.

Crystalline zeolite has a microporous structure, reducing heat deterioration and minimizing a decline in dehumidifying efficiency. Honeycomb structure saves energy and reduces pressure loss.



DFG-50Z-KI

### Secondary Quantify Conveying with Cleaning



- Prevents the resin from remaining in the pipeline and from absorbing moisture again

### Dry Air Conveying

Dried material is conveyed into a molding machine with dry air, preventing moisture absorption, material temperature drop and entry of foreign matter during conveying.

### Inverter Control

- Secondary Two-way Conveying
- Oil Demister (High Quality Made in Japan)  
Suitable for drying oil base plastic resin
- Conveying Blower up  
Suitable for the long distance conveying
- Alarm Lamp  
Provide alarm lamps

Kawata's original "Air Blend Hopper", which is mounted on a molding machine, removes resin powder and foreign matter by air flow after conveying.

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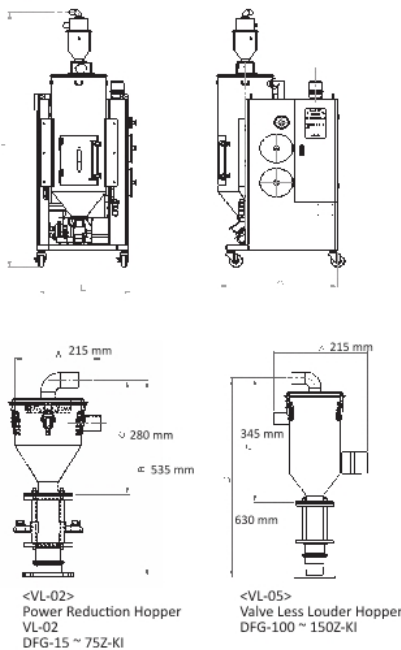
## 9 Models to Meet Growing Demand

### DFG Series Specification

Model	DFG-15Z-KI	DFG-25Z-KI	DFG-50Z-KI	DFG-75Z-KI	DFG-100Z-KI	DFG-150Z-KI	DFG-200Z-KI	DFG-300Z-KI	
Air Flow (M3/h) (50/60Hz)	35/45		50/60	80/100		110/120	145/160	220/240	
Dew Point (°C)	-40								
Drying Temperature (°C)	65-160								
Drying Blower Capacity (kw) (50/60Hz)	0,17		0,28	0,55		1,3	2,3	3,3	
Regeneration Heater Capacity (kw) (50/60Hz)	2,0			2,7			4,0		
Regeneration Blower Capacity (kw) (50/60Hz)	0,09					0,17			
Desican Chamber Motor Capacity (kw) (50/60Hz)	0,025								
Drying Hopper	Effective Capacity (L)	25	42	84	125	167	250	500	
	Feeding Volume (kg)	15	25	50	75	100	150	300	
	Material Contac Surface	SUS304							
	(kw) Drying Heater capacity (50/60Hz)	2,0	2,7	4,0		6,0		9,0	
Accessories	Dehumidified air circulation conveying, batch conveying, glass wool insulation								
Convey-1	AL-02 Magnetic Sensor		AL-05 Magnetic Sensor			AL-10 Magnetic Sensor			
Convey-2	VL-02 Photo Sensor			VL-05 Torque Level Sensor		VL-10 Torque Level Sensor			
Conveying Blower Capacity (kw) (50/60Hz)	0,55			1,3					
Power Supply (KVA) (50/60Hz)	5,3	6,2	8,0	8,9	10,3	15,3	19,8		
(L/min) Compressed air requirement	5 (0,4-0,6Mpa) (Piping diameter 6 mm)								
(L/min) Cooling water requirement	No need					15 (0,1-0,3 Mpa at 32°C) 15 (0,1-0,3 Mpa below 32°C) (pipe size 16*2)			
Accessories	PVC (38*20M), Suction Pipe (38*650*1), Power Cable 5M, signal cable 5M								
Painting	Frame	Y15-85A							
	Control panel Door	Y59-50D							
Weight (kg)	265	297	335	365	475	485	800	850	
Cooling metode	Air Cooled					Water Cooled			
Dimensions (A x B x C) mm	864x696x1604	846x696x1844	883x746x2164	966x746x2264	1137x746x2274	1193x746x2496	1452x900x2630	1516x900x2850	

\* The dew point varies according to ambient air conditions.

### Outlines Dimensions



### Flow System DFG-50Z-KI

