

AIRLESS Spraying

TRUEAIRLESS™ PAINT SPRAYERS

MAGNUM®
by GRACO



What is an AIRLESS Spray gun?

The idea of an Airless system is to pump the paint directly from the original bucket, using a hose of typically 15 m, and atomizing it with a pressure ranging from 110 up to 207 bar. This is possible thanks to the powerful piston pump that comes with every Graco paint sprayer. The high pressure allows you to spray a wider range of products undiluted. GRACO is the inventor of this TrueAirless™ technology.

Why use this technique?

The quality of application

The paint is truly atomized. There are no brush marks or roller stipples (important for ceilings).

The fastest way to finish the job

You will do the job in a fraction of the time it would take with a classic brush or roller. It is commonly accepted that you can cover 10 square meters in 1 or 2 minutes.

And because there is no friction like with a roller; you can spray 'wet on wet' when two coats are needed.

Comfortable

Your arm does not need to support the weight of the paint. The gun is lightweight and you can even use a tip extension to spray the ceiling without having to use a ladder.

Is it easy to use?

- At first glance, the machine can look a bit impressive but they are actually quite easy to use.
- On the magnumbygraco.eu website you will find instruction manuals and tutorial videos on how to use the machines, including very explanatory videos to sort out any of the questions that could arise.
- A piece of advice: always do a try-out with water. Once you are familiar with the device, you can move on to the actual painting.

For what kind of applications?

Airless paint sprayers are extremely versatile and can be used in many situations;

- Walls & ceilings
- Wooden desks
- Cottages, sheds, wooden houses
- Façade paints, exterior paints
- Floor paints
- Antifouling (boats)
- And more...

Why is the pressure so important?

Some decorative paints can be sprayed with 110 - 130 bars, but there are also (and increasingly) thicker paints that require more pressure, like for instance exterior paints. In such cases, the pressure of 207 bar will be necessary. In fact, when your pump is able to reach 207 bar, you won't have to dilute your paint as much and you can therefore spray a much wider variety of paints.

Handheld household range



TrueCoat 360

Occasional use for small paint jobs, touch-ups and repairs, inside and outside the house

Household range for apartments, houses and larger projects



A20 PLUS

Occasional use for small decorative paint jobs, inside and outside the house



A30 PROPLUS

Occasional use for small medium decorative paint jobs, interior and exterior



A45 PROPLUS

Occasional use for somewhat larger decorative paint jobs and thicker paints, interior and exterior

Pro Series for larger jobsites



A60 PROPLUS

Intensive use for medium and large jobs including thicker paints, interior and exterior



A80 PROPLUS

Intensive use for larger jobs and thick materials, for professional and large private jobs



A100 PROPLUS

Very intensive use for professionals only, with large jobs and thick materials to paint

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How about protection?

Although the TRUEAIRLESS™ technology reduces overspray to a minimum, it is advisable to protect and thus mask off areas that should not get painted on. You can easily do so with painter's/masking tape that you find in stores.

This will take some of your time, but even if you take the masking time into account, the overall time-saving will be considerable, with a much better quality of finish.

What about cleaning?

The cleaning process will consist of rinsing the system with water. Basically, you will be using water instead of paint. One of the advantages of Magnum by Graco units is that they are all fitted with a garden hose connection. This way you can simply connect your garden hose to the suction tube. After that, you will have to clean 1 or 2 filters, which are easily accessible.

Once you are used to it, the cleaning will take about 5 to 10 minutes, which is not that much longer than you would need to clean brushes and rolls. You will find lots of tutorial videos on magnumbygraco.eu.

A piece of advice: Nowadays, there are very high quality water-based products available for every kind of paint. Always use this solution instead of solvent-based products, as it will make cleaning easier.

Why different tip sizes?

All our sprayers include a 515 spray tip that sprays a 25cm (10-inch) spray fan as this is the most commonly used one.

With a smaller tip size (from 09 to 13), you will be able to spray thinner materials. Whereas with larger sizes (from 17 to 21), you can spray thicker paints.

The Magnum pumps can deliver up to 207 bars if required, so by using the right tip size, you will get a very versatile sprayer that is able to handle a wide variety of materials.

Should I wear a mask when I'm spraying?

Yes, always, especially if you are working indoors. When working outside, while spraying your façade for instance, make sure to do it when it is not windy.

Prepare properly!

Always make sure that the surface you want to spray on is clean, free of dust and well prepared for painting. This is crucial for the final result.

Always stir the paint properly. Use an electrical mixer for at least 5 minutes. Do not hesitate to filter your paint to make sure there are no solid elements inside.

Avoid working under very cold or hot weather conditions, as the paint will not react in the same way. Try not to paint when temperature is below 12° or above 25°.

What kind of things should I keep mind to ensure a good spraying pattern?



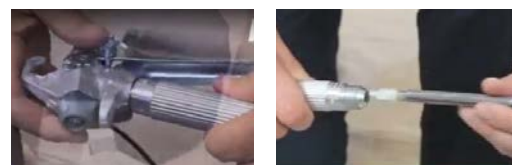
Is the pump not priming?

When the suction tube does not suck in paint or even water, it means the ball of the pump is stuck. You can simply release the ball by pushing it slightly with a small screwdriver.



Tip clogs?

It can happen that a very small piece of dust manages to pass through the filters and blocks the tip. Don't panic! That's why our tips are reversible. Just turn them 180° and release the clog by pressing the trigger once over a waste bucket.



Mind the filters!

Always make sure the filter of the gun (inside the handle) is clean. The A80 & A100 have an additional filter to check (see the manual).

This document does not replace the instruction manual available on www.magnumbygraco.eu where you will also find all the accessories to increase the versatility of our devices.