

High Precision Nozzle Series ACF 3000 S2

New Aircoat nozzle series for GA 4000

- Stable and repetitive spray angle
- Constant Output flow
- Even spray distribution within complete spray pattern



Key Benefits

- The special nozzle ACF 3000 uses a **special core**, which enhances the atomization quality and generates more homogenous particles within the spray cloud. This enables **the reduction of atomization air by 10% - 30%**. These reductions may result in a cost savings for air consumption of ca. 180 € per year.
- In addition, it is possible to **reduce the material pressure by 20%** and minimize the overspray.
- The **higher precision and the repeatability** from a standard to a high performance nozzle enables a more precise programming in robot or flat machine applications. The more accurate spray pattern will help to optimize guns trajectories and the open & close process of the GA 4000. This optimization allows **reducing the material consumption by minimum 3%** when programming the minimal coating output flow required per sample. Paint savings of ca. 19.000€ per year could be achieved (see calculation below) resulting in very short amortization periods.

Paint Savings		Nozzle cost	
Output volume 4 guns	500 ml/minute	Number of nozzles	4 units
Output volume per day 16 hours	480 liter/day		
Output volume per year 220 days	105.600 liter/year	Higher Nozzle Cost	50 € per nozzle
Paint cost per liter	6 €	Minimum life time	1 month
Material savings	3%		
Paint savings with special nozzle	19.008 € per year	versus	Nozzle cost per year 2.400 € per year

Available Product Range

Table for nozzle series ACF 3000 S2

Size	Spray Angle							
	10°	20°	30°	40°	50°	60°	80°	
7	2405883	2405884		2405885				
9		2403030	2404248	2391811	2404249	2405886		
11	2391809	2368877	2396188	2368879	2404250	2368896	2368876	
13	2405887	2403031	2405888	2368880	2405890	2368897	2368898	
15	2405891	2403032	2405892	2405893	2405894	2368899	2405895	
17		2405896	2405897	2405898	2405899	2401732	2396189	
19		2405900	2405901	2405902	2405903	2405904	2405905	
Spray Pattern width in mm		55	100	145	195	250	300	400 mm

Only available in 4 units per package

Reference Venjakob Swiss

Venjakob has technically upgraded its VenSpray Perfect surface spraying machine enormously. Complete door leaves with radii and folded edges can be approached from the side and coated. It is precisely at these points, that the benchmark is applied, when assessing a top door. In addition to a qualitative superior coated surface the door now looks as from a single mould.

With this coating option, **Venjakob currently has a unique selling point.** This result can only be achieved with our High Precision Nozzle.

Mr. Pelster, head of the Venjakob pilot plant and end customer Woodwork in Switzerland are very excited; with Mr. Pelster that means something already!

Because the droplet distribution is so even, Woodwork wants to coat stain on the vending machine soon, and that would be another application for the High Precision Nozzle ACF 3000 S2.

References



Key Customers:

- Venjakob
- Cefla

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