

RAINS FLEX®

ELECTROSTATICS



High
Performance
Finishing



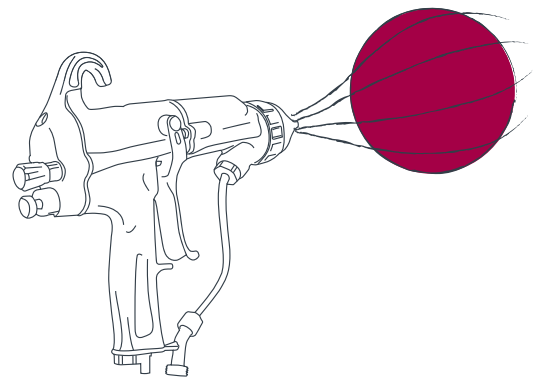
Advanced RansFlex Finishing Applicators Integrate The Best of Both Worlds – Ransburg® Electrostatics With Legendary DeVilbiss® Atomization Technologies

World Class Electrostatic Technology

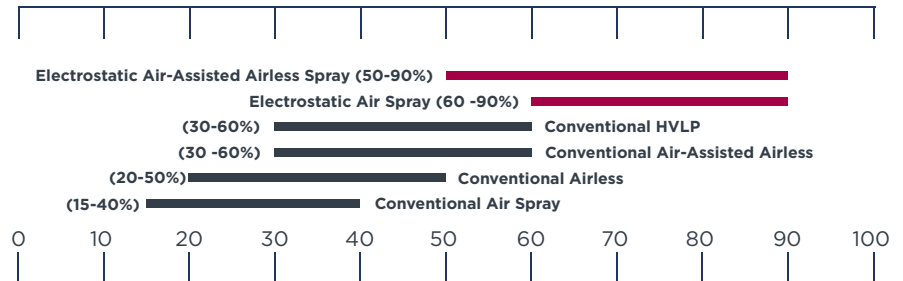
Since Ransburg invented the process over fifty-five years ago, the industry has embraced the special benefits electrostatic systems have provided. The goal of electrostatic coating's delivery of heightened transfer efficiency hasn't changed. It's to get the most paint on a given part with the least amount 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 direct charge equipment transfer efficiencies, but not every installation. Conditions may vary due to material and application.

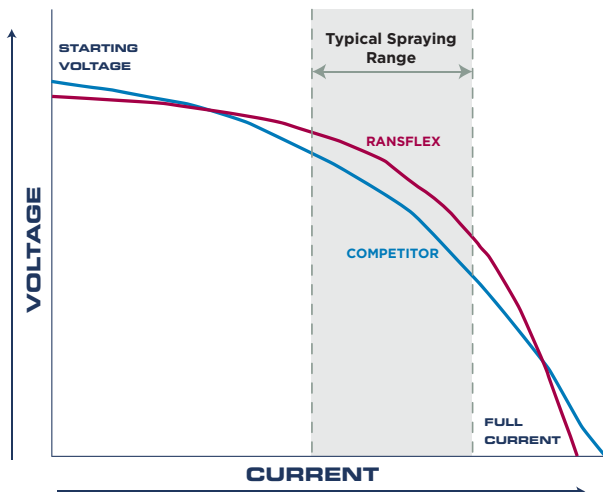


Atomization By The Inventor

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 when using the direct charge applicator.

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.
- Meets FM, FMC and ATEX approvals.
- Smaller diameter fluid and air hose.
- Waterborne or solventborne models available.
- Waterborne models available in direct or indirect charge technology for application flexibility.

