



AEROBELL™ 268

FLEXIBLE, ROBUST ROTARY ATOMIZER

The Ransburg Aerobell 268 is a high speed bell rotary atomizer for electrostatically applying conventional and high solid coating materials. The Aerobell 268 is built on the performance and reliability of the Aerobell family of products, which offers a robust, proven air-bearing turbine design to keep systems running at peak performance.

It's sleek, compact design, and variety of bell cup and shape air rings provide flexible finishing. The applicator is designed with fewer parts which decreases maintenance and provides increased uptime. Configurable manifold for up to three individual colors and mounting for machine or non-hollow wrist robots make the Aerobell 268 a must-have in automated finishing systems.

The Aerobell 268, designed with 30 mm dual shape air, 65 mm MonoFlex or DualFlex configuration, provides optimal pattern control. The bell cups are constructed of electroless nickel coated Aluminum and Titanium construction for long life and durability. The applicator offers flexible speed sensing capability and magnetic and light sensing for

speed reading and control. The applicators power supply can be controlled either locally or remotely by PLC or other control feature.

Regardless of the coating material, Ransburg bell cup technology provides superior material atomization to maximize appearance on substrate. The Aerobell 268 has a variety of bell cups and shape air configurations to provide small to large size spray patterns. The applicators bell cup technology maximizes coating performance and penetration providing superior material atomization. Ransburg has the experience and technology to fit most any application from small complex geometries and deep recesses to large panels.

- **Field repairable turbine**
- **High performance bell cup and shape air configurations**
- **Proven long life air bearing spindle**
- **External/Internal Bell Cup wash**
- **Atex tested and approved for safe sparking distance and EN 50 176 compliance.**



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Whether mounting your applicator on a moving robot arm, reciprocating machine or stationary mount, the Aerobell 268 is designed for various mounting applications providing versatility and efficiency. Multiple shape air configurations; DualFlex 65mm technology offers patterns from 3-11" (77-280mm), MonoFlex 65mm technology offers 8-24" (204-609mm) patterns and 30mm Dual Shape air offers patterns from 8-15" (204-381mm).

- Integrated solvent/air valves for fluid passage cleaning.
- Reliable Fiber optic transmission of rotation speed provides optimum operational control.
- 3-paint option; primer, base and clear loaded and dump.
- Various fluid tip diameters allows control of material from the center feed tube to the bell cup.
- Atex approved.



Compact applicator (8.5 lbs) and control unit.



Specifications

Mechanical:

Atomizer Weight:	3.9 kg (8.5 lbs) (post mount 65mm/8 valves)
Maximum Operating Voltage:	90 kV
Maximum Operating Current:	80 µA
Turbine:	
Speed:	15 to 60 Krpm (recommended)
Turbine Type:	Impulse – Rear Exhaust
Speed Readout Pickup:	Magnetic or light source (2 pulse/rev)
Paint:	
Flow Rate:	50-500 cm ³ /min max (dependent on paint)
Normal Supply Pressure:	6 to 8 bar (90 psi to 120 psi).
Maximum Pressure:	10 bar (150 psi)
Viscosity:	20-40 seconds (Ford Cup #4)
Paint Resistivity:	0.1 Megohm to infinity
Air Pressure:	
Microvalve pilot:	4.9 bar (min) - 10 bar (max) (75-150 psi)
Bearing Air:	5.5 bar (min) - 7 bar (max) (80-100 psi)
Shaping Air:	7 bar (max) (100 psi)
Brake Air:	4 bar (min) - 7 bar (max) (60-100 psi)
Target Distance:	204-305 mm (8-12 inches)
Air Consumption:	
Bearing Air:	57-85 slpm (2-3scfm)
Shaping Air 1:	75-600 NI/min (2.65-21.2 scfm)
Shaping Air 2:	75-600 NI/min (2.65-21.2 scfm)

Electrical:

Power Supply Type:	9060 HV
Charging Method:	Direct
Operating Voltage:	90 kV max.
Operating Current:	80 µA

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