



ProBell®

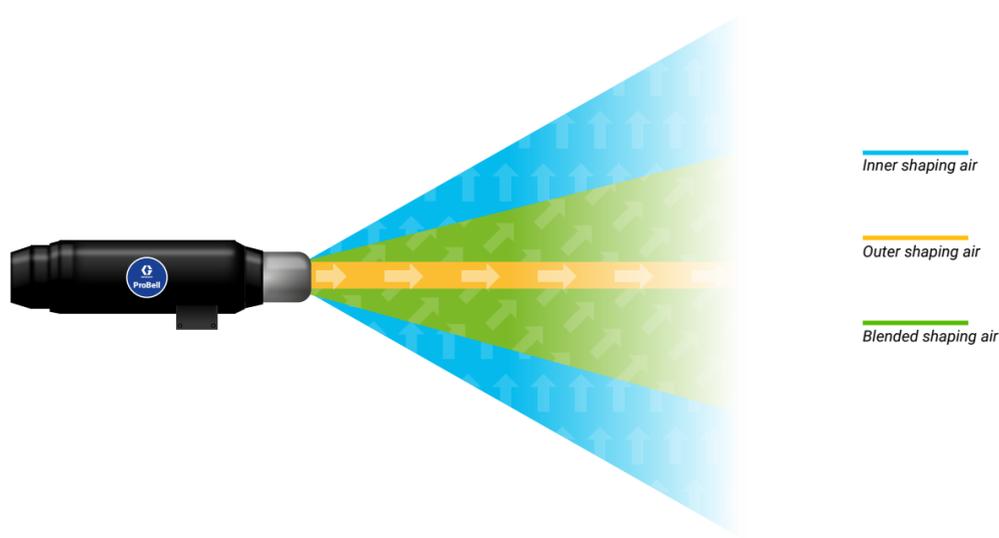
A CLOSER LOOK AT THE PROBELL'S PATTERN SHAPE RANGE

Graco's ProBell Rotary Atomiser series owes much of its success to its impressive spraying precision and its dual shaping air feature, which enables the applicator to spray an extraordinary variety of patterns.

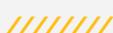
How it works



The rotary bell atomiser system produces two types of pressurised shaping air. The **inner shaping air** causes paint droplets to spread outwards, thus creating a wide spray pattern and increasing the spraying surface. The **outer shaping air**, conversely, pushes particles into a tight and narrow beam. The ProBell can combine these two flows into a **blended shaping air** to precisely adjust the spraying pattern to fit the context.



Blended pattern shape range



To give you an idea of the variety of patterns you can create, we've made an overview of different spraying contexts and equipment with pictures showing just how much the bell cup size and shaping air can affect the shape of the sprayed material.

SETTINGS
Bell cup size: **50 mm**
Paint flow rate: **300 cc/min**

Without strong shaping airs, the 50mm bell cup generates a big cloud of misty particles, **perfectly suited for spraying large surfaces**. When the shaping air is increased, the paint flow is concentrated into a denser beam.

| Shaping Air Type | Inner Shaping Air (PSI) | Outer Shaping Air (PSI) |
|------------------|-------------------------|-------------------------|
| Low | ~10 | ~5 |
| High | ~60 | ~25 |

| Shaping Air Type | Inner Shaping Air (PSI) | Outer Shaping Air (PSI) |
|------------------|-------------------------|-------------------------|
| Low | ~10 | ~5 |
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SETTINGS
Bell cup size: **30 mm**
Paint flow rate: **300 cc/min**

The 30 mm bell cup is an **ideal all-round solution for spraying a variety of surfaces**. Although the inner shaping air creates a steady stream of paint, the applicator needs the outer shaping air to propel the particles even faster towards the surface.

| Shaping Air Type | Inner Shaping Air (PSI) | Outer Shaping Air (PSI) |
|------------------|-------------------------|-------------------------|
| Low | ~15 | ~5 |
| High | ~55 | ~25 |

| Shaping Air Type | Inner Shaping Air (PSI) | Outer Shaping Air (PSI) |
|------------------|-------------------------|-------------------------|
| Low | ~15 | ~5 |
| High | ~55 | ~25 |

SETTINGS
Bell cup size: **15 mm**
Paint flow rate: **80 cc/min**

The smallest bell cup size is **used for smaller surfaces and hard-to-reach spaces**. The fine cloud of droplets is obtained by decreasing the paint flow rate. For a concentrated beam of paint and **detailed finishes**, the outer shaping air needs to be driven up.

| Shaping Air Type | Inner Shaping Air (PSI) | Outer Shaping Air (PSI) |
|------------------|-------------------------|-------------------------|
| Low | ~10 | ~5 |
| High | ~40 | ~25 |

| Shaping Air Type | Inner Shaping Air (PSI) | Outer Shaping Air (PSI) |
|------------------|-------------------------|-------------------------|
| Low | ~10 | ~5 |
| High | ~40 | ~25 |

The ProBell Rotary Bell Atomiser is perfectly equipped to meet any kind of spraying requirements. Before spraying, you can select the correct bell cup size and set the paint flow parameters to obtain the most suitable basic pattern shape. The blended shaping air allows you to further adjust the flow and the patterns while you work, depending on the part you are spraying. From large flat surfaces to complex shapes and corners, the ProBell will never let you down.

FOR MORE INFORMATION,
GO TO WWW.GRACO.COM/PROBELL

