

DRYING

DRG Series

PID Control Panel



- PID control for accurate temperature control
- Alarm lamps flashes anomaly occurs, and the cause of anomaly (anti-phase, overload, upper temperature limit, lower temperature limit, thermocouple break, empty level switch error, contactor abnormal contactor, external abnormal) will be shown on panel
- Automatic appointment start function as standard
- Control panel makes operation easier



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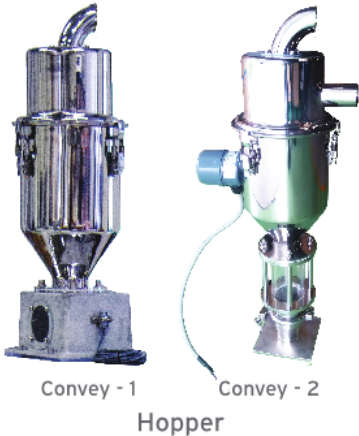
Secondary Quantify Conveying with Cleaning



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

Visualization Maintenance

- Easy & convenience raw material change
- Change & clean material in 15 minutes



Option

- Boiling Power Reduction Hopper (Option)
- Removes resin powder and foreign matter
- Kawata's original "Boiling Power Reduction Hopper", which is mounted on a molding machine, removes resin powder and foreign matter by air flow after conveying.
- 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

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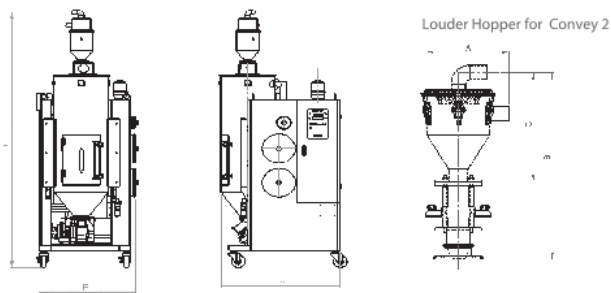
9 Models to Meet Growing Demand

DRG Series Specification

Model	DRG-15Z-KI	DRG-25Z-KI	DRG-50Z-KI	DRG-75Z-KI	DRG-100Z-KI	DRG-150Z-KI	DRG-200Z-KI	DRG-300Z-KI	
Air Flow (M3/h) (50/60Hz)	35/45		50/60	80/100		110/120	145/160	220/240	
Dew Point (°C)	-25								
Drying Temperature (°C)	65-160			75-160			80-160		
Drying Blower Capacity (kw) (50/60Hz)	0,17			0,55		1,3	2,3	3,3	
Regeneration Heater Capacity (kw) (50/60Hz)	2,4			2,7	4,0		12		
Drying Hopper	Effective Capacity (L)	25	42	84	125	167	250	500	
	Feeding Volume (kg)	15	25	50	75	100	150	300	
	Material Contact Surface	SUS304							
	(kw) Drying Heater capacity (50/60Hz)	2,0			2,7	4,0		6,0	9,0
Accessories	Circulation conveying, batch conveying, glass wool insulation								
Convey-1	AL-02 Magnetic Sensor			AL-05 Magnetic Sensor			AL-10 Magnetic Sensor		
	VL-02 Photo Sensor			VL-05 Torque Level Sensor			VL-10 Torque Level Sensor		
Convey-2	0,55			1,3					
Conveying Blower Capacity (kw) (50/60Hz)	5,7			7,2	10,9	11,8	24	28,5	
(L/min) Compressed air requirement	5 (0,4-0,6Mpa) (Piping diameter 6 mm)								
(L/min) Cooling water requirement	No need								
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)	170	180	193	225	290	310	440	505	
Dimensions (A x B x C) mm	864x696x1604	846x696x1844	883x746x2164	966x746x2264	1102x718x2274	1143x718x2496	1402x840x2620	1457x840x2850	

* The dew point varies according to ambient air conditions.

Outlines Dimensions



DRG - 15, 25, 50, 75, 100, 150, 200, 300 Z - KI

Convey-2 Hopper Specification

Model	VL-02	VL-05	VL-10
A (mm)	215	215	325
B (mm)	535	630	692
C (mm)	280	345	375
Sensor	Photo sensor	Torque level sensor	
Pipe Size (mm)	ø38		

Standard Drying Capacity by Type of Resin

Resin	Drying temperature (°C)	Drying time (h)	DFG(DRG) 15ZB-KI	DFG(DRG) 25ZB-KI	DFG(DRG) 50ZB-KI	DFG(DRG) 75ZB-KI	DFG(DRG) 100ZB-KI	DFG(DRG) 150ZB-KI	DFG(DRG) 200ZB-KI	DFG(DRG) 300ZB-KI
ABS	80-90	2-4	5	8	17	25	33	50	66	100
PC-ABS	80-100	3-5	3	6	12	18	25	35	50	70
PMMA	80-90	4-6	3	6	12	18	25	35	50	70
PC	120-130	2-4	5	8	17	25	33	50	66	100
PET	140-160	2-4	5	8	17	25	33	50	66	100
PBT	110-160	2-4	5	8	17	25	33	50	66	100
PA	70-80	4-6	3	6	12	18	25	35	50	70
PA	80-120	3-4	5	8	17	25	33	50	66	100
TPY	50-100	4-6	3	6	12	18	25	35	50	70
PPS	130-180	2-4	5	8	17	25	33	50	66	100
PPO	80-110	2-3	5	8	17	25	33	50	66	100
POM	80-110	3-4	5	8	17	25	33	50	66	100
PET-G	65-70	4-6	3	6	12	18	25	35	50	70