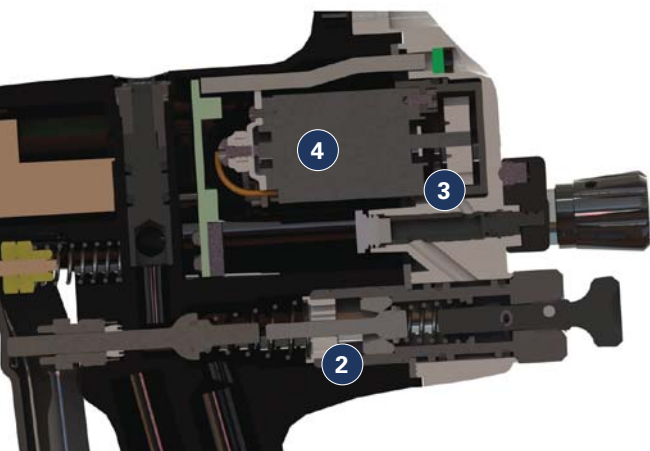


RXi Model has probes built into the air cap for indirect charge waterborne applications.

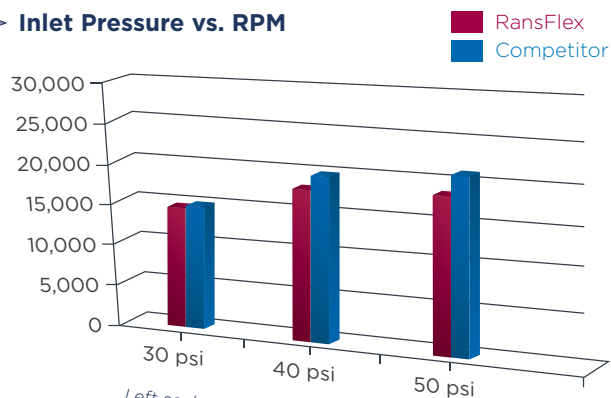


Protected Strategic Components

- 1 Solvent Proof O-ring captured in the barrel to protect internal components.
- 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



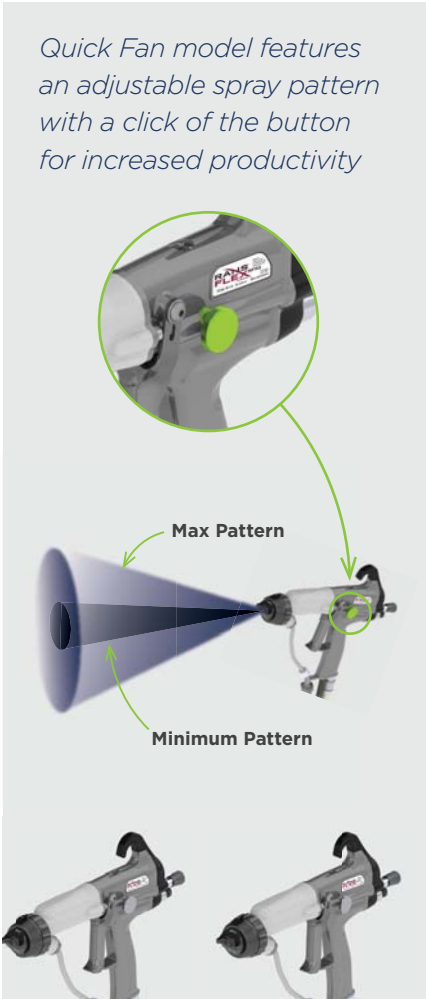
Left scale represents RPM and bottom scale measures handle inlet pressure. All measurements at no load.

RANSFLEX

High Performance Finishing



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



Quick Fan model features an adjustable spray pattern with a click of the button for increased productivity



RansFlex RX Solvent **RansFlex RFX Solvent** **RansFlex RXI Indirect Water** **RansFlex RFXWB Direct Water** **RansFlex RFXQ Quick Fan Adjust** **RansFlex RXQ Quick Fan Adjust**

