

Nanogun Airspray

Manual electrostatic low pressure gun



- > Lightweight electrostatic gun
- > Outstanding finish quality
- > High voltage & current for more paint savings

Nanogun Airspray is a manual air spray gun, for the spraying of solvent materials. Paint can be supplied to it via a pump, a pressure tank or a circulating.

When spraying, the charged paint drops follow the lines of the electric field to the part. Electrostatics result in paint savings and wrap around, reduced overspray and pollution. Adding compressed air to it, allows penetration into cavities.

0.5 to 500 MΩ.cm

488 g

60 kV
80 μA

up to 750 cc/min



www



Fan spray



Super VORTEX Round Spray



FIELD OF APPLICATION

- Aerospace
- Metallic furniture
- Cycles & Motorcycles
- Wood industry
- Aluminium profiles
- Agricultural & construction equipment
- Automotive OEM, Tier One and Tier Two



Nanogun Airspray

CUSTOMERS' BENEFITS

Intuitive controls

- High voltage On/Off
- Pattern width
- Paint flow rate



Option

- A coil fluid hose to facilitate safe application of metallic paints



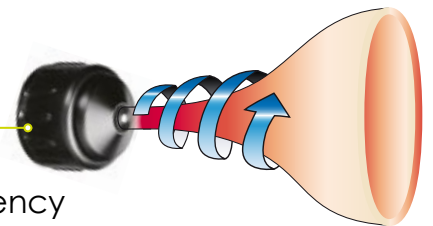
Enhanced ergonomics

- Lightweight
- Perfectly balanced
- Grip & barrel design based on firearms manufacturers' studies
- Flexible hoses
- High Resistivity version



Aircap innovation

- Super Vortex technology for finest atomization
- Good homogeneity between edge and center of pattern
- New round spray design: less overspray for 10% higher efficiency
- New fan spray aircap: 19% higher efficiency



GNM 6080 Control Module

- Easy to maintain:
 - Scheduled alert
 - Diagnostic alert
- Easy to use:
 - kV setup value
 - 3 presets
 - High visibility of the display value



Technical Data

GUN		Nanogun Airspray	
Gun weight without hoses or cables	488 g		
Gun length	230 mm		
Hose lengths available	7.5 m, 15 m and 25 m (option)		
Type of spray	Super Vortex round spray dia.(mm) 6, 8 and 12		Fan spray
Spray width, 25 cm away, 60kV	Fan spray : 37 cm Round spray Ø6 : 19 cm, Ø8 : 20 cm, Ø12 : 21 cm		
Wetted parts	Titanium, Tungsten, Chemraz®, PA12, PEBD, PEEK		
Pneumatic supply		Nanogun Airspray	
Max air supply pressure	7 bar (101psi)		
Product supply		Nanogun Airspray	
Paint flow rate	from 100 to 750 ⁽¹⁾ cc/min.		
Max paint supply pressure	7 bar (101psi)		
Recommended product viscosity	14 to 50 seconds AFNOR #4 Cup		
Fluid max temperature	45 (°C)		
<i>(1): depending on viscosity</i>			
High Voltage		GNM6080	
Voltage maxi.	60 kV		
Current maxi.	80 µA		

ATEX marking:

NANO GUN AIRSPRAY

CE 0080 Ex II 2 G CII, GP D, Spray MII
Refer to manual 7105
0.24 mJ
INERIS14ATEX0014



GNM6080:

CE 0080 Ex II (2) G
[0.24 mJ]
INERIS14ATEX0014



Control module should not be installed in an ATEX zone (potentially explosive).

TWO VERSIONS DEPENDING ON YOUR NEEDS:



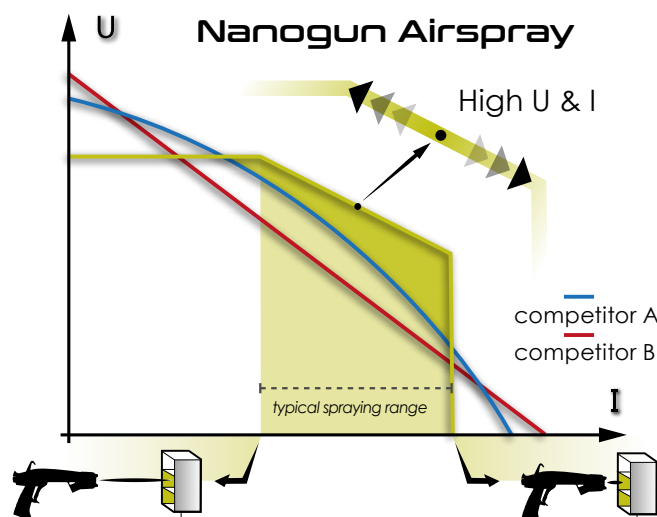
GUN VERSION:	Compatible with	Paint resistivity
HR / QD (High Resistivity/Quick Disconnect)	solvent based paint	10 to 500 MΩ.cm
LR (Low Resistivity)	solvent based paint	0.5 to 200 MΩ.cm
H2O : use with Isocube insulating cabinet (Low Resistivity)	water based paint or non-flammable product	few kΩ.cm

