

EVOLVER™

ADVANCED ELECTROSTATIC ROBOT ATOMIZER



DESCRIPTION

ITW Ransburg's Evolver™ arose from combining the best of four exceptional ITW products. The result? An atomizer that surpasses the competition with its ability to handle work more quickly and efficiently than ever before.

From its ability to fit all types of robots to its quick color changes, the Evolver minimizes inventory cost and downtime. Over 80% of maintenance requirements are located in the spray head assembly, allowing for upkeep and repair off-line without removal of the entire applicator. And since there are four different gun configurations, you can count on the best fit for your application.

The Evolver utilizes single and dual purge valve manifolds where all valves are grounded within the manifold. This advanced design allows for the application of more conductive solventborne materials. And the quick color change sequence during spraying means no loss of tip voltage with "true" dual purge option.

The Evolver is the right choice for effective performance.

FEATURES AND BENEFITS

- **Quick and Efficient Color Change...**Integral solvent valve allows for color change in 10 seconds or less.
- **MICROPak™ Power Supply...**provides true voltage and current feedback along with several other I/O capabilities for easy integration with a PLC or robot controller.
- **Specially Designed Fittings at Robot Mounting Plate...**prevents solvent contamination of air passages when the gun is removed from the robot wrist.
- **Field Proven High Voltage System (MicroPak™ & HP404 Cascade)...**maintains a high kv tip voltage under higher current loads.
- **Quick Disconnect Spray Head...**makes it easy to change from one spray head to another in less than one minute with only one tool.
- **Advanced Fluid Manifold Design...**allows for quicker, more efficient performance.
- **60°/90°, Dual Head Modules...**provide versatility for optimum productivity.
- **Adapters for all types of robots...**provide convenience and proficiency.
- **On-board Fluid Regulator (available)...**generates applicator feedback and control.
- **100% Tested Ransburg REA Air Cap Technology...**with positive air cap alignment.
- **Support Rods Used as Air Passages...**unique design assists in easy maintenance and efficient performance.
- **CE Certified and FM Approved...**the Evolver stands up to the industry's highest quality standards



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SPECIFICATIONS

| | Width | Height | Weight |
|---------------------|-------|--------|-------------------|
| Single-Head: | | | |
| 60° | 7" | 17" | 9.9 lbs (4.5 kg) |
| 90° | 8" | 14.5" | 9.6 lbs (4.4 kg) |
| Dual Head: | | | |
| 60° | 8.5" | 14.5" | 10.4 lbs (4.7 kg) |
| 90° | 9" | 13" | 10.4 lbs (4.7 kg) |

OPERATING PRESSURES

| | |
|----------------------------|------------------|
| Atomizing Air: | |
| (per spray head) | 100 psig max. |
| Fan Air: | |
| (per spray head) | 100 psig max. |
| Trigger Air: | 70-100 psig max. |
| Fluid: | |
| (without regulator option) | 200 psig max. |
| Fluid: | |
| (with regulator option) | 100 psig max. |
| Regulator Pilot: | 70-100 psig max. |
| Dump Pilot: | 70-100 psig max. |

Evolver is available
in 60° and 90°
dual and single
head modules.



ITW Ransburg

ITW Automotive Finishing

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Evolver's unique quick disconnect makes it easy to change
from one spray head to another.