

Dehumidifying Dryer



Features

- The low dew point (-40°C) is easily maintained without aid of a chiller.
- The DMZ system can produce low dew point dehumidified air, unobtainable from the traditional multi-tower system.
- A desiccant rotor with ceramic paper, the heart of the dehumidifier, slowly turns three times an hour, repeating a cycle of regeneration, heating, cooling, and dehumidification. The DMZ system thus provides a stable supply of dehumidified air.
- The rotor is called as such because of its desiccant shape. The rotor has a high void ratio and features low pressure loss. Since the molecular sieves are strongly bonded to ceramic paper and baked at 400°C (-752°F), the rotor does not produce any powder. Moreover, it offers a long service life without causing channeling. Since the rotor has a large contact area and a thin absorbent layer, it has excellent absorption capacity, at relatively high temperatures.
- Doesn't your drying process in the molding of plastics, involve such product problems as insufficient strength, dimensional error, lack of luster, or silver streaks? Solutions to these problems should be found before your customers start to complain or send products back. In particular, dehumidifying drying conditions are of great importance in the production of engineering plastics, which have been in increasing demand.

The R series hoppers have been drastically changed in design. With Matsui's unique diffuser cone, the DMZ is capable of maintaining resin temperature at a constant level. Since the hot air is evenly blown. The sheathed-type dryer heater is contained in a box, which has been re-designed to take rectification into account. The difference between the resin temperature and the preset hot air temperature has thus been minimized. Improved heater box sealing ensures that there are no air leaks.



Standard specifications

Model	Dryer heater capacity		Dryer blower output (kW)	Regeneration Blower output (kW)	Regeneration Heater output (Kw)	After-cooler Required water flow Rate L/min.	Breaker (Amp.) 50 Hz.		Out dimensions (approx.)		Applicable dryer hopper (standard)
	Standard Type (kW)	High temperature Type (kW)					380V/3P	(200V/3P)	W x D x H (mm) x (mm) x (mm)	Weight (Kg)	
DMZ2-40	1.5	2.1	0.38	0.047	1.5	6	10	(20)	440 x 570 x 1412	120	HD2-10, 15
DMZ2-80	2.4	4.0	0.9	0.099	2.4	10	16	(32)	500 x 704 x 1412	160	HD2-25, 50
DMZ2-120	3.3	6.0	1.5	0.099	3.1	10	20	(40)		200	HD2-75,100
DMZ2-170	5.1	7.8	1.5	0.38	5.8	10	32	(63)	786 x 885 x 1817	345	HD2-150,200
DMZ2-240	6.0	12.4	2.2	0.9	9.0	10	50	(100)		362	HD2-250,300
DMZ2-500	12.4	23.0	2.2	0.9	13.8	40	60	(125)	820 x 1285 x 2226	690	HD2-400,500
DMZ2-700	18.0	30.0	3.7	0.9	18.3	60	75	(175)	820 x 1695 x 2226	900	HD2-700
DMZ2-900	24.0	40.0	5.5	0.75	21.0	100	100	(225)	1425 x 1477 x 2226	1100	HD2-900,1,100

- Cooling tower water temperature: 32°C *
- The applicable dryer hopper may be changed depending on the material to be dried. Specification may be subject to change without notice.