

Options

Model	DRK-15Z-	DRK-25Z-	DRK-50Z-	DRK-75Z-	DRK-100Z-
Special suction pipe	○	○	○	○	○
SL-38 Autoselector	○	○	○	○	○
Secondary two-way conveying/	○	○	○	○	○
Cyclone separator	○	○	○	○	○
Oil demister	○	○	○	○	○
Dew point instrument	○	○	○	○	○
Leakage switch of main power	○	○	○	○	○
Conveying blower up	○ (1.3kW)	○ (1.3kW)	○ (1.3kW)	-	-

○The option marked with ○ are available

● Secondary two-way conveying

- Suitable for one dryer to convey to two injection machines

● Oil demister

- Suitable for drying oil base plastic resin

● Conveying blower up

- Suitable for the long-distance conveying

*These specifications are subject to change without notice.

*Before start-up operation, please refer carefully to the manuals to be well informed.

Kawata U.S.A.,INC.

www.kawata-usa.com



Dehumidifying Dryer



DRK Series CHALLENGER α

Advanced Technology, Performance and
Quality Stability UP

Competitive Pricing

- Energy conservation
- Reserved IoT communication port
- Whole machine conforming to CE standard with reliable safety performance



● High reliability



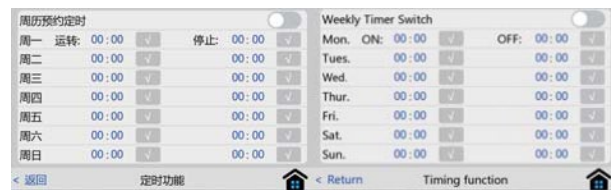
- Using SSR heating control, long service life, high-reliability
- CE certified

● Interactive Human-computer Interface

- High definition capacitive touch screen
- Real-time monitoring of temperature, dew point (OPTION) and air flow (OPTION)
- Alarm history and other information can be displayed
- Visual interface and humanized operation
- Weekly calendar timing operation function

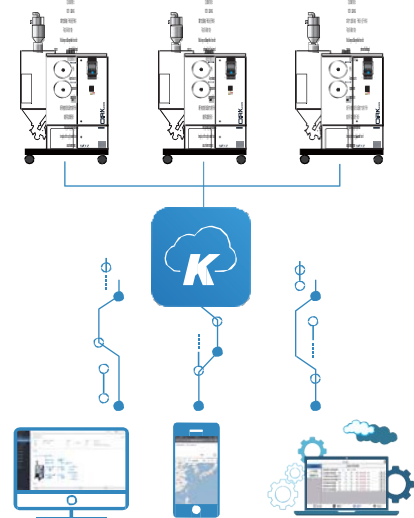


- By time setting, it can be started and stopped repeatedly everyday within a week



● Multi-functional Internet of things

- RS422 / 485 serial port, RJ45 Ethernet port
- Modbus-Rtu, SPI, Modbus-Tcp communication
- Reserved expansion communication port Connecting to KAWATA K-Cloud Platform(OP) For big data processing including remote monitoring and control, data statistics and analysis, machine life management(OP)
- Run data storage and export



PC client Mobile client OPC User configuration

- Single cylinder type desiccant chamber Rational design of inspection and maintenance
- The drying & conveying & regenerating filters should be regularly and thoroughly cleaned

