

ROTARY ATOMIZERS

Rotary Atomizers are used in Spray Drying for atomizing the feed into fine droplets. In Rotary Atomizers, the kinetic energy of wheel rotation is used for atomization of the liquid.

Droplet size of atomized liquid depends upon liquid properties, disc speed, disc configuration etc. Bulk density is also one of the critical product requirement of spray dried products. The desired results can be achieved by using different Atomizer wheel configurations and optimizing atomizer speed, optimizing relevant feed properties.



AVM offers following models of Rotary Atomizers.

Model No	Wheel Diameter	Water Feed Rate	Connected Power
Model RDA-060	60 mm	20 ltr/h.	0.37 kW
Model RDA-100	100 mm	60 ltr/h.	1.10 kW
Model RDA-115	115 mm	120 ltr/h.	2.20 kW
Model RDA-160	160 mm	750 ltr/h.	5.50 kW
Model RDA-210	210 mm	1500 ltr/h.	11.00 kW
Model RDA-250	250 mm	3000 ltr/h.	37.50 kW
Model RDA-300	300 mm	4500 ltr/h.	45.00 kW
Model RDA-350	350 mm	10000 ltr/h.	75.00 kW
Model RDA-400	400 mm	12000 ltr/h.	110.00 kW

Wheel Configurations: Standard wheel with radial openings, Pin wheel, Curved Vane Wheel, Slotted wheel, Non String Forming Wheel, Umbrella type Wheel etc.

Lubrication System Options : Gravitational Wick Lubrication. / Forced Lubrication.

Optional Features: Speed Indication, Vibration Monitoring, Steam sparging.

Atomizer -RDA - 350



Pin Type Atomizer Wheel



Slot Type Atomizer Wheel



Umbrella Type Atomizer Wheel

