

AEROBELL 33™

ROTARY ATOMIZER

Ultimate in Operating Safety

***Higher Transfer Efficiency
and Coverage***

Flexibility and Ease of Use



Aerobells provide higher rotational speeds and deliver excellent atomization of all coatings. And higher transfer efficiencies provide excellent ROI, reduced emissions and diminished code compliance concerns.

The Aerobell 33 electrostatic rotary atomizer features a serrated edge and unique bell design which allows for better control of paint flow rotational speeds and application flexibility.

Engineered with three steps cut into the face of the cup, the Aerobell 33 uniformly distributes paint flow to the serrated edge, which divides the coating material into fine filaments of consistent particle size.

As a result, Aerobell 33 electrostatic rotary atomizing systems are perfect for all of today's difficult-to-handle coatings, including waterborne and even 100% solids (solvent-free) coatings.

The Aerobell is designed for superior finishing, plus the unique radial fluid manifold design allows for easy and quick preventative maintenance. Color coded hoses allow for easy identification.

When used in combination with the Ransburg power supplies, and junction tank, Aerobell 33 meets Factory Mutual (FM) standards for electrostatic finishing equipment. This approval meets the definition of listed equipment in NFPA Bulletin 33 "Spray Applications Using Flammable and Combustible Materials"

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SPECIFICATIONS:

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| Turbine Speed: | (Continuous/Intermittent) 40,000/55,000 rpm |
| Turbine Type: | Air Bearing Impulse Drive |
| Weight: | 10.3 lbs. (4.7 kg) |
| Length: | 16.4" overall (416 mm) (not including support rod) |
| Diameter: | 5.6" (142 mm) |
| Air Pressure: | |
| Turbine Air: | 10-60 psi max., 3-15 scfm |
| Shaping Air: | 60 psi max., 24 scfm Normal 5-15 psi, 4-8 scfm |
| Bearing Air: | 90 psi nominal, 2.4 scfm |
| Brake Air: | 60 psi nominal |
| Fluid Pressure: | 100 psi max. |
| Fluid Flow Rate: | 25-500 cc/min. |
| Spray Pattern Size: | Adjustable to 30" |
| Rotator Assembly: | |
| Quick Change Time: | Less than (2) minutes |
| Bell Change Time: | Less than (2) minutes |
| Bell Cleaning Time: | 2-3 seconds approx. when using solvent flush |
| Color Change Time: | Dependent on system configuration, fluid pressures, line lengths, etc. |
| Speed Readout: | Magnetic pickup, uni-directional -fiberoptic transmission |

- **High Voltage Circuit:** ensures optimum charging of the atomized coating regardless of its electrical conductivity.
- **Safety Circuitry:** allows maximum flexibility in head-to-target distance for best efficiency and part coverage.
- **Higher Paint Transfer efficiency than any FM listed electrostatic bell system.**
- **Shaping Air:** design provides optimal spray pattern control for unique coating applications.
- **Center feed fluid delivery:** provides fast bell cleaning and quick color changes.
- **Turbine Air Exhausts:** behind bell to prevent paint build-up and to help keep the outer surface of the bell clean during normal spraying and flush cycles.
- **The Air Bearing:** cushioned turbine avoids metal-to-metal contact and provides long service life and reliability.
- **Choice of 57mm step-3 design or 30mm diameter bell cup:** both constructed of engineered plastic materials covered with a proprietary semiconductive coating for optimum electrostatic charging, allows matching of spray pattern with part configuration, size and line speed.



Ransburg



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