



AirCoat guns

MANUAL APPLICATION



- Excellent finishing quality
- Human engineered design
- High process reliability

WAGNER AirCoat - Perfect finishing for high quality surfaces

WAGNER AirCoat Technology

POWER AND CONTROL TOGETHER FOR SUPERIOR PERFORMANCE AND FINISHING RESULTS

Airless technology provides **"Power"** : fast application speed, low overspray and high transfer efficiency.

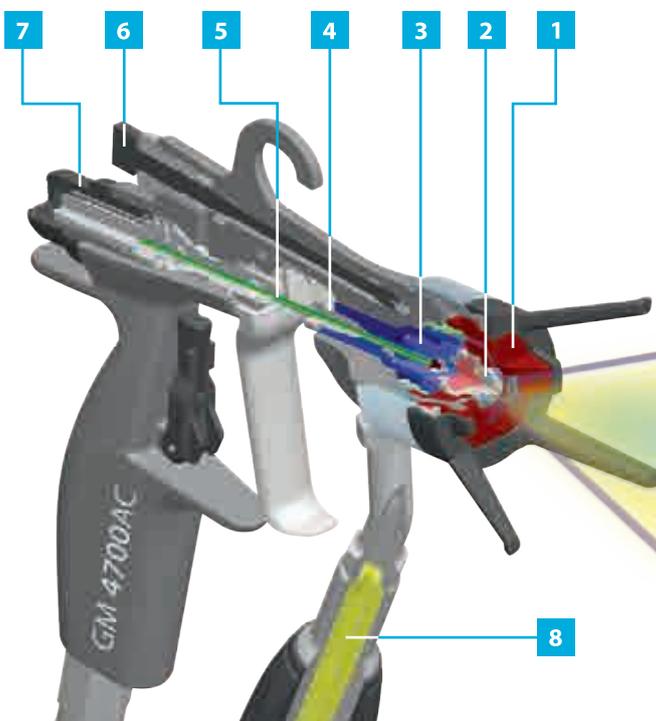
Air Spray technology provides **"Control"** : easy and precise adjustments of the atomizing air and of the fan width, for maximum application versatility and finishing quality.

The right combination of Airless and Air Spray technology together with the unique WAGNER know how results in **AirCoat** technology: perfect finishing, high productivity, soft spray pattern and very high transfer efficiency.



GM 4000AC technology

The innovative WAGNER manual AirCoat guns employ our brand new AirCoat atomization process to produce the finest finishing results ever. These guns meet all market demands - the newly designed material filter can be exchanged without tools and the human engineered design offers an ergonomical handling.



- 1 Aircap
- 2 High quality nozzle
- 3 Valve with tungsten carbide seat
- 4 Long life packing
- 5 Needle (special treatment to reduce wearing)
- 6 Fan air adjustment
- 7 Spring cap (for 160 bar or 250 bar version)
- 8 Cage Filter

Great advantages for your business

WAGNER AirCoat guns: Designed for your needs



Wood finishing



Metal protection & finishing



Corrosion protection



TYPICAL APPLICATIONS

Whether lacquers for wood finishing, 2K materials for corrosion protection of metals or primers, the WAGNER manual AirCoat guns are perfect for your individual needs!

- Wood and furniture industry
- Corrosion protection
- General metal industry

TYPICAL FLUIDS

- Stains, varnishes and lacquers
- Solvent- and waterbased paints
- PU and Epoxy materials
- 2K materials
- High solid materials
- UV paints

GM 4100AC / GM 4700AC - A new generation of manual AirCoat guns

GM 4100AC / GM 4700AC crucial advantages!

The new generation of manual AirCoat guns revolutionize your daily coating processes. Excellent finishing quality and high transfer efficiency as well as an ergonomic concept result in best surfaces with easy handling.

1 Best atomization

The new AirCoat atomization provides a softer and smoother spray pattern. Due to the new air cap design, the material pressure is reduced and the spray pattern becomes more homogenous.

2 High transfer efficiency

The fine, soft atomization combined with a homogenous particle size guarantees a high transfer efficiency.