	RansFlex RX Solvent	RansFlex RFX Solvent	RansFlex RXI Indirect Water	RansFlex RFXWB Direct Water	RansFlex RFXQ Quick Fan Adjust	RansFlex RXQ Quick Fan Adjust
Model #	80345	80365	80445	80520	80565	80544
Weight w/o hoses	600g (21.3 oz.)	620g (22.0 oz.)	600g (21.3 oz.)	620g (22.0 oz.)	620g (21.3 oz.)	600g (21.3 oz.)
Height	190.5 mm (7.5")	190.5 mm (7.5")	190.5 mm (7.5")	190.5 mm (7.5")	190.5 mm (7.5")	190.5 mm (7.5")
Width Max	41.2 mm (1 5/8")	41.2 mm (1 5/8")	41.2 mm (1 5/8")	41.2 mm (1 5/8")	41.2 mm (1 5/8")	41.2 mm (1 5/8")
Length	254 mm (10")	273 mm (10 3/4")	254 mm (10")	273 mm (10 3/4")	273 mm (10")	254 mm (10")
Operating Voltage	45 kV	65 kV	45 kV	65 kV	65 kV	45 kV
Max Current	140 microamperes	120 microamperes	140 microamperes	120 microamperes	120 microamperes	140 microamperes
Min Inlet Pressure	2.8 bar (40 psig) (dynamic at handle inlet)	2.8 bar (40 psig) (dynamic at handle inlet)	2.8 bar (40 psig) (dynamic at handle inlet)	2.8 bar (40 psig) (dynamic at handle inlet)	2.8 bar (40 psig) (dynamic at handle inlet)	2.8 bar (40 psig) (dynamic at handle inlet)
Paint Conductivity	.1 M to infinity	.1 M to infinity	.1 M to infinity	.1 M to infinity	.1 M to infinity	.1 M to infinity
Fluid Flow Capacity	1,000 ml/min.*	1,000 ml/min.*	1,000 ml/min.*	1,000 ml/min.*	1,000 ml/min.*	1,000 ml/min.*
Consumption with Voltage	438 slpm (15.4 scfm) 2.8 bar (40 psig) (at handle inlet)	438 slpm (15.4 scfm) 2.8 bar (40 psig) (at handle inlet)	438 slpm (15.4 scfm) 2.8 bar (40 psig) (at handle inlet)	438 slpm (15.4 scfm) 2.8 bar (40 psig) (at handle inlet)	438 slpm (15.4 scfm) 2.8 bar (40 psig) (at handle inlet)	438 slpm (15.4 scfm) 2.8 bar (40 psig) (at handle inlet)
Material	Solvent Base	Solvent Base	Water Base	Water Base	Solvent Base	Solvent Base

*depends on material viscosity and tip size selected

RansFlex Ergonomics

Lighter. Balanced.
Streamlined.

Flexibility That Feels Better In Your Hand.

RansFlex guns provide painters with a more streamlined, light-weight 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.

Voltage
Indicator
Light

Voltage
On/Off

Fan/Air
Adjustment
Knob

Fluid
Adjustment
Knob



RansFlex vs. Competition

RansFlex has been tested using the highest current standards surpassing competition

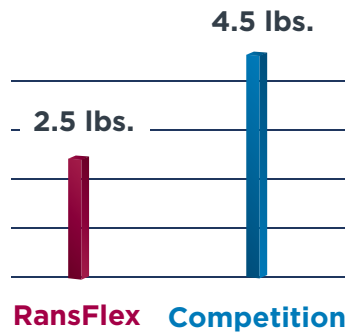
RansFlex Trigger Span

Reduced trigger span increases productivity by lowering operator fatigue.



Initial Trigger Pull

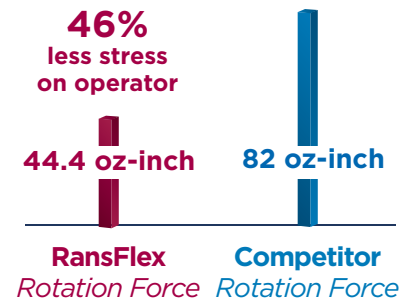
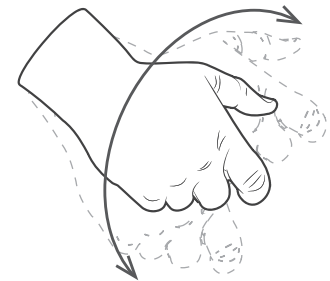
RansFlex delivers a smooth initial trigger pull applying less stress for the operator and assuring a consistent spray.



Maneuverability Torque Test

Conducted using applicators with fluid hoses attached.

Torque on a painters hand measured in ounces-inches



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"

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.