



RMA-680

*Direct Charge
Robot Mounted
Rotary Atomizer*



The RMA-600 Series is Ransburg's next generation of automatic robot mounted electrostatic rotary atomizers developed with longer-lasting components to extend use in high production environments. Improved spray pattern control allows for cleaner operation and reduces cleaning frequency allowing for greater uptime and reduced maintenance.

The RMA-680 is designed specifically for the direct charge application of water borne coating materials which maximizes transfer efficiency. This applicator requires an isolated supply or voltage blocking system for fluid delivery. The 680 applicators can be equipped with a 30, 65, or 81mm cup based on application process needs.

Features

- Optimized Dual-Shaping Air
- Larger Range of Spray Patterns
- Improved Cleanliness
- Increased Transfer Efficiency

Increased Productivity

- New fluid nozzle design reduces solvent usage and cleaning time
- Quick disconnect tubing bundle allows applicator to be removed/replaced in less than two minutes

More Robust Components

- Longer life turbine
- New single piece splash plate design ensure correct installation every time
- Redesigned tubing bundle allows LV and FO cable replacement with removing from robot wrist

With the next generation 600 series applicators, Carlisle Fluid Technologies engineering team focused on improving applicator cleanliness and set out to eliminate “ghost patterns”. Ghost patterns are formed when atomized particles escape the desired forward spray pattern. These stray particles can be a major source of contamination on the applicator and within the spray environment. The engineering efforts have resulted in our new dual shape air technology that encapsulates the atomized particles into a well-defined, focused spray pattern, virtually eliminating the ability for atomized particles to stray. This allows our customers to experience cleaner applicators throughout production shifts and increased coating thickness on the parts indicating higher transfer efficiency.

Electrical	
Power Supply Type:	MicroPak 2e
Charging Method:	Direct, Internal Cascade
Output Voltage:	30-70 kV Variable (70 kV Max.)
Output Current:	125 µA Max.
Turbine Speed Control:	MicroPak 2e
Mechanical	
Weight Atomizer Only:	13.39 lbs. (6.07 Kg)
Turbine Type:	Air Bearing Impulse Drive
Turbine Air Supply:	Variable
Bell Cup/Turbine Speed (Min/Max):	65mm: 20,000 - 100,000 rpm
Tubing Bundle Max. Rotation:	450° in either direction
Bearing Air Supply at the Applicator:	90 psig (±10 psi) (621 kPa ±69 kPa) 2.9 SCFM (82 slpm)
Brake Air Supply:	60-100 psig (414-689 kPa) Nominal
Maximum Fluid Pressure Supply:	
Paint/Solvent:	200 psi (1379 kPa)
Cup Wash Solvent:	150 psi (1035 kPa)
Fluid Flow Rate:	25-1000 cc/min. (dependent on bell cup size, speed and flow rates)

Note: Air Heater is recommended for the turbine air supply.



Color coded tubing bundle for easy change-outs and operational efficiency.

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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