

RANSBURG VECTOR SOLO

85 kV Cordless Electrostatic - Anything but ordinary

VECTOR SOLO 85kV – Cordless Gun a new innovation from the World's leader in Electrostatic technology.

Ransburg®



Our World Famous Electrostatic Technology comes up with a new Cordless Gun that stands out – And Alone – in the liquid coating Industry. Vector Solo is the result of years of work to develop a cordless electrostatic gun worthy of the Ransburg name and the quality tradition we've upheld world wide.

This new low pressure spray gun represents an extraordinary accomplishment representing significantly improving paint atomisation, transfer efficiency, durability and operator comfort with complete compliance with European Environmental Legislation.

Vector Solo combines cordless portability and convenience with best in class atomisation technology on most solvent based paints and materials.

Typical applications

- Aerospace industry
- General Metal spraying
- Commercial and off Road Vehicles
- Intricate metal components and parts
- Plus many others...

Cordless portability and convenience - no generators or controllers

Superior atomisation and transfer efficiency

Lighter weight with superior ergonomic balance

Quick and easy to set up "straight from the box"

Lower running costs and maintenance.

VECTOR
SOLO

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Main advantages of

- **Easily maintained**
...modular design is easy to repair
 - **LED style voltage indicator light**
...operator can easily tell if high voltage is on or off
 - **Flexible electrode**
...eliminates permanent deformation of the wire
 - **Solvent proof "O" rings in critical solvent areas**
...unique compound eliminates worries of swelling or erosion in solvent exposed areas
- **Ransburg's best in class atomisation technology**
...superior atomization delivers highest finish quality
 - **Uses minimal air consumption to drive the power source**
...requires only an additional 120 slpm* (4 cfm) over a corded applicator
 - **Replaceable cascade**
...cascades are easily replaceable and at lower cost than a combination barrel and potted cascade assembly
 - **Low motor speed**
...reduces vibration transmitted to the handle. Lower vibration transmission compared to competitive units provides easier handling and less operator fatigue and longer motor life
 - **High-low quick voltage setting**
...easy switching for targets with recesses where Faraday cage effects could create unwanted results at full voltage



- **Onboard diagnostic test points provide easy trouble shooting**
...allows use of standard multi-meters to diagnose potential problems with the unit and target for repair or parts replacement
- **Encapsulated cascade**
...with no direct openings to the electronics of the cascade, the chance of solvent penetration is eliminated
- **Robust motor design, resists issues with common air supply conditions**
...subjected to dirty, wet, oily or dry air, the unit still functions
- **Quick high voltage ramp up time**
...zero to full voltage in as quick as the air moves through the power module
- **Easily repaired**
...just three metric Allen wrenches, an adjustable wrench, special gun wrench and the jam nut tool are all the service tools required to totally disassemble and reassemble the unit

*slpm = standard litres per minute

Ergonomic Balance - reduces operator fatigue

Ransburg air caps
...provide best in class atomization and superior transfer efficiency

Replaceable Cascade
...for easy maintenance

Low trigger pull force
...reduces operator fatigue

Lock-in-place air cap indexing system
...locks air cap position in increments of 90°

Cordless Portability
..."sprays anywhere" without electric cords with improved flexibility and movement

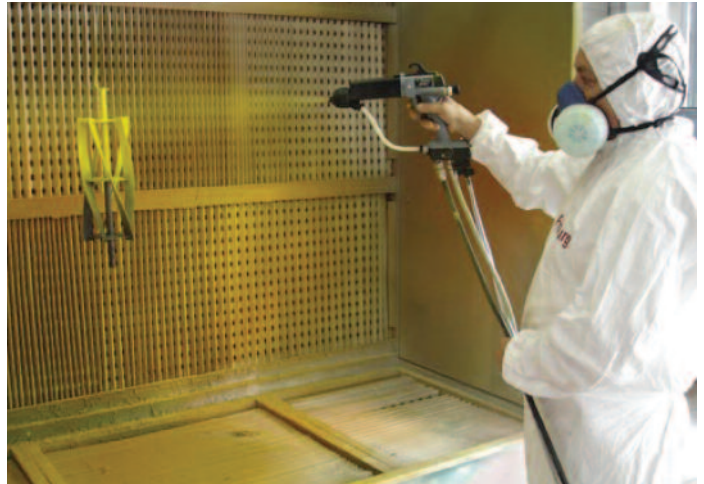
Ergonomic handle contouring
...proper palm engagement reduces the grip force required to hold the gun over long periods



Vector Solo options and accessories

- Fluid hose
- Quick disconnect coupling for air hose
- Conductive gloves
- Gun Covers
- Paint Meter and Probe
- Grounding Strips
- Air Cap test kit
- Inline pressure gauge

Vector Solo Specifications	
Applicator Length:	320 mm
Weight:	880 g
Atomising air pressure (max):	6.9 bar (100 psi)
Operating Fluid Pressure (max):	6.9 bar (100 psi)
Operating Voltage:	85kV (max)
Max Current:	130µA
Max Fluid Temperature:	65° C
Fluid Flow Capacity:	1000 ml/min



Note: Use with original Ransburg Solo air hose only.

Order number: 79900 - 11200

Solo Gun 85kV Solvent complete with 10 m air hose.

Fluid hose is not included.

Air hose length options (10m, 20m, 30m)

1.4 Nozzle and Air Cap 65 are supplied as standard

Fluid Nozzle Selection Table

Order Number	Fan Width	Nozzle Material
79377-44	1.4 mm (.055 inch)	Standard Wear
79377-144	1.4 mm (.055 inch)	Extended Wear
79377-45	1.8 mm (.070 inch)	Standard Wear
79377-145	1.8 mm (.070 inch)	Extended Wear
79377-46	1.0 mm (.042 inch)	Standard Wear
79377-146	1.0 mm (.042 inch)	Extended Wear
79377-47	7 mm (.028 inch)	Standard Wear
79377-147	7 mm (.028 inch)	Extended Wear

Air Cap and Fluid Nozzle Selection Table

Air Cap Order No.	Fluid Nozzle Order No.	Nozzle Size	Pressure Reducer
79374-65	79377-44	1.4 mm (.055)	79809-00
79374-65	79377-45	1.8 mm (.070)	79809-00
79374-98	79377-44	1.4 mm (.055)	79809-00
79374-98	79377-45	1.8 mm (.070)	79809-00

For further technical information refer to the Vector Solo 85 kV Service Bulletin

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