

# RANSBURG VECTOR AA90

## *Air Assisted Airless Electrostatic Spray Gun*

Ransburg expands the Vector line of manual electrostatic spray guns with the introduction of the Vector AA90 air-assisted airless gun.

**Ransburg®**



Vector AA90 is a rugged, yet lightweight spray gun designed with the painter in mind.

The Gun combines superior air-assisted airless atomisation technology with powerful electrostatic features, all in one gun. This integration results in a comfortable, lightweight gun with superior spray pattern characteristics, unmatched 'on gun' fan pattern adjustability with extraordinary high transfer efficiencies.

Vector AA90 is available with an extensive selection of air cap and fluid tip combinations to ensure optimum performance is achieved with the coating materials you are using today and in the future.

### **Electrostatic power with flexibility**

The gun is available in classic or cascade technology able to spray solvent or waterborne coatings. You select the system most suited for your application.

### **Typical Applications in General Industry**

- General Metal spraying
- Commercial and Off road vehicles
- Aerospace industry
- Truck and Trailers/chassis
- Rail and passenger carriages
- Metal furniture

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Classic - The perfect combination of lightweight and simplicity

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Cascade - Designed for those applications where "on the gun" control of electrostatic power output is desired

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"Triple set point" Voltage control "on the Cascade gun"

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Spray fan adjustment "on the gun"

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Ultra Lightweight gun with reduced trigger pull tension - means reduced operator fatigue

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Solvent and waterborne paint compatibility

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FM and ATEX/CE approved.

**VECTOR**

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**VECTOR AA90 Accessories:**

- Gun Covers
- Conductive Gloves
- Air Hose
- Fluid Hose
- Waterborne Fluid Hose

**Improved electronic control**

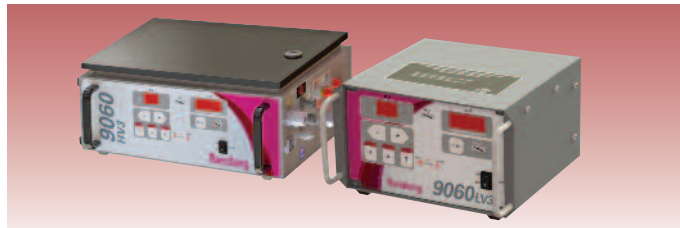
Vectors control unit offers the operator 'triple set point' voltage control, plus power on and off, right on the cascade gun. This microprocessor based control allows for data to be collected. This data can then be used to correlate the amount of paint used and parts painted.

| Vector AA90 Technical Specification |                      |                      |
|-------------------------------------|----------------------|----------------------|
| Spray gun model                     | Classic              | Cascade              |
| Fluid pressure (max)                | 190 bar (2800psi)    | 190 bar (2800psi)    |
| Atomisation                         | Air Assisted Airless | Air Assisted Airless |
| Length                              | 29.2 cm              | 29.2 cm              |
| Weight                              | 708 g                | 793 g                |
| Atomising air pressure (max)        | 6.8 bar (100 psi)    | 6.8 bar (100 psi)    |
| Tip voltage                         | 85kV maximum         | 85kV maximum         |
| Max current                         | 90 µA                | 90 µA                |
| Max fluid temperature               | 65°C                 | 65°C                 |
| Max fluid delivery                  | 1,000 ml/min         | 1,000 ml/min         |

| Vector Electrical Cable Lengths |        |                |        |
|---------------------------------|--------|----------------|--------|
| Classic Cables                  | Meters | Cascade Cables | Meters |
| 79519-10                        | 10     | 79338-01       | 1      |
| 79519-15                        | 15     | 79338-10       | 10     |
| 79519-20                        | 20     | 79338-15       | 15     |
| 79519-30                        | 30     |                |        |

| Vector AA90 Tungsten tip range |                      |            |             |             |             |
|--------------------------------|----------------------|------------|-------------|-------------|-------------|
| Fan Width                      | 100mm (4")           | 200mm (8") | 254mm (10") | 305mm (12") | 406mm (16") |
| Tip size                       | Order no. 79609-XXXX |            |             |             |             |
| 0.23mm (0.009")                | 0409                 | -          | -           | -           | -           |
| 0.28mm (0.011")                | -                    | 0811       | 1011        | -           | -           |
| 0.33mm (0.013")                | 0413                 | 0813       | -           | 1213        | -           |
| 0.38mm (0.015")                | -                    | -          | 1015        | -           | 1615        |
| 0.48mm (0.019")                | -                    | -          | -           | 1219        | 1619        |
| 0.53mm (0.021")                | -                    | -          | 1021        | -           | -           |

All Vector guns are supplied with 79609-1015 tip as standard



Ransburg HV-Generator for Vector Classic Guns

Ransburg Control Unit for Vector Cascade Guns

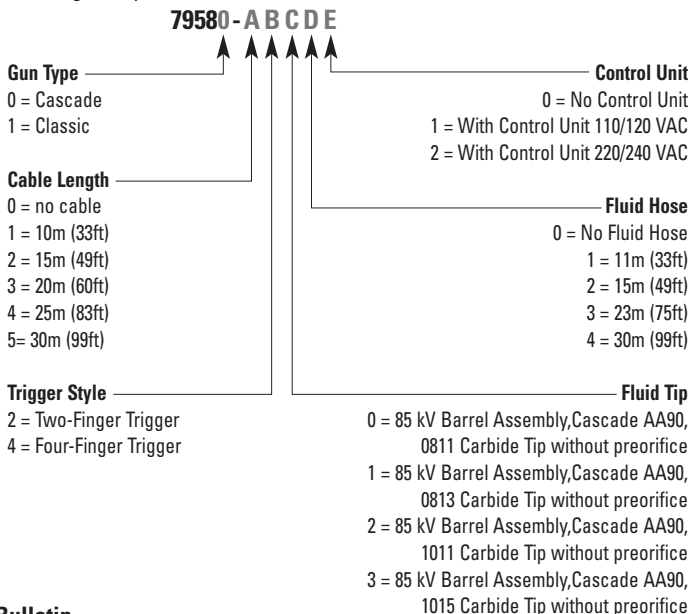
The illuminated LED display on the control unit is visible at distances up to 15 metres.

Optional multi-position mounting brackets are available.



On gun control of fan pattern and with the Cascade gun triple set point voltage adjustment is included.

Ordering example:



For further technical information refer to the Vector AA90 Service Bulletin.

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