

Homogeneous atomisation

Long service life

Greatest precision

The innovation!

# AirCoat nozzles

for manual and automatic application

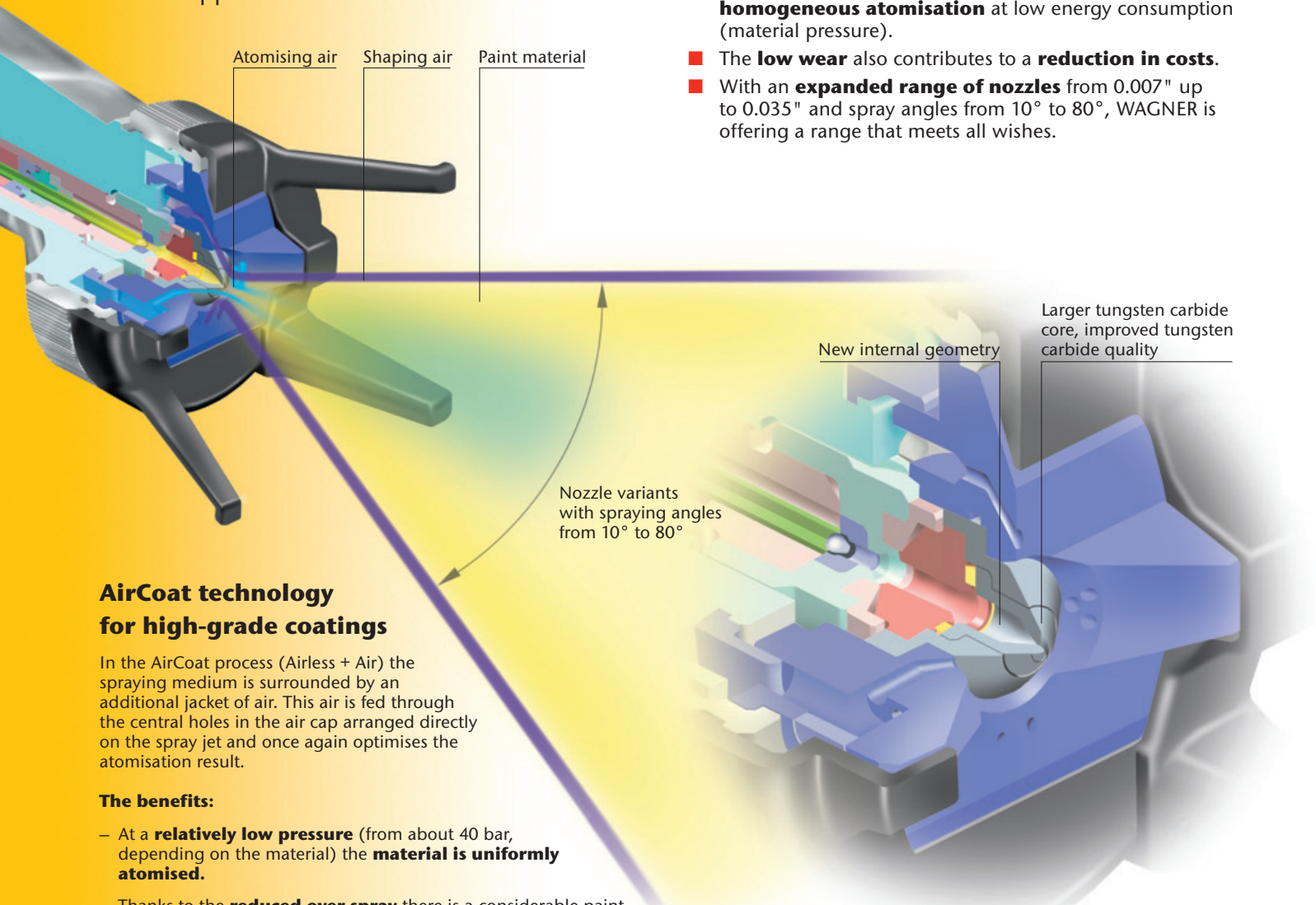


**WAGNER**

# New generation of AirCoat nozzles: The innovation for even more perfect surfaces!

With the new generation of AirCoat nozzles we are again providing proof of our high level of expertise in the area of industrial surface coating technology.

In one-and-a-half years of development, and in thousands of trials, we have again succeeded in considerably increasing the user properties for AirCoat applications.



## AirCoat technology for high-grade coatings

In the AirCoat process (Airless + Air) the spraying medium is surrounded by an additional jacket of air. This air is fed through the central holes in the air cap arranged directly on the spray jet and once again optimises the atomisation result.

