



RMA-590

Direct/Indirect Charge Hybrid Rotary Atomizer

The RMA-590 is the latest in a long line of proven rotary atomizers. The Hybrid's unique design allows it to apply both solvent and waterborne materials electrostatically. The waterborne coatings are applied using indirect charge while solventborne materials are applied with direct charge, making the RMA-590 the most versatile applicator in the market today.

The atomizer's flexibility allows you the versatility to spray both waterborne or solventborne materials with the same applicator, without cleaning out the entire system, saving valuable time and labor, and providing increased uptime. The atomizer's design incorporates the new Platinum Series turbine, capable of operating speeds up to 100,000 rpm for direct and indirect, keeping your operation running at top speed.

The RMA-590 utilizes state-of-the-art technology to ensure superior performance with consistent, high-quality results. The atomizer's highly polished exterior and aerodynamic design makes cleaning external surfaces a breeze.

The RMA-590 Hybrid Atomizer provides a cost effective solution for applying both waterborne and solventborne materials with one unique applicator.

FEATURES

- Internal solvent and air valves
- Reduced Downtime
- Serrated and non-serrated bell cup design
- 60° and 90° Angled Adapters
- Compact high voltage system

Electrical	
Power Supply Type:	MicroPak 2e
Charging Method:	Direct / Indirect
Output Voltage:	30-70 kV Variable - Indirect Charge 30-100 kV Variable - Direct Charge
Output Current:	1000 µA - Indirect or Direct Charge
Turbine Speed Control:	MicroPak 2e
Mechanical	
Weight:	
Indirect Charge Ring and Probes attached:	23.85 lbs. (10.82 Kg) max.
Without Indirect Charge Ring and Probes attached:	16.6 lbs (7.53 Kg)
Turbine Type:	Air Bearing Impulse Drive
Turbine Speed:	Up to 100,000 rpm (dependent on flow rate)
Angular Velocity (Robot Motion):	250°/sec.
Bearing Air Supply at the Applicator: (Nominal):	90 psig (±10 psi) (621 kPa ±69 kPa) 2.9 SCFM (82 slpm)
Brake Air Supply (Nominal):	60-100 psig (414-689 kPa)
Maximum Fluid Pressure Supply:	
Paint:	200 psi (1379 kPa)
Solvent:	150 psi (1035 kPa)
Fluid Flow Rate:	25-1000 cc/min. (Dependent on bell cup size, speed and flow rates) Available in 30mm, 55mm, 65mm
Note:	Air Heater is recommended for the turbine air supply.



RMA Series Applicators...RMA-590 the Robot Mount Atomizer delivers precise electrostatic finishing.

Let's start a conversation

We want to work together to help answer your application challenges. To learn more about what we can offer, visit our website at Carlisleleft.com or call us today.

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