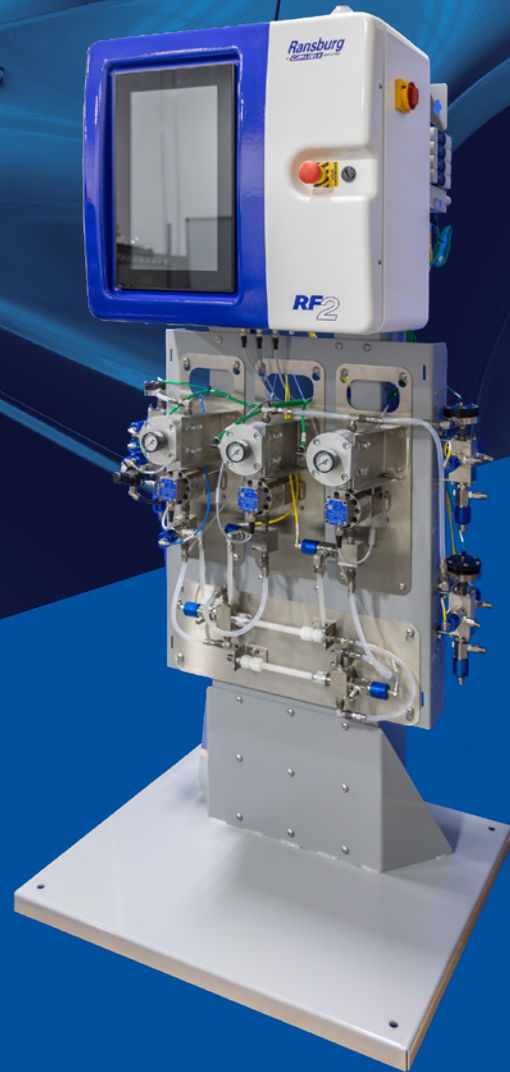


**Ransburg**  
A **CARLISLE** BRAND



# IntelliFlow RF2 Automatic

One, Two, and Three-Component  
Metering, Mixing, and Flow Control Proportioner

# IntelliFlow: The next generation of intuitive, accurate, connected proportioning solutions

Maximize productivity  
and minimize paint  
and solvent waste

## IntelliFlow products deliver advanced automation and ease of use drive efficiency, uptime, and optimization in your process.

- Large color touch screens with automated processes to reduce training time and operator error
- Cloud-based connectivity allows equipment to be monitored and troubleshoot in real-time from anywhere
- Flexible, high-performance fluid components deliver superior ratio and flow accuracy



## The IntelliFlow RM2 Automatic is designed to maximize process savings for almost any automatic applicator system, including static, reciprocator, flatline, and robot applications.

- Seamless integration with almost any new or existing process
- Capable of up to 30 colors, 6 catalysts, 3K operation
- Modular design to grow with your process

## FEATURES

### Best-in-Class Fluid Performance

- True closed-loop flow and ratio control ensures the coating is mixed and metered correctly every time
- Proven dynamic mixing reduces paint and solvent waste during color changes
- Standard air-solvent chop reduces solvent use by up to 65%
- Critical components are designed for reliability and serviceability
- Fluid configurations available to meet the needs of low and high pressure coatings including solventborne, waterborne, electrostatic, and non-electrostatic

### 15" Color Touchscreen

- User-friendly interface
- Primary operation screen streamlines information
- Customization options to suit your process
- Visible alarms include instructional fixes directly on the screen, reducing troubleshooting time
- Automated common processes increase productivity and uptime

### Seamless Connectivity and Integration

- Standard EtherNet/IP communication for seamless integration with PLC, robot, or SCADA system
- Remote operation via trigger signals, color change, flow rate, and ratio commands
- Cloud-based remote monitoring allows secure operation and diagnosis in real time
- Track and export data for process improvement and VOC reporting

## Turn-Key Configurations:

The single part number configurations below include everything necessary to get up and running

All turn-key configurations include the following:

- 15" full-color touchscreen with EtherNet/IP communication
- Solenoids for up to 12 colors, 4 catalysts
- Inlet pressure regulation
- Solvent and Air Chop valves on color stack (except 1-color configurations)
- Solvent valves on catalyst stack (except 1-catalyst configurations)
- 2 high-resolution gear flowmeters
- 2 closed-loop flow control regulators
- Flushable dynamic mix block
- Wall mounting hardware

## Custom Configurations Also Available:

For applications requiring 3K, alternative flowmeters, flow control, color stacks, or any other needs, please reach out to Carlisle Fluid Technologies or your local authorized distributor for a quote