### The benefits:

- At a **relatively low pressure** (from about 40 bar, depending on the material) the **material is uniformly atomised**.
- Thanks to the **reduced over spray** there is a considerable paint saving compared with the airless process (up to -15%) and conventional air atomisation (up to -40%).
- The shaping air, which is adjustable on the gun, makes it possible to adjust the spray jet width optimally to the requirements of the user.

## WAGNER AirCoat nozzles: The small, fine difference!

Thanks to a continual development process and practically oriented engineering, the "interior" of the WAGNER AirCoat nozzles has been considerably optimised.

- The **larger tungsten carbide cores** allow higher process security and manufacturing precision.
- An even **longer service life** is achieved thanks to the improved quality of the tungsten carbide.
- The **new dome geometry** and innovative high-tech grinding and erosion processes provide a **very fine homogeneous atomisation** at low energy consumption (material pressure).
- The **low wear** also contributes to a **reduction in costs**.
- With an **expanded range of nozzles** from 0.007" up to 0.035" and spray angles from 10° to 80°, WAGNER is offering a range that meets all wishes.

**ACF3000 black edition** for automatic guns GA 3000AC and manual guns GM 3000AC.

**Brilliant grey edition** for automatic and manual guns from the 2000 series



# WAGNER

## WAGNER AirCoat nozzles: For even better coating results!

In order to reduce the number of coating passes and thus reduce the manufacturing costs for surface coating, higher and higher demands are made on film thicknesses.

Whether a little or a lot of atomising air - with the new WAGNER AirCoat nozzles you will achieve perfect coating results:

- optimal distribution of the coating medium
- a more uniform application of paint
- softer peripheral zones

A distinct increase in quality is achieved especially with difficult to atomise materials and aqueous high solid materials.

### Previously:

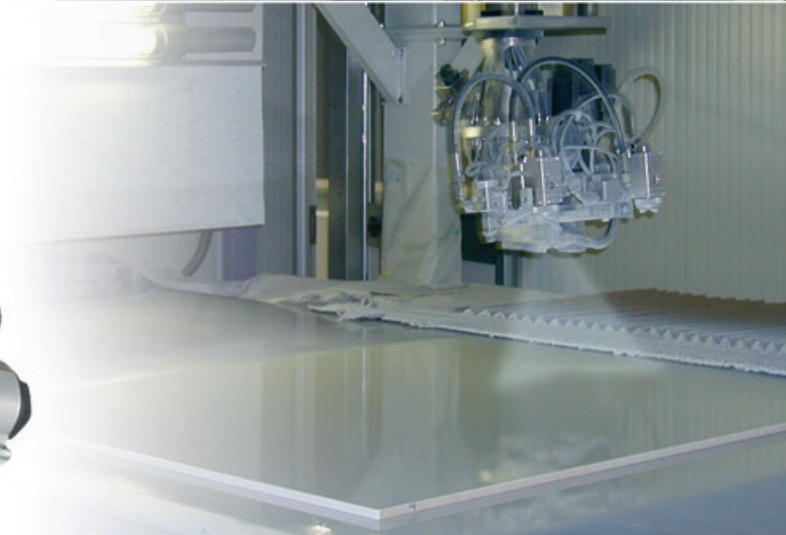
**Little atomising air** - tendency to form peripheral streaks.

**A lot of atomising air** removes peripheral streaks, but leads to a streaky spray pattern due to too little material in the centre of the spray jet.

**AirCoat new: optimal surfaces!**

## WAGNER AirCoat nozzles: When quality decides!

Whether AirCoat or electrostatic, manual or automatic application, natural or synthetic resin paint, oils, fillers, mica or zinc-rich paint, anticorrosion paint, glue etc. – the new WAGNER AirCoat nozzles are suitable for many materials. Wherever perfect surfaces make a decisive contribution to product quality, they set new standards.



automatic gun  
GA 3000C

manual gun  
GM 3000AC

# AirCoat nozzles and accessories



AirCoat nozzles ACF3000 for GA 3000AC and GM 3000AC

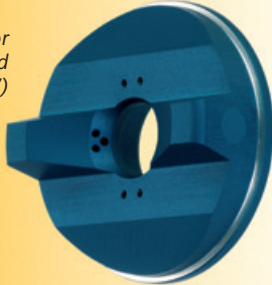


AirCoat nozzles Brilliant for guns from the GM/GA 2000 series



RED air cap for solvent based materials (LV)

BLUE air cap for water-based materials (HV)



