

Ransburg®

RAIIS[®]
FLEX



HIGH PERFORMANCE
FINISHING

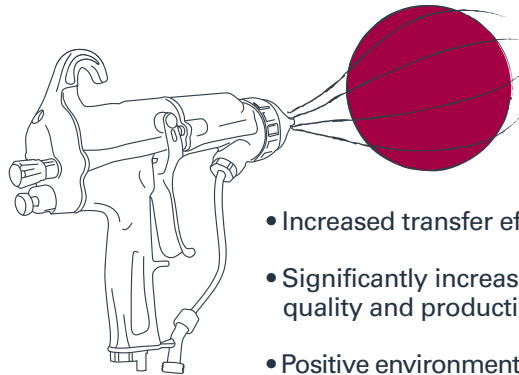


Advanced RansFlex Finishing Applicators Integrate The Best of Both Worlds – Ransburg® Electrostatics With Legendary DeVilbiss Atomization Technologies



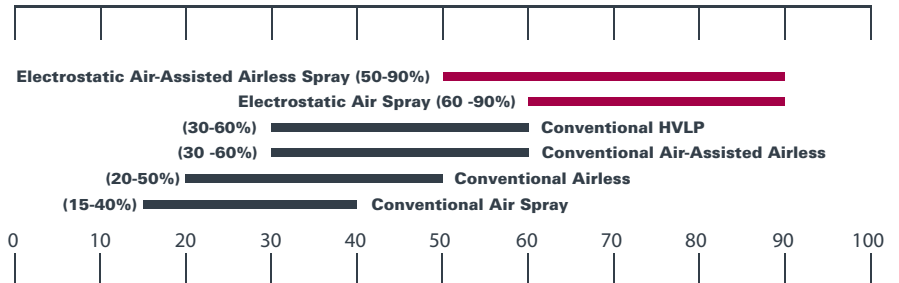
World Class Electrostatic Technology

Since Ransburg invented the process over fifty-five years ago, the industry has embraced the special benefits electrostatic systems have provided. The goal of electrostatic coating's delivery of heightened transfer efficiency hasn't changed. It's to get the most paint on a given part with the least amount of waste.



- Increased transfer efficiency
- Significantly increases quality and production
- Positive environmental impact
- Reduces overspray, air pollution and VOC emissions
- Decreases coating costs
- More consistent part-to-part quality
- Reduced costs for the disposal of hazardous materials

Transfer Efficiency



This chart represents typical equipment transfer efficiencies, but not every installation. Conditions may vary due to material and application.





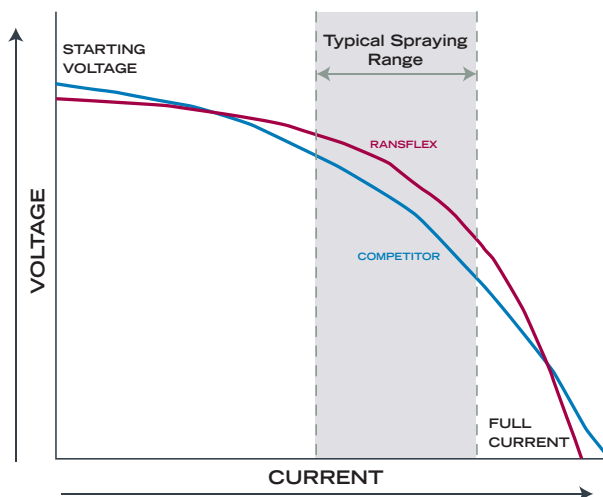
Atomization By The Inventor

RansFlex guns incorporate legendary DeVilbiss Atomization Technology. No other gun manufacturer can claim such a wealth of engineering experience in harnessing advanced atomization technology to attain the industry's highest levels of finishing productivity.

Higher Transfer Efficiency

With RansFlex, transfer efficiency has taken an even larger leap in providing a gun that can so noticeably deliver improved finishing quality while saving costly coating materials so significantly.

Smaller, Lighter weight RansFlex RX and RFX applicators feature enhanced, proprietary cascade and atomization technology. These advancements provide a compact applicator with the equivalent – or better – performance and transfer efficiency of higher voltage competitive guns.



In the Typical Spraying Range, the RansFlex produces higher kV which results in better Transfer Efficiency and less overspray.

