



Nanogun+ Airspray Manual

Low Pressure Electrostatic Gun

THE ONE AND ONLY MANUAL ELECTROSTATIC GUN LOW PRESSURE

Product highlights

- High Transfer Efficiency for unrivaled paint savings
- Optimum Coverage for outstanding finishing application
- The Lightest electrostatic gun for the comfort of the operators



BOND • PROTECT • BEAUTIFY

Nanogun+ Airspray Manual

Low Pressure Electrostatic Gun

The Nanogun+ Airspray is specially designed for spraying liquid solvent-based materials at low pressures in many markets. Its lightweight and its ergonomic design make it the best choice for the operators to improve their comfort.



Adapted industrial markets



Wood



Industrial



Transportation



ACE*



Technical data table

Designation	Value	Unit
Maximum Air Pressure	7 (101)	bar (psi)
Liquid Electrostatic Technology	Internal charge	
Minimum Flow	100 (0.026)	cc/min (gal/min)
Maximum Flow	750 (0.198)	cc/min (gal/min)
Maximum Material Pressure	7 (101)	bar (psi)
Weight	488 (17)	g (oz)
High Voltage (maximum)	60	kV
Current Max	80	µA
High Voltage Unit	HVU 6080	
High Voltage Control Module	GNM6080: II (2) G [0.24 mJ]	
Trigger Lock Safety	Yes	
Certification	II 2 G 0.24 mJ	
Maximum Fluid Temperature	45 (113)	°C (°F)

Marking

Product	Type
Nanogun+ Airspray Manual	CE 0080  II 2 G 0.24 mJ

*: "AgricultureConstruction and Earthmoving"



Technologies

ATEX



ATEX regulation



Electrostatic



Airspray HPA



Airspray HVLP



Vortex



Description

Taking full advantage of our 70 years of expertise with electrostatic technology, Sames has developed the only electrostatic gun to spray with BOTH high Voltage and high Current, certifying optimal paint charge and efficient paint transportation to the part. This combination delivers up to 20% higher transfer efficiency compared to previous gun designs.

The Nanogun+ Airspray, low pressure manual electrostatic gun, is suitable for many markets, such as aerospace, agricultural & construction, metallic furniture, wood and automotive industries.

Paint may be supplied to the gun via a pump, a pressure tank or a circulating. When spraying, the charged paint drops will follow the lines of the electric field to the part. Electrostatics produce a paint savings and wraparound effect which reduces overspray and pollution. Adding compressed air to it allows enhanced penetration into cavities.

Performances

- 1 Automatic control of high voltage to maintain constant paint charge for higher Transfer Efficiency
- 2 - Optimal wrap-around and penetration effects for unrivaled paint savings with BOTH high current and high voltage
 - High-quality coverage and regular thickness for outstanding finishing application
 - Wide range of viscosities to cover all product specifications at reduced costs

Productivity

- 3 Air and paint flows easily adjustable with intuitive knobs
- 4 - Spray change from flat to round type is fast and simple
- 5 - High Voltage triggered when needle moves – no pressure sensor for higher safety
- 6 - GNM 6080 control module provides smart diagnostics for improved maintenance
- The lightest electrostatic gun of the market

Sustainability

- 7 Quick disconnect for enhanced maintenance
- 8 - External paint circuit with simplified access for replacement
- 8 - Coil fluid hose to allow safe application of metallic paints
- Reduced Total Cost of Ownership with around 30% less wearable parts than market standards
- Reliable quality of raw materials for tough use and long lifetime



Accessories

Designation	Part number
Fan spray nozzle	1406402
Fan spray air cap	900009014
Round spray 8 mm (.315 in) air cap	900010503
Round spray 12 mm (.472 in) air cap	900010504
Round spray 6 mm (.236 in) air cap	900011365
Round spray 8 mm (.315 in) nozzle	910003847
Round spray 12 mm (.472 in) nozzle	910003920
Round spray 6 mm (.236 in) nozzle	910018322

Spare parts

Designation	Part number
Air settings button enlarger	900020056
New air valve kit with washer	910018203
Maintenance Seal Kit for Nanogun Airspray	910021244
Kit 4 fingers trigger NANOGUN+ Airspray HR	910030837
Kit mini coil NANOGUN+ Airspray HR	910034975
Air settings button enlarger	900020056
New air valve kit with washer	910018203
Kit 4 fingers trigger NANOGUN+ Airspray HR	910030837
Kit mini coil NANOGUN+ Airspray HR	910034975

Equipment

Designation	Part number
NANOGEN+ AIRSPRAY	910017221-07
NANOGEN+ AIRSPRAY	910017221-15
NANOGEN+ AIRSPRAY	910017222-07
NANOGEN+ AIRSPRAY	910017222-15
NANOGEN+ AIRSPRAY	910017222-25
NANOGEN+ AIRSPRAY	910017223-07
NANOGEN+ AIRSPRAY	910017223-15
NANOGEN+ AIRSPRAY	910017223-25
NANOGEN+ AIRSPRAY	910017224-07
NANOGEN+ AIRSPRAY	910017224-15
NANOGEN+ AIRSPRAY	910017741-07
NANOGEN+ AIRSPRAY	910017741-15
NANOGEN+ AIRSPRAY	910017742-07
NANOGEN+ AIRSPRAY	910017742-15
NANOGEN+ AIRSPRAY	910020036-07
NANOGEN+ AIRSPRAY	910022100-07
NANOGEN+ AIRSPRAY	910022359-07
NANOGEN+ AIRSPRAY	910025620-07
NANOGEN+ AIRSPRAY	910025620-15
NANOGEN+ AIRSPRAY	910025621-07
NANOGEN+ AIRSPRAY	910025621-15
NANOGEN+ AIRSPRAY	910025622-07
NANOGEN+ AIRSPRAY	910025622-15
NANOGEN+ AIRSPRAY HR Flat 7,5M + GNM 6080 EU with mini coil - 2 fingers trigger version	910034181-07
NANOGEN+ AIRSPRAY HR S-Vortex08 7,5M + GNM 6080 EU with mini coil - 2 fingers trigger version	910034183-07
NANOGEN+ AIRSPRAY HR Flat 7,5M + GNM 6080 EU - 4 fingers trigger version	910034184-07
NANOGEN+ AIRSPRAY HR S-Vortex12 7,5M + GNM 6080 EU - 4 fingers trigger version	910034185-07
NANOGEN+ AIRSPRAY HR S-Vortex08 7,5M + GNM 6080 EU - 4 fingers trigger version	910034186-07
NANOGEN+ AIRSPRAY HR S-Vortex06 7,5M + GNM 6080 EU - 4 fingers trigger version	910034187-07
NANOGEN+ AIRSPRAY HR S-Vortex06 7,5M + GNM 6080 EU with mini coil - 2 fingers trigger version	910034259-07
NANOGEN+ AIRSPRAY HR S-Vortex12 7,5M + GNM 6080 EU with mini coil - 2 fingers trigger version	910034260-07

Additional information

- User manual

- Spare parts

- Accessories

- Documents

- Videos



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