

Innovative technology

Highly economical

Versatile in use

The high-tech application

Evobell high-speed rotary atomisers



WAGNER

Evobell high-speed rotary atomiser: Evolution has a name!

The demands for surface finish quality are continually increasing in many parts of industry.

With the **Evobell 3000 and 3500**, WAGNER has developed a new generation of high-speed rotary atomisers which set **new standards** in the areas of surface finish, paint saving, reliability, safety and ease of servicing.

With this product, which has been developed using the latest technological knowledge, you will be well-equipped for the future.

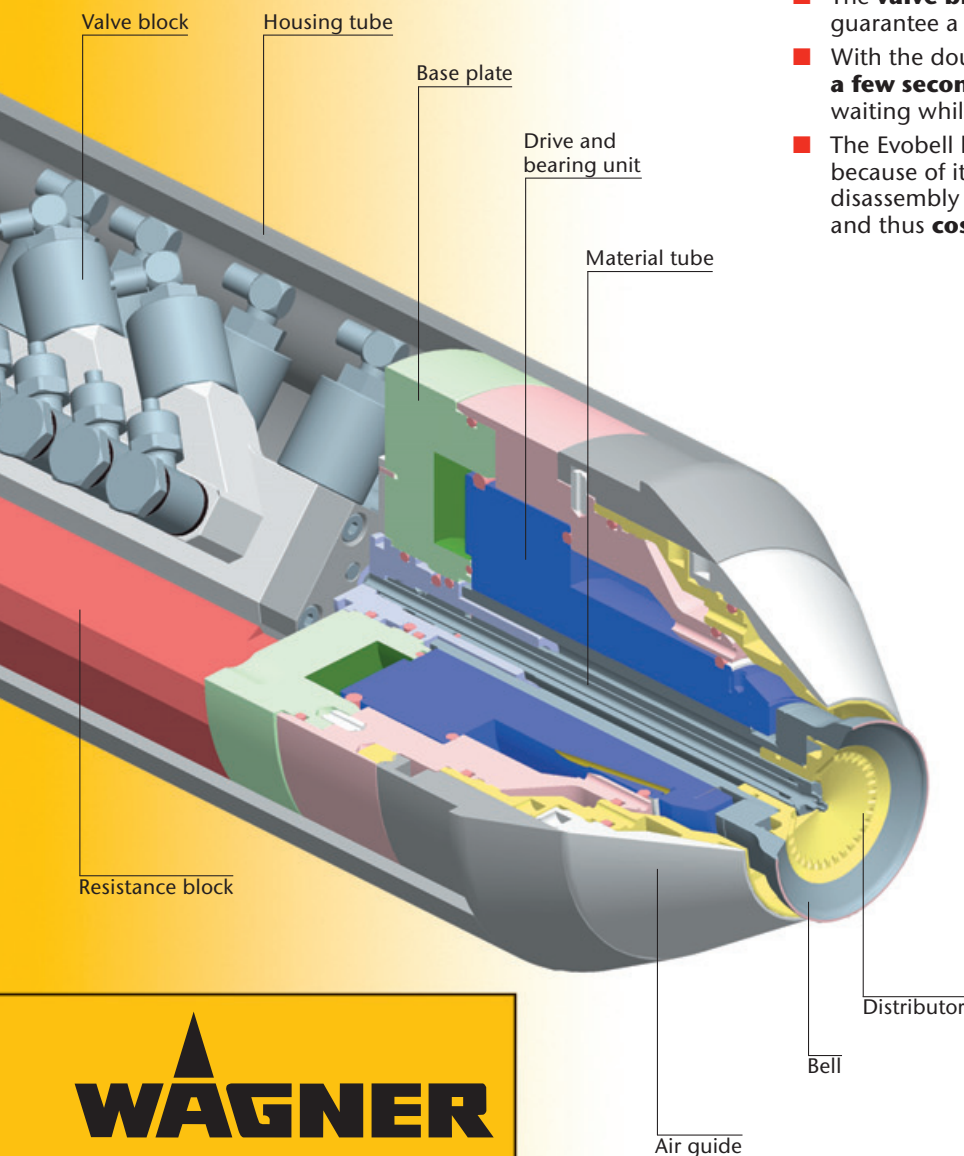
WAGNER Evobell: convincing benefits!

Innovative technology

- The **atomiser bell, broken down into bell and distributor**, guarantees quick inexpensive adaptation to the material being atomised. Only the distributor has to be changed.
- The **unique design of the distributor** allows optimal cleaning and flushing of the atomiser bell and the distributor.