Gap filter for GA 3000AC automatic gun



RED gun filter



YELLOW gun filter



WHITE gun filter

Application	Gap filter	Gun filter	Nozzle marking	Fan angle	Bore inches / mm	ACF3000	Brilliant
						Part No.	Part No.
Natural lacquers	Gap filter 200 mesh	Gun filter RED	07.10	10°	0,007 / 0,18	0379107	0148107
			07.20	20°	0,007 / 0,18	0379207	0148207
Colourless lacquers Oils			09.20	20°	0,009 / 0,23	0379209	0148209
			09.30	30°	0,009 / 0,23	0379309	0148309
			09.40	40°	0,009 / 0,23	0379409	0148409
			09.50	50°	0,009 / 0,23	0379509	0148509
			09.60	60°	0,009 / 0,23	0379609	0148609
Synthetic resin lacquers PVC lacquers			11.10	10°	0,011 / 0,28	0379111	0148111
			11.20	20°	0,011 / 0,28	0379211	0148211
			11.30	30°	0,011 / 0,28	0379311	0148311
			11.40	40°	0,011 / 0,28	0379411	0148411
			11.50	50°	0,011 / 0,28	0379511	0148511
	11.60	60°	0,011 / 0,28	0379611	0148611		
Lacquers Priming varnishes Base coats Fillers	Gap filter 100 mesh	Gun filter YELLOW	11.80	80°	0,011 / 0,28	0379811	0148811
			13.10	10°	0,013 / 0,33	0379113	0148113
			13.20	20°	0,013 / 0,33	0379213	0148213
			13.30	30°	0,013 / 0,33	0379313	0148313
			13.40	40°	0,013 / 0,33	0379413	0148413
			13.50	50°	0,013 / 0,33	0379513	0148513
			13.60	60°	0,013 / 0,33	0379613	0148613
			13.80	80°	0,013 / 0,33	0379813	0148813
Fillers Anticorrosion paints	Gap filter 100 mesh	Gun filter YELLOW	15.10	10°	0,015 / 0,38	0379115	0148115
			15.20	20°	0,015 / 0,38	0379215	0148215
			15.30	30°	0,015 / 0,38	0379315	0148315
			15.40	40°	0,015 / 0,38	0379415	0148415
			15.50	50°	0,015 / 0,38	0379515	0148515
			15.60	60°	0,015 / 0,38	0379615	0148615
			15.80	80°	0,015 / 0,38	0379815	0148815
Anticorrosion paints Latex paints	Gap filter 100 mesh	Gun filter YELLOW	17.20	20°	0,017 / 0,43	0379217	0148217
			17.30	30°	0,017 / 0,43	0379317	0148317
			17.40	40°	0,017 / 0,43	0379417	0148417
			17.50	50°	0,017 / 0,43	0379517	0148517
			17.60	60°	0,017 / 0,43	0379617	0148617
			17.80	80°	0,017 / 0,43	0379817	0148817
Anticorrosion paints Latex paints	Gap filter 100 mesh	Gun filter YELLOW	19.20	20°	0,019 / 0,48	0379219	0148219
			19.30	30°	0,019 / 0,48	0379319	0148319
			19.40	40°	0,019 / 0,48	0379419	0148419
			19.50	50°	0,019 / 0,48	0379519	0148519
			19.60	60°	0,019 / 0,48	0379619	0148619
			19.80	80°	0,019 / 0,48	0379819	0148819
Mica paints Zinc-rich paints Anticorrosion paints Glue	Gap filter 60 mesh	Gun filter WHITE	21.20	20°	0,021 / 0,53	0379221	0148221
			21.40	40°	0,021 / 0,53	0379421	0148421
			21.50	50°	0,021 / 0,53	0379521	0148521
			21.60	60°	0,021 / 0,53	0379621	0148621
			21.80	80°	0,021 / 0,53	0379821	0148821
			23.40	40°	0,023 / 0,58	0379423	0148423
			23.60	60°	0,023 / 0,58	0379623	0148623
			23.80	80°	0,023 / 0,58	0379823	0148823
			25.40	40°	0,025 / 0,64	0379425	0148425
			25.60	60°	0,025 / 0,64	0379625	0148625
			25.80	80°	0,025 / 0,64	0379825	0148825
			27.40	40°	0,027 / 0,69	0379427	0148427
			27.60	60°	0,027 / 0,69	0379627	0148627
			27.80	80°	0,027 / 0,69	0379827	0148827
			29.40	40°	0,029 / 0,75	0379429	0148429
			29.60	60°	0,029 / 0,75	0379629	0148629
			29.80	80°	0,029 / 0,75	0379829	0148829
			31.40	40°	0,031 / 0,79	0379431	0148431
			31.60	60°	0,031 / 0,79	0379631	0148631
			31.80	80°	0,031 / 0,79	0379831	0148831
35.40	40°	0,035 / 0,90	0379435	0148435			
35.60	60°	0,035 / 0,90	0379635	0148635			
35.80	80°	0,035 / 0,90	0379835	0148835			



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