MATSUI

DPD3.1

Thermal Conduction & Vacuum

Technical innovation and Big gain for drying efficiency
A brand-new Dryer from Matsui, a specialist in Drying System

Features :

1.DPD shortens time required for drying by using the energy-saving high-thermal conduction method. This also improves the effect of gas removal and hence,reduces the frequency of maintenance on the mold surface.

2. Air Shock Function Some plastic materials are susceptible to bridging and blocking. The air shock function solves such problems.

3.Energy Saving Instead of direct heating of materials, energy used is being halved by using the thermal conduction process from which moisture is been removed by vacuum.

4. Reduce need for mold maintenance Heating of plastic pellets discharge a gas forms a film on the mold surface. As Matsui's Thercuum heats by thermal conduction, it eliminates the formation of harmful mold films and hence, reduces the need for maintenance.

5. Easy Maintenance

Plastic pellets can be easily discharged due to the pneumatically controlled top lid and the large discharge damper. Thanks to the smooth surface of the extruded fins, materials do not stick onto the hopper. This brand new design improves efficiency of cleaning.

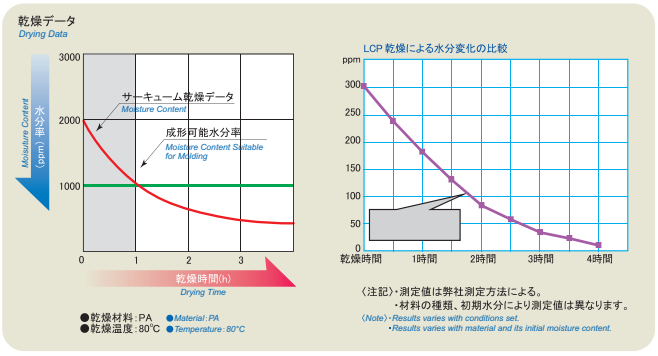
6. Efficient Drying

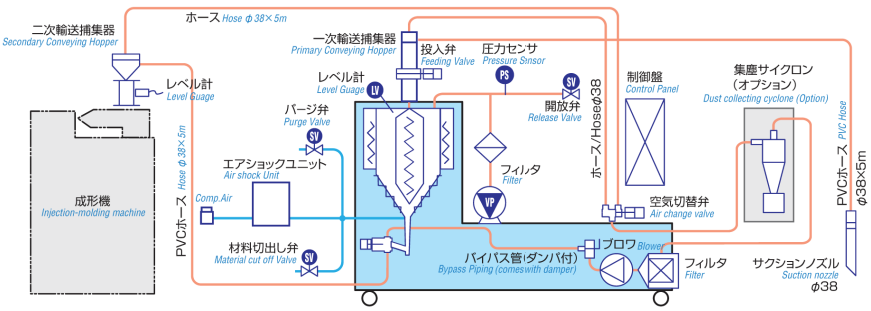
Creates a decompressed environment quickly using the large vacuum pump. Unlike common conduction methods that cause differences in quality of drying, DPD allows the setting of the temperature controlconstant for each block and high precision in temperature control.

7. Improves Mold Quality

Low-temperature and low-pressure drying process prevents yellowing and oxidation. This improves the quality of mold.

Vertical construction uses minimal floor space.





乾燥温度(℃) Drying Temp.		～130		
乾燥時間(h) Drying Time		1	2	3
能力 Capacity	～1 kg/h	DPD3.1-5-J	DPD3.1-5-J	DPD3.1-5-J
	～3			DPD3.1-15-J
	～5	DPD3.1-15-J	DPD3.1-15-J	
	～7.5			
	～15			

Standard specifications

voltage AC 200/200 220V (50 Hz-60 Hz) 3 Phase

Model Thercuum	Max. Temp	Hopper (By Aluminum) Cap	Hopper (By Aluminum) Heater	Vacuum Pump Max Exhaust L/mm.	Vacuum Pump Vacuum	Vacuum Pump Motor kW	Convey Blower Max. M^3/Min	Convey Blower Pressure Air Flow Kpa.	Convey Blower Motor kW	Primary Hopper Cap (L)	Secondary Hopper Cap (L)	Branch Valve (mm)	Conveying Hose Material	Conveying Hose Vacuum	Outside Dimension (W x D x H) mm.	Weight (Kg.)	Option	Apparent Power (kVA)	Breaker (A)
DPD3.1-5	140°C	6 Kg. (11 Litre)	800W	-57	-94 KpaG	0.2	2.0/2.5	10.4/14.1	0.55/ 0.85	2	2	Dia.38	38mm.	38mm.	710x570x1391	210	2 Way Conveying	3.5	15
DPD3.1-15	140 °C	15 Kg. (25 Litre)	2240W	48-57											710x570x1585	240	Cyclone Dust Collector	6.0	20