## How to Select Your Turn-Key Configuration:

- 1 Select 1K or 2K
- 2 Select low or high pressure
- 3 Select the number of colors and catalysts. If your desired number of colors and catalysts is not listed: Order a 1-color, 1-catalyst configuration and order color stacks separately
- 4 Select material compatibility
- 5 Select additional kits and accessories



## 2K LOW PRESSURE 300 PSI (20 BAR)

# OF COLORS	# OF CATALYSTS	STANDARD MATERIALS PART #	ISOCYANATE MATERIALS PART #
1*	1*	RF2-LA2-01-01-S	RF2-LA2-01-01-C
4	1	RF2-LA2-04-01-S	RF2-LA2-04-01-C
7	2	RF2-LA2-07-02-S	RF2-LA2-07-02-C
12	4	RF2-LA2-12-04-S	RF2-LA2-12-04-C

\*Order low pressure color and catalyst stacks separately

## 2K HIGH PRESSURE 3,000 PSI (205 BAR)

# OF COLORS	# OF CATALYSTS	STANDARD MATERIALS PART #	ACID-CATALYST PART #
1*	1*	RF2-HA2-01-01-S	RF2-HA2-01-01-A

\*Order high pressure color and catalyst stacks separately

## 1K, 2 CHANNELS, LOW PRESSURE 300 PSI (20 BAR)

CHANNEL 1 COLORS	CHANNEL 2 COLORS	RF2 PART #
1*	1*	RF2-LA1-01-01-S

\*Order color and catalyst stacks separately

## RECOMMENDED ACCESSORIES

PART NUMBER	DESCRIPTION
310-2002	Floor Stand
HGB-510-R1-CO	HGB Inlet Pressure Regulator
CCV-51XX-XXX	Low Pressure Color Change Stack
240-35XX	High Pressure Color Change Stack
240-5202	Solvent Flowmeter Kit
240-5204	In-Booth Solvent Flowmeter Kit
310-8020	In-Booth Fluid Panel Kit 2 Channel Std
310-8021	In-Booth Fluid Panel Kit 3 Channel Std
310-8022	In-Booth Fluid Panel Kit 2 Channel Fiberoptic
310-8023	In-Booth Fluid Panel Kit 3 Channel Fiberoptic
310-8030	Screen Protector Kit

 [youtube.com/CarlisleFluidTechnologiesGlobal](https://www.youtube.com/CarlisleFluidTechnologiesGlobal)

 @CarlisleFT

 [linkedin.com/company/carlisle-fluid-technologies](https://www.linkedin.com/company/carlisle-fluid-technologies)

## Let's start a conversation

We want to work together to help answer your application challenges. To learn more about what we can offer, visit our website at [Carlisleleft.com](https://www.carlisleleft.com) or call us today.

## TECHNICAL SPECIFICATIONS

Dimensions	32" x 28" x 69" (81 x 71 x 175 cm)
Weight	300 lbs (136 Kg)
Ambient Temperature	32-122 F (0-50 C)
Ambient Humidity	5%-85%
Power Requirements	100-240 VAC 50/60 Hz, single phase 2.8/1.4 amps
Sound Pressure	less than 70 dB
Sound Power	less than 85 dB
Working Air Pressure	75-105 psi (5 bar-7 bar)
Air Filtration Requirement	5 micron
Fluid Compatibility	Solventborne, waterborne, electrostatic, polyurethane, epoxy, isocyanate, acid-catalyst
Wetted Parts	Stainless steel, PTFE, perfluoro elastomer, UHMW, polyethylene
Resin Flowrate	10-3,500 cc/min
Hardener/Catalyst Flowrate	10-3,500 cc/min
3rd Component Flowrate	10-3,500 cc/min
Flowrate Accuracy	+/- 1%
Fluid Viscosity	10 to 3,000 cPs
Fluid Pressure	300 psi or 3,000 psi (20 bar or 205 bar)
Fluid Temperature	32-140 F (0-60 C)
Fluid Filtration Requirement	100 mesh minimum
Ratio Range	1:1 to 50:1
Ratio Accuracy	+/- 1%
Trigger Response	150 ms
Max Number of Colors	30
Max Number of Hardeners/Catalysts	6
Max Number of 3rd Component	4
Max Number of Fluid Channels	4
Max Number of Recipes	250
Connectivity	Ethernet/IP standard ProfiNet, DeviceNet, CC-Link, EtherCAT available
Hazardous Area Rating	Class 1, Division 1, Group D, Temp T6 Zone 1, Group 2A, Temp T6 Ex II2G ib IIA T6
Intrinsically Safe Option	Yes



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