Highly economical

- **Very high application efficiency** (up to more than 90%).
- The **additional integral bell flushing system** saves emptying the material tube for intermediate cleaning.
- A **quick-change system** allows easy replacement of the whole atomiser. With this the paint material can be waiting at the valves.
- The **valve blocks, which have no dead spaces**, guarantee a thorough, precise colour change.
- With the double valve block, a **colour change only takes a few seconds** as the next colour is already ready and waiting whilst painting.
- The Evobell high-speed rotary atomiser is convincing because of its **high level of serviceability**. Thanks to fast disassembly and assembly, set-up times, plant down times and thus **costs are considerably reduced**.



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WAGNER Evobell: for excellent surface finish

Excellent surface finish

- The Evobell is convincing thanks to its fine atomisation and **uniform application** of paint.
- The atomiser bell, designed for high quality surface finishes, provides a **homogeneous film thickness with the finest atomisation**.
- The large speed range of up to 70,000 rpm in continuous operation allows an **optimal setting of the droplet size** from fine to very fine. This means that the Evobell can be ideally adapted to the customer's requirements.

Versatile in use

- For solvent and water-based materials.
- Three bell sizes with different distributor variants guarantee a wide range of use.
- Optimised air guide **for precise setting of the spray jet**, for high penetration depth or large area soft application of paint.
- The **modular construction** and **comprehensive accessories** guarantee that the Evobell can be individually adapted to the widest range of applications.

Areas of use:

- Plastics industry
- Electronics industry
- Automotive suppliers
- Rim coating
- Machine tool industry
- Glass coating
- Wood industry
- Micro corrosion protection
- Metal industry
- Toy industry
- Paper coating
- Household goods
- Agricultural equipment
- Anti-seize agents
- Spectacle industry
- Cable manufacturing
- Cycle / Motor cycle frames

WAGNER Evobell: made to measure technology

The **Evobell high-speed rotary atomiser** from WAGNER can be supplied in two different versions depending on the demands and the area of application.



Evobell 3000

The **reliable, robust ball bearing** cartridge allows long working times and thus high reliability of the atomiser even in rough production environments.

Evobell 3500

The **air bearing, proven in practice**, gives the turbine a long service life and reliability which reduces the down time and thus the costs.

Technical data

	Evobell 3000	Evobell 3500
Bearing	Ball bearing	Air bearing
Bell diameter	36, 50, 70 mm (1.4, 2.0, 2.8 in.)	36, 50, 70 mm (1.4, 2.0, 2.8 in.)
Spray jet diameter	70 - 800 mm (3 - 32 in.)	70 - 800 mm (3 - 32 in.)
Maximum speed	40,000 rpm	70,000 rpm*
Maximum voltage	100 kV	100 kV
Material flow rate	Up to 600 cc/min	Up to 600 cc/min
Housing diameter	125 mm (4.9 in.)	125 mm (4.9 in.)
Length	455 mm (17.9 in.)	475 mm (18.7 in.)
Weight	4.7 kg (10.3 lb.)	4.9 kg (10.8 lb.)

* Maximum 40,000 rpm with a bell diameter of 70 mm (2.8 in.)



Adjustment and assembly tool



Evobell components and accessories



Air guide



Bell



Distributor

Bells

Available in three different diameters: 36, 50 and 70 mm (1.4, 2.0, 2.8 in.).

Distributors

For low to high viscosity materials, available in different versions for all bell sizes.

Air guides

Suitable for all bell sizes.

Adjustment and assembly tools

For assembly and disassembly of the bells and distributors and to adjust the material tube.

Two valve blocks are available by choice:

Standard valve block

1 material feed, 1 material return (dump), 1 flushing fluid feed.

Double valve block

2 material feeds, 2 material returns (dump), 2 flushing fluid feeds.



Double valve block



Standard valve block

Material tubes

In various versions, designed to suit the material flow rate and viscosity.



Material tube

WAGNER control technology:

Intelligent solutions made-to-measure

WAGNER bell controllers are an effective way of increasing the economy of a coating system.

The WAGNER range stretches from an individual solution with which the basic functions of a bell controller can be put into practice, through the possibility of retro-fitting existing systems with high-speed rotary atomisers, right up to putting into place complex plant controllers.

Intelligently designed, modular construction, clearly laid out and easy to operate, the WAGNER control systems can be optimally adjusted to all wishes and requirements.



System controller



Evobell control panel

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