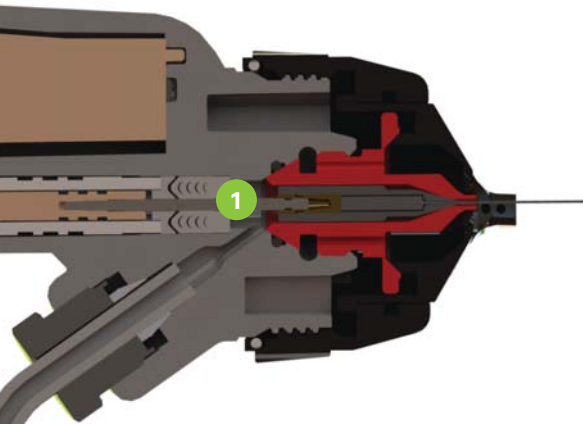




Better Inside and Out

RansFlex delivers high performance and durability in a lightweight applicator while incorporating protected strategic components.

- Ergonomic fit, feel, balance and controls.
- Superior atomization and performance.
- Sleek and smooth exterior.
- Stylized, user friendly knobs.
- Quick disconnect built into gun handle (optional).
- 20% fewer parts than older style applicators.
- Removable proprietary cascade.
- Smaller diameter fluid and air hose.

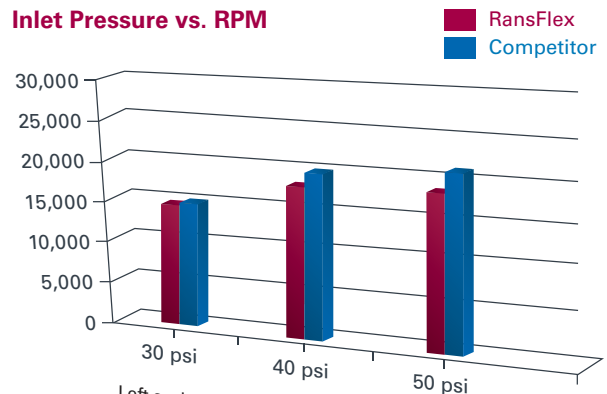


Protected Strategic Components



- 1 Solvent Proof O-ring captured in the barrel to eliminate leaks.
- 2 Cartridge valve assembly prevents paint from entering the motor cavity when the applicator is not actuated.
- 3 Generator is located above the air valve. Gravity helps to prevent solvent and/or paint intrusion.
- 4 Computational dynamics used to optimize impellor design reducing air consumption and pressure needed to drive the turbine.

Inlet Pressure vs. RPM





Left scale represents RPM and bottom scale measures handle inlet pressure. All measurements at no load.





The exterior of the applicator is smooth for easy cleaning and maintenance

	 RansFlex RX Lower kV gun model	 RansFlex RFX Higher kV gun model
Weight without hoses	599g (21.3 oz.)	620g (22.0 oz.)
Height	190.5 mm (7.5")	190.5 mm (7.5")
Width Max	41.2 mm (1 5/8")	41.2 mm (1 5/8")
Length	254 mm (10")	273 mm (10 3/4")
Operating Voltage	45 kV	65 kV
Max Current	140 mA	120 mA
Min Inlet Pressure	2.8 bar (40 psig)	2.8 bar (40 psig)
	(dynamic at handle inlet)	(dynamic at handle inlet)
Paint Conductivity	.1 M to infinity	.1 M to infinity
Fluid Flow Capacity	1,000 ml/min.*	1,000 ml/min.*
Consumption with Voltage	4385 lpm (15.4 scfm)	4385 lpm (15.4 scfm)
	2.8 bar (40 psig)	2.8 bar (40 psig)
	(at handle inlet)	(at handle inlet)
Material	Solvent Base	Solvent Base

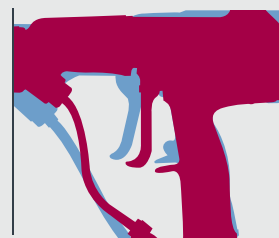
*depends on material viscosity and tip size selected

RansFlex vs. Competition

RansFlex has been tested using the highest current standards surpassing competition

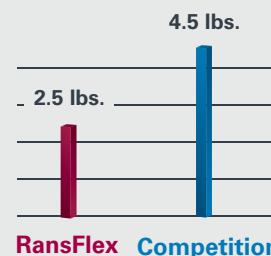
RansFlex Trigger Span

Reduced trigger span increases productivity by lowering operator fatigue.



Initial Trigger Pull

RansFlex delivers a smooth initial trigger pull applying less stress for the operator and assuring a consistent spray.





RansFlex Ergonomics

Lighter. Balanced. Streamlined.

Flexibility That Feels Better In Your Hand.

RansFlex guns provide painters with a more streamlined, lightweight and ergonomic experience. Less stress on joints and muscles lowers the risks of carpal tunnel and the impact of physical strain.



