

# Spray guns air-assist

Manual and automatic air-assist spray guns



## Product families

EcoGun AA MAN – manual air-assist spray guns

EcoGun AA AUTO – automatic air-assist spray guns



# EcoGun AA MAN

## Manual air-assist spray guns

Manual air-assist spray guns are the perfect choice for application of high viscosity material with high demand for surface quality. Typical users are woodcrafters where they can be used to provide perfect finishing for solid wood furniture by solvent and water-borne lacquers. The wide range of nozzles make these spray guns a versatile tool. Spray guns can be fed by EcoPump VP packages.



PRODUCT LINE	
	<b>EcoGun 2100 AirCombi</b>
Part No.	see table below
Connector fluid	1/4" NPSM
Max. fluid pressure	120 (1,740 psi) / 250 bar (3,600 psi)
Connector air	G1/4"
Nozzle sizes	0,18 / 0,23 / 0,28 / 0,33 / 0,38 / 0,43 mm *
Technical highlights	External material inlet with optional filtration (long or short filter). Flat to round regulation. Atomization air regulation.
Field of use	Decorative and protective coatings for wood and metal substrates. Solvent-borne or water-borne lacquers. High viscosity paints and stains.

\* See complete range of nozzles on [page no. 30](#) and page no. 29.

**CUSTOMER BENEFITS**

External paint feed (allows paint heating)

Material filter options (long and short filter)

Wide range of nozzle sizes available

### TECHNICAL ILLUSTRATION



1 Material inlet with short or long filter, 2 Air inlet, 3 Fan pattern size regulation, 4 Inlet air regulation

### ORDER NUMBERS – EcoGun 2100 AIRCOMBI

Part no.	Fluid pressure	Nozzle type	Filter	Air cap
N36280001	120 bar (1,740 psi)	6-KT (hexagonal)	short filter	Air cap 40-130°
N36280002	250 bar (3,600 psi)	6-KT (hexagonal)	short filter	Air cap 40-130°
N36280003	120 bar (1,740 psi)	6-KT (hexagonal)	long filter	Air cap 40-130°
N36280004	250 bar (3,600 psi)	6-KT (hexagonal)	long filter	Air cap 40-130°

Note: Spray gun is delivered without nozzle, they need to be ordered separately. If nozzle with spray angle 30° or lower is required, please order & use other aircap (M35030077)

# EcoGun AA AUTO

## Automatic air-assist spray guns

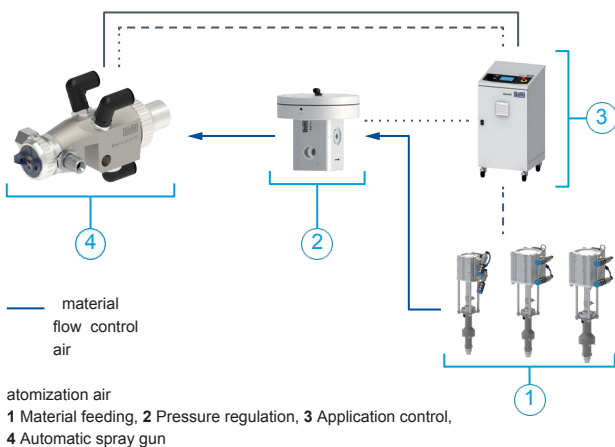
Automatic air-assist spray guns are often used in batch paint application where they are a part of the automated painting process. They are characterized by a material path made of stainless steel and a separate air regulation for round and flat spray patterns, while the seal packing is externally adjustable.



PRODUCT LINE			
	EcoGun AA AUTO XC N N ACV N P8(6/4) N	EcoGun AA AUTO XC N N FRC N P8(6/4) N	EcoGun AA AUTO XC N N RC N P8(6/4) N
Part No.	N36230157 **	N36230152 **	N36230158 **
Connector fluid	G1/4" (male)		
Connector air atom./cont.	Push-in 8 mm / Push-in 6 & 4 mm		
Max. air pressure atom.	8.0 bar (116 psi)		
Max. air pressure cont.	6.0 bar (87 psi)		
Max. fluid pressure	250 bar (3,600 psi)		
Nozzle sizes	0.18 / 0.23 / 0.28 / 0.33 / 0.38 / 0.43 *		
Technical highlights	Two material inlets. Separate round/flat spray regulation. Needle seal accessible from the outside.		
Field of use	Most flexible gun variant with air valves for separate fan and shaping air regulation; atomizing air flow control inside the gun.	Especially suitable for flat bed machines because of factory set air ratio of fan & shaping air volume / no sprayer adjustment on the gun directly; atomizing air flow control inside the gun	Separate push-in connectors for fan and shaping air regulation; well suitable for robotic and reciprocator applications, where adjustments of the air volume have to be conducted during the application; atomizing air flow is controlled externally via valves / control unit

\* See complete range of nozzles on [page no. 30](#) and page no. 29 . \*\* Air cap and nozzle to be ordered separately.

