

Equipment

Designation	Resistivity (High/Medium/Low)	Coil	Spray type	Nozzle size	Spray Width	Hose length	Part number
NANOGUN+ AIRSPRAY	High		Flat		37 cm	7.5 m (25 ft)	910017223-07
NANOGUN+ AIRSPRAY	High		Round	8 mm (.315 in)	20 cm	7.5 m (25 ft)	910017224-07
NANOGUN+ AIRSPRAY	High		Round	12 mm (.472 in)	21 cm	7.5 m (25 ft)	910017741-07
NANOGUN+ AIRSPRAY	High	◆	Flat		37 cm	7.5 m (25 ft)	910020036-07
NANOGUN+ AIRSPRAY	High	◆	Round	8 mm (.315 in)	20 cm	7.5 m (25 ft)	910022359-07
NANOGUN+ AIRSPRAY	High		Flat		37 cm	15 m (50 ft)	910017223-15
NANOGUN+ AIRSPRAY	High		Round	8 mm (.315 in)	20 cm	15 m (50 ft)	910017224-15
NANOGUN+ AIRSPRAY	High		Round	12 mm (.472 in)	21 cm	15 m (50 ft)	910017741-15
NANOGUN+ AIRSPRAY	High		Flat		37 cm	25 m (80 ft)	910017223-25
NANOGUN+ AIRSPRAY	Medium		Flat		37 cm	7.5 m (25 ft)	910025622-07
NANOGUN+ AIRSPRAY	Medium		Round	8 mm (.315 in)	20 cm	7.5 m (25 ft)	910025620-07
NANOGUN+ AIRSPRAY	Medium		Round	12 mm (.472 in)	21 cm	7.5 m (25 ft)	910025621-07
NANOGUN+ AIRSPRAY	Medium		Flat		37 cm	15 m (50 ft)	910025622-15
NANOGUN+ AIRSPRAY	Medium		Round	8 mm (.315 in)	20 cm	15 m (50 ft)	910025620-15
NANOGUN+ AIRSPRAY	Medium		Round	12 mm (.472 in)	21 cm	15 m (50 ft)	910025621-15
NANOGUN+ AIRSPRAY	Low		Flat		37 cm	7.5 m (25 ft)	910017221-07
NANOGUN+ AIRSPRAY	Low		Round	6 mm (.236 in)	19 cm	7.5 m (25 ft)	910022100-07
NANOGUN+ AIRSPRAY	Low		Round	8 mm (.315 in)	20 cm	7.5 m (25 ft)	910017222-07
NANOGUN+ AIRSPRAY	Low		Round	12 mm (.472 in)	21 cm	7.5 m (25 ft)	910017742-07
NANOGUN+ AIRSPRAY	Low		Flat		37 cm	15 m (50 ft)	910017221-15
NANOGUN+ AIRSPRAY	Low		Round	8 mm (.315 in)	20 cm	15 m (50 ft)	910017222-15
NANOGUN+ AIRSPRAY	Low		Round	12 mm (.472 in)	21 cm	15 m (50 ft)	910017742-15
NANOGUN+ AIRSPRAY	Low		Round	8 mm (.315 in)	20 cm	25 m (80 ft)	910017222-25
NANOGUN+ AIRSPRAY HR Flat 7.5M + GNM 6080 EU with mini coil - 2 fingers trigger version	High	◆	Flat		37 cm	7.5 m (25 ft)	910034181-07
NANOGUN+ AIRSPRAY HR S-Vortex06 7.5M + GNM 6080 EU with mini coil - 2 fingers trigger version	High	◆	Round	6 mm (.236 in)	19 cm	7.5 m (25 ft)	910034259-07
NANOGUN+ AIRSPRAY HR S-Vortex08 7.5M + GNM 6080 EU with mini coil - 2 fingers trigger version	High	◆	Round	8 mm (.315 in)	20 cm	7.5 m (25 ft)	910034183-07
NANOGUN+ AIRSPRAY HR S-Vortex12 7.5M + GNM 6080 EU with mini coil - 2 fingers trigger version	High	◆	Round	12 mm (.472 in)	21 cm	7.5 m (25 ft)	910034260-07
NANOGUN+ AIRSPRAY HR Flat 7.5M + GNM 6080 EU - 4 fingers trigger version	High		Flat		37 cm	7.5 m (25 ft)	910034184-07
NANOGUN+ AIRSPRAY HR S-Vortex06 7.5M + GNM 6080 EU - 4 fingers trigger version	High		Round	6 mm (.236 in)	19 cm	7.5 m (25 ft)	910034187-07
NANOGUN+ AIRSPRAY HR S-Vortex08 7.5M + GNM 6080 EU - 4 fingers trigger version	High		Round	8 mm (.315 in)	20 cm	7.5 m (25 ft)	910034186-07
NANOGUN+ AIRSPRAY HR S-Vortex12 7.5M + GNM 6080 EU - 4 fingers trigger version	High		Round	12 mm (.472 in)	21 cm	7.5 m (25 ft)	910034185-07

Accessories

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

Nanogun+ Airspray Manual

Low Pressure Electrostatic Gun



Electrostatic / Manual Guns

THE ONE AND ONLY MANUAL ELECTROSTATIC GUN LOW PRESSURE

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

Markets



BOND • PROTECT • BEAUTIFY

## spare parts

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

# 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.



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.



## Technical data table

Designation	Value	Unit: metric (US)
Maximum Fluid Pressure	7 (101)	bar (psi)
Maximum Fluid Outlet	750 (25)	cc/min (oz/min)
Minimum Fluid Outlet	100 (3.38)	cc/min (oz/min)
Maximum Air Pressure	7 (101)	bar (psi)
Maximum Fluid Temperature	45 (113)	°C (°F)
Trigger Lock Safety	♦	
Recommended Material Viscosity Range	14 - 50	s CA4
High Voltage (maximum)	60	kV
Current	80	µA
Weight	488 (17)	g (oz)
ATEX Certification	II 2 G 0.24 mJ	
High Voltage Control Module	GNM6080: II (2) G [0.24 mJ]	



## Technologies

ATEX

ATEX Regulation



Electrostatic



Airspray HPA™



HVLP



Vortex

## Performance

- 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



## Description