NANO GUN AIRSPRAY STANDS FOR HIGH VOLTAGE & CURRENT:

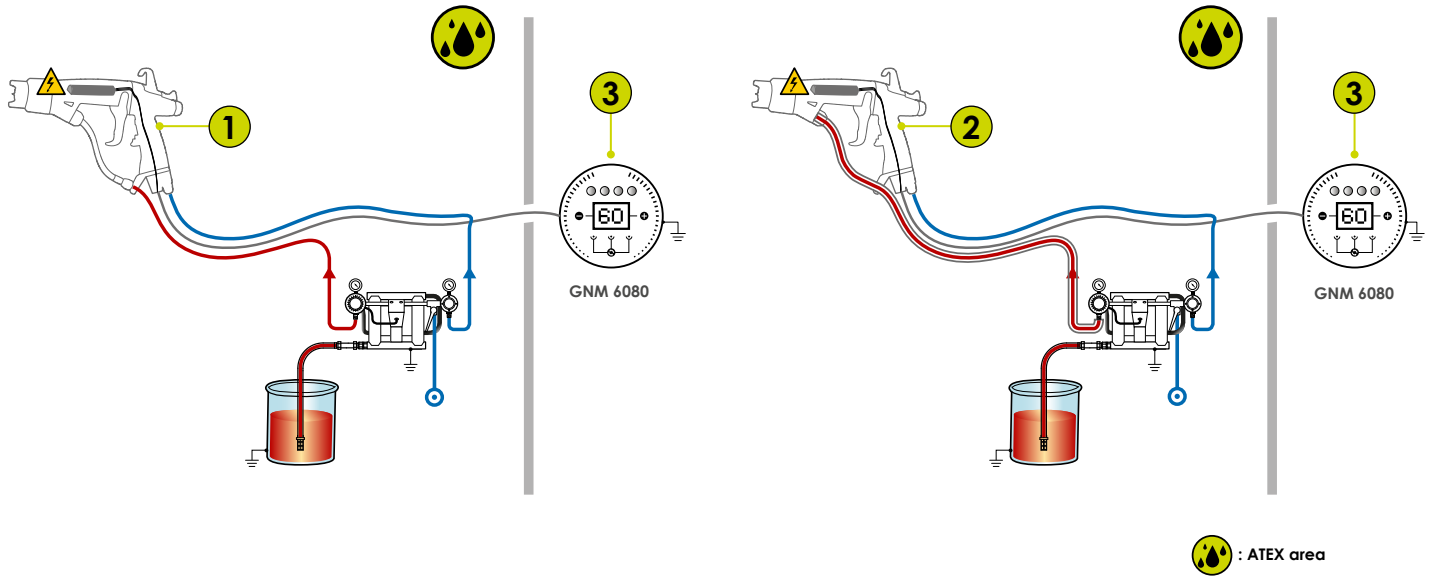
Taking full advantage of our 65 years of expertise with electrostatic technology, SAMES KREMLIN has developed the only electrostatic gun to spray with BOTH high current and high voltage, guaranteeing:

- Optimal paint charge
- Efficient paint transportation to the part

This combination delivers up to 20% higher transfer efficiency compared to previous gun designs.



Build your Gun



Mark NANOGUN AIRSPRAY SET EU (Handgun + hoses + Control module + tools)

	with Fan spray	with Super Vortex Round Spray ø6 mm	with Super Vortex Round Spray ø8 mm	with Super Vortex Round Spray ø12 mm
1 HR / QD VERSION				
Paint hose = 7.5 m	910017223-07	contact us	910017224-07	910017741-07
Paint hose = 15 m	910017223-15	contact us	910017224-15	910017741-15
2 LR VERSION				
Paint hose = 7.5 m	910017221-07	contact us	910017222-07	910017742-07
Paint hose = 15 m	910017221-15	contact us	910017222-15	910017742-15

HR / QD = High Resistivity & Quick Disconnect
LR = Low Resistivity

3 Mark 3	CONTROL MODULE
GNM6080 EU	910017193
GNM6080 CSA	910017192

OPTION NOZZLES AND AIRCAPS

Fan spray nozzle

Description	type	Reference
Fan spray	nozzle	1406402
	high efficiency air cap	900009014
	air cap	737549
	SPE Air Cap (narrow fan spray)	737550
	SPL Air Cap (broad fan spray)	737552

Round spray nozzle - Super VORTEX cap

Injector (ø mm)	type	Reference
6	nozzle	910018322
	air cap	900011365
8	nozzle	910003847
	air cap	900010503
12	nozzle	910003920
	air cap	900010504