WAGNER
AirCoat



3 Tool free removeable filter*

No tools needed for changing the filter (GM 4700AC). Very easy to use. The downtime is reduced significantly.

4 Fan air adjustment at your fingertip

Variagate the spray pattern from wide to small right at the gun!

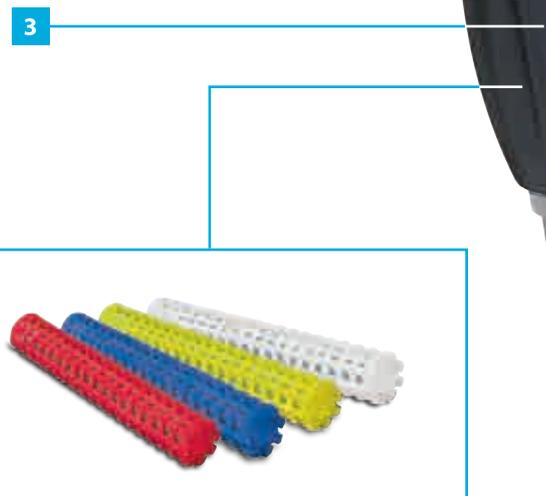
5 Smallest and lightest gun

The GM 4100AC is the smallest and lightest manual AirCoat gun, GM 4700AC is the lightest gun with tool free openable filter.

6 Human engineered design

The guns are designed with the comfort of the operator in mind. Two models for different hand sizes guarantee best ergonomics, combined with light weight and low trigger/holding force to reduces the operator fatigue considerably. The material and air swivel ensure the operator comfort.

** Can only be opened when system pressure is off!*



NEW WAGNER CAGE FILTER

The newly designed Cage Filter (patent pending) has a much longer life time, because of its 53% larger volume to collect the dirt. Beside that it is very easy to flush, the compact design reduces the weight of the gun.



Best atomization ever

WAGNER AirCoat

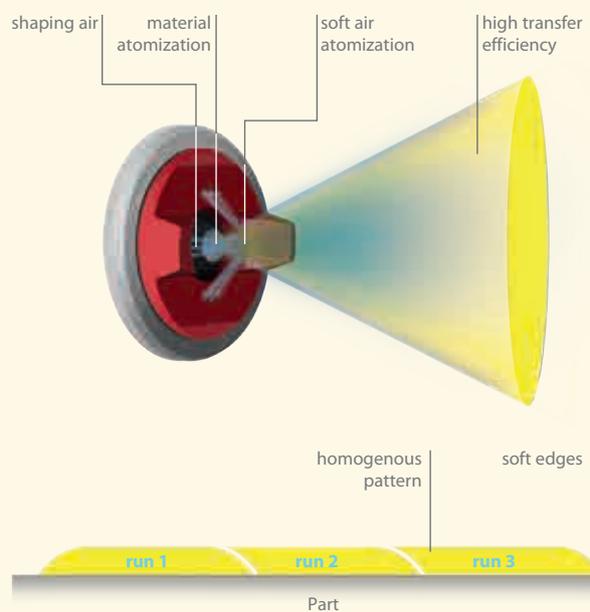
More than 30 years of experience in AirCoat technology has led to our newest design innovation in atomization systems consisting of nozzles and air caps.

AIRLESS ATOMIZATION

The specially designed high quality AirCoat nozzle provides the best atomization and lifetime while distributing the material in a uniform pattern to create a perfect finishing result. Soft edges of the spray pattern allow a overlapping of spray tracks while achieving a uniform layer thickness.

AIR SPRAY ATOMIZATION

The Air spray atomization further increases the quality of the atomization with a soft airflow. Enabling a precise fan width adjustment and keeping the air cap clean even in rough production environments.



Manual AirCoat guns - the complete range

Accessories for all application needs

A wide variety of nozzels, aircaps and nozzle extensions, filters and hoses as well as the gun flush box makes the WAGNER AirCoat guns an ideal solution suitable for your specific application.



