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.
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.

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.
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.

---

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

![Graph showing inlet pressure vs. RPM for RansFlex and competitor models.](image)

**Inlet Pressure**
- 30 psi
- 40 psi
- 50 psi

**RPM**
- Left scale represents RPM
- Bottom scale measures handle inlet pressure. All measurements at no load.

RANSFLEX
High Performance Finishing

www.carlisleft.com
<table>
<thead>
<tr>
<th>Model #</th>
<th>Weight w/o hoses</th>
<th>Height (mm)</th>
<th>Width Max (mm)</th>
<th>Length (mm)</th>
<th>Operating Voltage</th>
<th>Max Current (microamperes)</th>
<th>Min Inlet Pressure (bar)</th>
<th>Paint Conductivity</th>
<th>Fluid Flow Capacity (ml/min)</th>
<th>Consumption Voltage (slpm)</th>
<th>Material</th>
</tr>
</thead>
<tbody>
<tr>
<td>RansFlex RX</td>
<td>80345</td>
<td>600g (21.3 oz)</td>
<td>190.5 mm (7.5&quot;)</td>
<td>41.2 mm (1 5/8&quot;)</td>
<td>254 mm (10&quot;)</td>
<td>45 kV</td>
<td>140</td>
<td>.1 M to infinity</td>
<td>1.000 ml/min.*</td>
<td>438 slpm (15.4 scfm)</td>
<td>Solvent Base</td>
</tr>
<tr>
<td>RansFlex RFX</td>
<td>80365</td>
<td>620g (22.0 oz)</td>
<td>190.5 mm (7.5&quot;)</td>
<td>41.2 mm (1 5/8&quot;)</td>
<td>273 mm (10 3/4&quot;)</td>
<td>65 kV</td>
<td>120</td>
<td>.1 M to infinity</td>
<td>1.000 ml/min.*</td>
<td>438 slpm (15.4 scfm)</td>
<td>Solvent Base</td>
</tr>
<tr>
<td>Water Base</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>RansFlex RXi</td>
<td>80445</td>
<td>600g (21.3 oz)</td>
<td>190.5 mm (7.5&quot;)</td>
<td>41.2 mm (1 5/8&quot;)</td>
<td>254 mm (10&quot;)</td>
<td>45 kV</td>
<td>140</td>
<td>.1 M to infinity</td>
<td>1.000 ml/min.*</td>
<td>438 slpm (15.4 scfm)</td>
<td>Water Base</td>
</tr>
<tr>
<td>Indirect Water</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>RansFlex RXWB</td>
<td>80520</td>
<td>620g (22.0 oz)</td>
<td>190.5 mm (7.5&quot;)</td>
<td>41.2 mm (1 5/8&quot;)</td>
<td>273 mm (10 3/4&quot;)</td>
<td>65 kV</td>
<td>120</td>
<td>.1 M to infinity</td>
<td>1.000 ml/min.*</td>
<td>438 slpm (15.4 scfm)</td>
<td>Water Base</td>
</tr>
<tr>
<td>Direct Water</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>RansFlex RFXQ</td>
<td>80565</td>
<td>620g (22.0 oz)</td>
<td>190.5 mm (7.5&quot;)</td>
<td>41.2 mm (1 5/8&quot;)</td>
<td>273 mm (10 3/4&quot;)</td>
<td>65 kV</td>
<td>120</td>
<td>.1 M to infinity</td>
<td>1.000 ml/min.*</td>
<td>438 slpm (15.4 scfm)</td>
<td>Solvent Base</td>
</tr>
<tr>
<td>Quick Fan Adjust</td>
<td>80544</td>
<td>600g (21.3 oz)</td>
<td>190.5 mm (7.5&quot;)</td>
<td>41.2 mm (1 5/8&quot;)</td>
<td>273 mm (10 3/4&quot;)</td>
<td>65 kV</td>
<td>120</td>
<td>.1 M to infinity</td>
<td>1.000 ml/min.*</td>
<td>438 slpm (15.4 scfm)</td>
<td>Solvent Base</td>
</tr>
</tbody>
</table>

*depends on material viscosity and tip size selected

**RANSFLEX**

*High Performance Finishing*

- Non-hydroscopic Nylon barrel for easy cleaning
- Engineered material providing strength and operator grounding.
- Engineered impact resistant rear cover
- Stamped metal trigger
- 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.

*www.carlisleft.com*
RansFlex Ergonomics


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.

www.carlisleft.com

RANSFLEX
High Performance Finishing
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 painter's hand measured in ounces-inches.

RansFlex vs. Competition:
- **Rotation Force:** 46% less stress on operator
- **Initial Trigger Pull:** 44.4 oz-inch vs. 82 oz-inch

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.