### TECHNICAL ILLUSTRATION



### CUSTOMER BENEFITS

- Air-assist and airless work mode possible
- Material pressure up to 250 bar (3,600 psi)
- Material path completely made of stainless steel
- Needle seal accessible from the outside
- Separate round/flat spray regulation (for ACV or RC version)
- Wide range of nozzles available
- Material circulation or direct material supply
- In-line filter available

# EcoGun AA

## Manual & automatic air-assist spray guns



### NOZZLE 6-KT AIR-ASSIST – COMPATIBLE WITH EcoGun 2100 AirCombi / EcoGun AA AUTO

Orifice size mm / inch.	Flow rate l / min <sup>2,3</sup>	Fan angle Fan width in mm (inches) <sup>1</sup>								
		10° 51-76 (2-4)	20° 102-152 (4-6)	30° 152-203 (6-8)	40° 203-254 (8-10)	50° 254-305 (10-12)	60° 305-356 (12-14)	70° 356-406 (14-16)	80° 406-457 (16-18)	90° 457-508 (18-20)
0.18 / 0.007	0.18	M09020372	M09020373 M09270003	M09020374 M09270004	M09020375 M09270005					
0.23 / 0.009	0.25	M09020376 M09270006	M09020377 M09270007	M09020378 M09270008	M09020379 M09270009	M09020380 M09270010	M09020381 M09270011			
0.28 / 0.011	0.37	M09020382	M09020383 M09270012	M09020384 M09270013	M09020385 M09270014	M09020386 M09270015	M09020387 M09270016	M09020388 M09270017		
0.33 / 0.013	0.57	M09020389	M09020390 M09270018	M09020391 M09270019	M09020392 M09270020	M09020393 M09270021	M09020394 M09270022	M09020395 M09270023	M09020396 M09270024	
0.38 / 0.015	0.72		M09020398	M09020399 M09270025	M09020400 M09270026	M09020401 M09270027	M09020402 M09270028	M09020403 M09270029	M09020404 M09270030	M09020405 M09270031
0.43 / 0.017	0.98			M09020408 M09270032	M09020409 M09270033	M09020410 M09270034	M09020411 M09270035	M09020412 M09270036	M09020413 M09270037	M09020414 M09270038
0.48 / 0.019	1.30			M09270039	M09270040	M09270041	M09270042		M09270043	
0.53 / 0.021	1.52					M09270044	M09270045			
0.60 / 0.024	1.95	P1 = 100 bar, Q1 = flow rate according to table				M09270047				
0.70 / 0.028	2.70		M09270046							

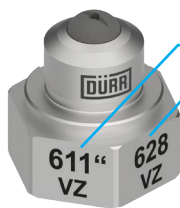
<sup>1</sup> - Fan width in 300 mm spraying distance with water

<sup>2</sup> - Flow rate at 100 bar pressure with water, deviation of up to ± 15% to the setpoint is permitted

<sup>3</sup> - Use the following formulare to calculate the flow rate (Q2) to a new operating pressure (P2):

Part numbers in grey are nozzles with preatomizer. Part numbers in blue are nozzles without preatomizer.

### Nozzle marking



AXX

“

AYY

A – fan angle (e.g. 6 = 60°)  
 XX – size in inches (e.g. 11 = 0.011”) yy – size in mm (e.g. 28 = 0.28 mm) Vz – nozzles with preatomizer



### AIR-ASSIST AIR CAPS

	Air cap 10-30°	Air cap 40-90°
Part No.	M35030077	M35030078
Compatible spray guns	EcoGun 2100 AirCombi, EcoGun AA AUTO	EcoGun 2100 AirCombi, EcoGun AA AUTO
Spray angle	10-30°	40-90°
Field of use	Primers, base coats, clear coats, UV-coats.	Primers, base coats, clear coats, UV-coats.