1 Nozzles
Wide range of flat (ACF)- and round (ACR) spray nozzles for perfect finishing results.

2 Aircaps
Red - for low viscosity materials.
Blue - for high viscosity materials.
Bronze - for easy cleaning - no fan air adjustment

3 Nozzle extension
For spraying workpieces with unapproachable geometries.

4 Filters - patent pending
New Cage Filters for the GM 4700AC and the small edge filters for the GM 4100AC.

5 Gun flush box
The gun flush box makes the daily cleaning work much easier and faster. Supporting the health of the painter and the cleanness of the environment.

6 Hose packages
Different hose packages in 7.5, 10, 15 and 20 meters are available.

The right AirCoat gun for your purpose

Select your AirCoat gun

WAGNER offers two different versions of manual AirCoat guns.

GM 4100AC

Ultra light gun, only 437g with a slim handle. Available as a 160 and 250 bar version. This gun works with an edge filter.

GM 4700AC

Light gun, only 536g with regular handle. Available as 160 and 250 bar version. Unique tool free removeable filter housing and swivels for air and material connection. Works with the new Cage Filter.



GM 4100AC / GM 4700AC Technical Data

Manual AirCoat guns

| Technical Data | GM 4100AC | GM 4700AC |
|---|--|--|
| Max. material pressure 160 bar Version 250 bar Version | 160 bar / 16 MPa / 2320 psi 250 bar / 25 MPa / 2325 psi | 160 bar / 16 MPa / 2320 psi 250 bar / 25 MPa / 2325 psi |
| Max. air pressure | 8 bar / 0.8 MPa / 120 psi | 8 bar / 0.8 MPa / 120 psi |
| Weight | 385 g / 13.6 oz | 536 g / 19.3 oz |
| Weight (ready to spray) | 437 g / 15.4 oz | 596 g / 21 oz |
| Material connection | NPSM 1/4" | NPSM 1/4" |
| Air connection | G 1/4" | G 1/4" |
| Material temperature | 55 °C / 176 °F | 55 °C / 176 °F |
| Wetted parts | Stainless steel | Stainless steel |
| Length | 206 mm / 8.1 inch | 211 mm / 8.3 inch |
| Width | 173 mm / 6.8 inch | 173 mm / 6.8 inch |



WAGNER Cobra® - No application limits

WAGNER Cobra® is a high pressure double diaphragm pump suitable for AirCoat applications up to 250 bar. The pump is completely sealed from the external atmosphere. The absence of friction, the minimum of shear and almost no pulsation make it perfect for virtually any material and application! An extremely long lifetime guarantees a high process reliability. Suitable up to 5 l/min and ideal for water- and solvent based paints, UV and reactive materials.

For further information about the WAGNER Cobra® please look in the brochure or visit us at www.wagner-group.com

Automatic AirCoat guns

The WAGNER automatic AirCoat guns revolutionize the automatic coating processes. Excellent finishing quality, best transfer efficiency, ultra small and light, super fast and constant trigger speed result in best surfaces. Innovative cartridge packing and the base plate system reduces downtime and increase your process reliability. Enhance your automatic coating processes with WAGNER automatic AirCoat guns!



High pressure piston pumps

WAGNER IceBreaker®

Outstanding durability, very high reliability and unique features make the WAGNER IceBreaker piston pumps the optimal choice for almost any high pressure application. High efficiency air motors ensure smooth operation and impeccable coating results. The wide pump range enables the unit to successfully meet the needs of small workshops as well as those of big industries. The pumps are ideal for applying water -and solvent based paints.

A complete range of 2K systems

WAGNER offers a wide range of 2K systems. TwinControl - 1 color / 1 hardener / 1 solvent include all features required to mix the material. The FlexControl family offers additional features such as automatic color changes, recipe storage, peripheral equipment interfaces, and low and high pressure applications with a very high mixing accuracy.



www.wagner-group.com

Further information on WAGNER manual AirCoat guns and on a wide variety of accessories like air caps, nozzles and hoses can be found in the WAGNER liquid applications catalog.