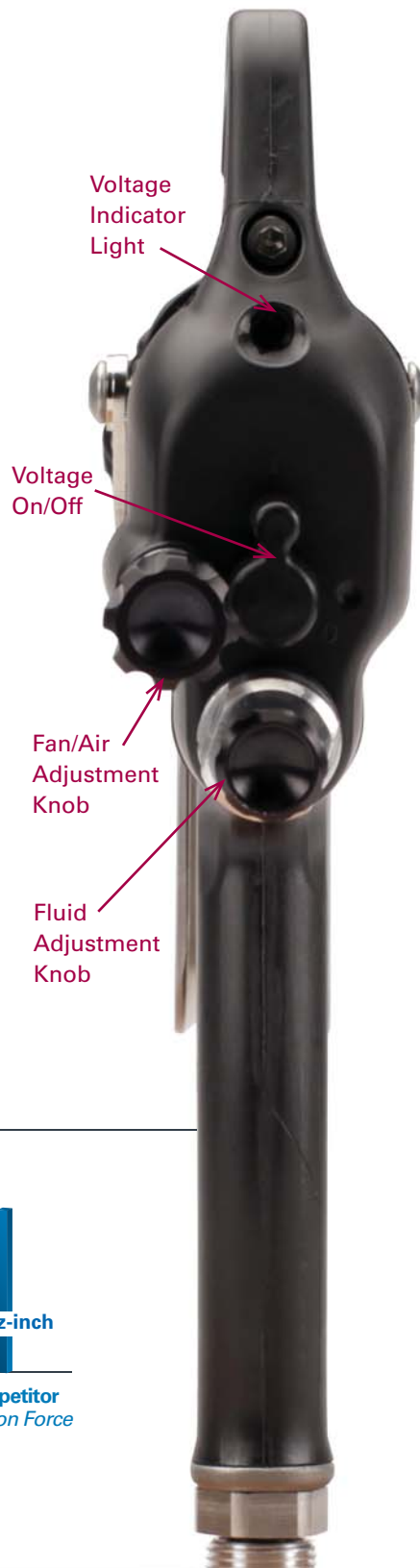
Extended and rounded rear section to support the weight of the applicator across the top of the hand.



Air inlet fitting brought up close to bracket. No special fitting required. Reduces the "treeing" effect of connectors and increases maneuverability and decreases fatigue for the painters.

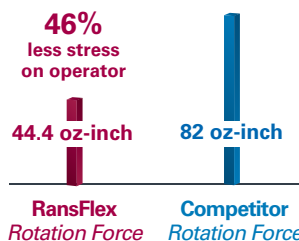


Contoured area on handle for added stability. Stylized design rests comfortably in a painter's hand.



Maneuverability Torque Test

- Conducted using applicators with fluid hoses attached.
- Torque on a painter's hand measured in ounces-inches



Easy Cleaning and Maintenance

RansFlex applicators are designed to reduce maintenance while increasing productivity

- There are NO exposed threads on either the fan valve or turbine valve cartridge effectively eliminating a favorite place for paint to collect.
- Sub-assemblies are easily removed for cleaning and maintenance.
- The overall number of assembled parts have been significantly reduced for easy maintenance.



Proven Performance

RansFlex Applicators – field tested to be the best finishing applicators available delivering the highest transfer efficiencies of any electrostatic guns in the industry.

RansFlex delivers:

- Lower air pressure required to run turbine, saving air and associated costs.
- Superior air cap performance available in air spray or TransTech technology in various pattern sizes. Based on DeVilbiss spray technology.
- Excellent balance in the hand is combined with exceptionally lightweight characteristics.
- Confidently sold with 5-year limited warranty.

If you are considering converting to electrostatics or are thinking about upgrading your applicator, RansFlex applicators give you all the right reasons to make the switch. To get more information, or to schedule a demonstration today, contact your local Ransburg distributor.

RansFlex Applicator Wins Applause!

“WOW! This gun is super light”

“Our first move to electrostatics and we saved a gallon of paint per piece”

“The reduced overspray was clearly noticeable”

“No doubt it delivered best in class atomization”



Finishing Brands – combined expertise spans more than 350 years.

The story of advancement in application technology is the story of our Finishing Group of Brands – DeVilbiss, Ransburg, BGK and Binks. Each brand grew into its own and became leaders in their individual product categories. Today – and collectively – those products share a common heritage of performance excellence and dependability. They also share a common name – Finishing Brands.

Finishing Brands is a unique, integrated provider of total paint system solutions. Electrostatic and conventional guns, fluid handling equipment, fluid metering, process controls, curing – everything is designed and manufactured to provide customers with finishing solutions with long term value.



Ransburg.

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of electrostatic systems
for painting and related
electronic fluid
handling equipment.

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