

Aerobell II™

electrostatic rotary atomizer

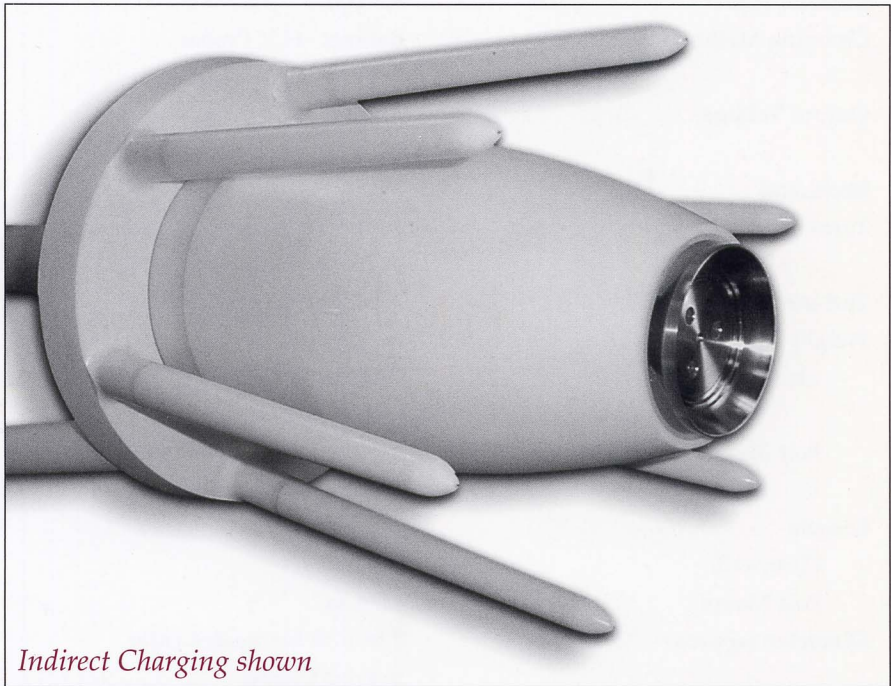
Description

The Aerobell II™ rotary atomizer provides superior electrostatic finishing on automotive vehicles and other similar surfaces. Exceptionally flexible, it can be configured for both indirect (external) charging—a proven method of charging waterborne material without the need to isolate the fluid system—and direct charging of solventborne paints. The transfer efficiency achieved meets or exceeds the requirements of our most demanding customers. The Aerobell II is designed with trigger, dump and bell wash enable valves integrated into the atomizer—minimizing color change time, paint loss and solvent usage.

ITW Ransburg's precision-designed turbines ensure maximum operating life and minimal failures. High-strength, solvent-resistant materials provide overall durability. Modular construction offers fast and easy maintenance.



Titanium Bell Cup



Indirect Charging shown

Features & Benefits

- Production proven Aerobell turbine with a 15,000 hour/3-year warranty.
- Long-lasting titanium bell cup.
- One-piece shroud with internal shaping air ring for precise control.
- Removable fluid valve manifold for trigger, dump and bell cup wash valves minimizing MTTR.
- Configurable as indirect (external) charge for grounded, waterborne systems or direct charge for isolated, solventborne systems.
- Modular design, unique radial fluid manifold, internal quick-change fluid valves and Aerobell quick-change turbine for fast, easy servicing.
- Serrated edge bell cup design eliminates air entrapment and provides smaller, more uniform paint particles.
- Slotted* shaping air design to provide even pattern distribution.
- Bell cup rotates up to 60,000 RPM to achieve optimum atomization for today's coating materials.
- Patented high-voltage circuit ensures that KV setpoint and bell cup KV are equal with no manual calibration required.
- Safety circuitry allows maximum flexibility in head-to-target distance for best efficiency and part coverage.

Specifications

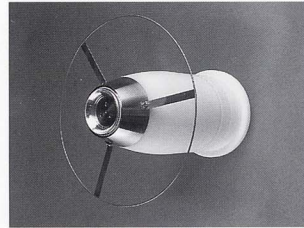
Electrical/Physical

Power Supply Type:	MicroPak™
Cascade Type:	RP1000
Charging Method:	Indirect - H.V. Probes Direct - Charged Bell Cup
Output Voltage:	70 kV max., Indirect Charge 100 kV max., Direct Charge

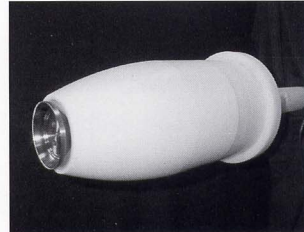
Mechanical

Turbine Speed:	10,000-50,000 rpm, Continuous 60,000 rpm max. Intermittent
Turbine Type:	Impulse-Rear Exhaust
Weight	
Cleanwall:	19.3 lbs. (8.75 kg.) – Indirect 14.3 lbs. (6.49 kg.) – Direct
Pole Mount:	21.7 lbs. (9.83 kg.) – Indirect 16.7 lbs. (7.58 kg.) – Direct
Length:	
Cleanwall:	13 in.
Pole Mount:	15 3/4 in.
Diameter: (approx)	9 1/8 in. @ Electrode Center Indirect Charge 5 3/4 in., Direct Charge
Turbine Air:	100 psi max., Intermittent 75 psi max., Continuous 10 scfm @ 40 krmp, Unloaded
Bearing Air:	70 psi min. / 100 psi max. 2-3 scfm @ 80 psi
Shaping Air:	100 psi max.
Brake Air:	100 psi max.
Valve Pilot Air:	60-100 psi
Fluid Delivery:	500 cc/min. max.
Atomization Pattern:	18 in. - 34 in.
Rotational Speed Control:	Fiber Optic

Please refer to service manual for further specification information.



Aerobell II Direct Charge with Repulsion Ring



Aerobell II Direct Charge without Repulsion Ring

Product Options:

- Indirect charge for use with grounded waterborne systems
- Direct charge for use with isolated solventborne systems
- Direct charge repulsion ring for solventborne systems
- Cleanwall machine mounting or pole mount version
- Mounting manifold available with English or metric tubing

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* patent pending

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Models and specifications subject to change without notice.