



Aerobell 33™ Rotary Atomizer

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".

**Ultimate in
Operating Safety**

**Higher Transfer
Efficiency and
Coverage**

**Flexibility and
Ease of Use**

FEATURES

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.



Specifications

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 scfmve
Bearing Air	90 psi nominal, 2.4 scfm
Break Air	60 psi nominal

Fluid Pressure

Fluid Flow Rate

Spray Pattern Size

Rotator Assembly

Quick Change Time	Less than (2) minutes
Bell Change Time	2-3 seconds approx. when using solvent flush
Bell Cleaning Time	Dependent on system configuration, fluid pressures, line lengths, etc.
Speed Readout	Magnetic pickup, uni-directional-fiberoptic transmission

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 CarlisleFT.com or call us today.



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@CarlisleFT



linkedin.com/company/carlisle-fluid-technologies



North America
EMEA
China
Japan

1.800.992.4657
44.0.1202.571111
86.21.33730108
81.45.785.6421

marketing@carlisleft.com
marketing-uk@carlisleft.com
mkt_cn@carlisleft.com
jp-rans-tokyosales@carlisleft.com