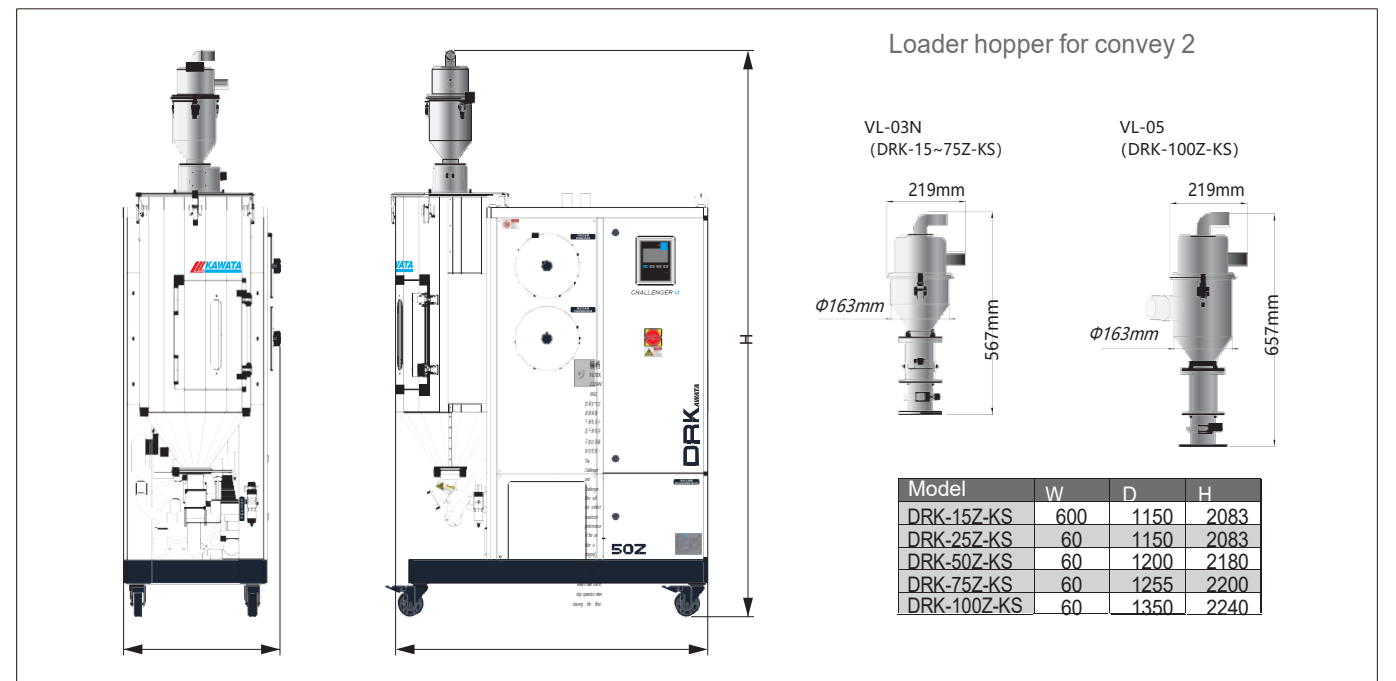
- By rational design, integrate the drying and regeneration process. It can conserve energy, reduce the cost and the thermal load, while ensuring the drying performance

Specifications

Model	DRK-15Z-	DRK-25Z-	DRK-50Z-	DRK-75Z-	DRK-100Z-	
Air flow (m³/h)	35			80		
Dew point (°C)	-25 ※					
Drying temperature (°C)	80 ~ 160					
Drying blower/regeneration blower capacity (kW)(50/60Hz)	0.17/0			0.55/0.85		
Regeneration heater capacity (kW)	2.			4.0		
Drying hopper	Effective capacity (L)	2	4	8	12	
	Feeding volume (kg)	1	2	5	75	10
	Drying hopper inner material	SUS304				
	Drying heater capacity (kW)	2.4			4.0	
Accessories	Circulating air conveying, batch conveying, glass wool insulation					
Primary hopper (Convey-1)	AL-05					
Blower capacity (kW)(50/60Hz)	0.55/0.85			1.3/1.9		
Secondary hopper (Convey-2)	VL-03N			VL-05		
Blower capacity (kW)(50/60Hz)	0.55/0			1.3/1.9		
Main breaker capacity (380-415/200-220V)(A)	1			32		
Power supply (kW)(50/60Hz)	3.4/3.8			5.9/		
Compressed air requirement (L/min)	5 (0.4 ~ 0.6MPa)(Pipe size Φ8)					
Cooling water volume (L/min)	No need					
Accessories	PVC flexible hose Φ38 × 20m, Suction pipe Φ38 × 650mm × 1, Power supply cable/ 5m					
Paint color	SS part	NITTO-KO KN-93/K75-20D				
	SUS part	None				
Weight (kg)	21	225	240	269	28	

※ The dew point varies according to ambient air conditions.

Dimensions



Model	W	D	H
DRK-15Z-KS	600	1150	2083
DRK-25Z-KS	60	1150	2083
DRK-50Z-KS	60	1200	2180
DRK-75Z-KS	60	1255	2200
DRK-100Z-KS	60	1350	2240