

Dehumidifying Dryer MJ3-Series



Multi Jet 3 combines a Dehumidifying Dryer and inbuilt Vacuum Loader into one compact design. MJ3 has more features as standard equipment with a smaller footprint than comparable systems, giving you maximum performance in minimum space.

Features :

■ Honeycomb Rotor

- Matsui patent Honeycomb technology rotor.
- Stable dew point -40°C .
- Consistent Drying to sustainable molding process.
- Life expectancy 15 years for Honeycomb performance.

■ Power Saving

Insulated stainless steel bin prevents heat loss & to be provide stable temperature in bin for stable drying. Energy saving device saves electric consumption up to - 40% at varying throughputs.

■ Compact & Mobility

Dryer and Vacuum Loader integrated into a simplified structural design, ensures compact design and easy movement using castor wheels with brakes.

■ Reliability & Safety

Heater circuits have solid state relays, ensures better safety, better life & trouble free operation.

■ Stable Drying & Air Conveyance

With circuit of Dehumidifying Drying and Air Conveyance connected with Matsui's proprietary method, MJ3 ensures stable secondary air conveyance.

■ Maintenance

Routine maintenance can be performed from the front of the system, quickly and easily.

- Honeycomb life is more than 15 years
- Stable Dew point -40°C
- Maintenance Free



Suction Hopper



Honeycomb



Features :

- Effective Conveying
- Material Dust Removing
- Homogenous Mixing with Regrind Material

Aero Power Hopper



Features :

- Dry-Air Conveying
- Line Cleaning
(No Material Residual Pipe line)

Push-Damper / Line Cleaning Valve



Features :

- Material Conveying to the injection molding machine
- Direct Mounting on Injection throat

Material Vacuum Loader

Standard Specifications

Model	MJ3-10A	MJ3-15A	MJ3-25A	MJ3-50A	MJ3-75A	MJ3-100A	MJ3-150A	MJ3-200A	MJ3-250A	MJ3-300A
Drying Hopper Capacity (L)	17	28	44	90	125	170	250	350	425	500
Dew Point	-40℃									
Air Flow Rate (m3/h)	40			80		120		180	280	
Drying Temperature	80℃-160℃									
Drying blower motor output (KW)	0.22	0.38		0.9		1.5		2.2	1.5	
Regeneration blower motor output (W)	50			94				130		
Drying heating Capacity (kW)	1.2	2.1		4		6		9.1	15	
Regeneration heater Capacity (kW)	1.2	1.71		2.4		3		7	10.9	
Absorbent	Zeolite Rotor									
Absorbent Motor Output (W)	15							25	40	
Piping Drying (mm)	φ 38/50			φ 50				φ 65/90		φ 90
Piping Cooling	φ 20							φ 38		
Piping Regeneration (mm)	φ 38							φ 65	φ 90	
After Cooler Type	Cooling fan type					Cooling water type				
After Cooler Cooling water (L/min.)	—					10		20		
After Cooler Connecting Diameter (B)	—					3/8		3/8		
After Cooler Cooling Fan (W)	14+35					—				
Power Supply Voltage (50Hz)	415V 3P									
Operation Circuit Voltage	AC200V Single Phase									
Breaker Capacity (415V)	16A			20A		32A		40A	50A	
Compressed Air Pressure (Mpa)	0.5									
Compressed Air Pressure Volume (L/h)	10							20		
Conveyance Length Primary (m)	10									
Conveyance Length Secondary (m)	5							10		
Conveying piping (mm)	φ 38 PVC Hose							φ 50 PVC Hose		
Conveying blower motor output (kW)	1.1							3		
Drying Temperature Control	PID Control									
Regeneration Temp. Control	PID Control									
Alarm Protection Circuit	Prevents Overloading of Motor, Overheating (Drying, Regeneration), Conveying Alarm									
Weight (kg)	200	224	233	299	309	331	346	500	685	700

Specifications mentioned are subject to change due to continuous improvement.



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