

# Binks



## IntelliFlow RF2+

Multi-Component Metering, Mixing  
and Flow Control Proportioner

# IntelliFlow RF2

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

**The IntelliFlow RF2+ is designed to maximize process savings for almost any automatic and manual applicator system, including static, reciprocator, flatline, and robot applications.**

- Seamless integration with almost any new or existing process
- Capable of up to 100 colors and catalysts, 1K, 2K and 3K operation
- Modular and scalable design to grow with your process



## Features:



### Best-in-Class Fluid Performance

- Closed-loop flow<sup>1</sup> 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<sup>2</sup> reduces solvent use by up to 65%
- Critical components are designed for reliability and serviceability
- Fluid panel configurations available to meet a wide range of application needs, including low and medium pressures, solventborne and waterborne coatings, and can be used for with both electrostatic and non-electrostatic applicators.



### 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

- Optional communications modules enable direct integration with PLCs, robots, or SCADA systems
- Remote operation via trigger signals for 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



### Custom configurations are also available

For applications requiring 3K, alternative flowmeters, color stacks, or any other needs, reach out to Binks directly, or your local authorized Binks distributor for a quote.

<sup>1</sup> RF2+ Automatic configurations ONLY

<sup>2</sup> Low pressure configurations ONLY



# RF2+ Manual: Ideal for Hand Spray Applications

## Turn-Key Configurations:

Preconfigured packages 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
- 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
- Pulse valve ratio control
- Dynamic mix block (flushable on low pressure configurations)
- Wall mounting hardware
- 2-gun air cutoff kit
- Manual outlet regulator

## How to Select Your Turn-Key Configuration:

- Select low or medium pressure
- Select the number of colors and catalysts
- Select additional kits and accessories

### 2K MANUAL LOW PRESSURE 250 PSI (17 BAR)

# OF COLORS	# OF CATALYSTS	PART #
1	1	RF2P-LM2-01-01-S
4	1	RF2P-LM2-04-01-S
7	2	RF2P-LM2-07-02-S
12	4	RF2P-LM2-12-04-S

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

# OF COLORS	# OF CATALYSTS	PART #
1	1	RF2P-MM2-01-01-S

# RF2+ Automatic: Versatility for Automatic or Manual Spray Applications

## Turn-Key Configurations:

Preconfigured packages 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 resin stack (low pressure ONLY)
- Solvent valve on catalyst stack
- 2 high-resolution gear flowmeters
- 2 closed-loop flow control regulators
- Flushable dynamic mix block
- Wall mounting hardware



## How to Select Your Turn-Key Configuration:

- Select low or medium pressure
- Select the number of colors and catalysts
- Select additional kits and accessories

### 2K AUTO LOW PRESSURE 250 PSI (17 BAR)

# OF COLORS	# OF CATALYSTS	STANDARD MATERIALS PART #	ISOCYANATE MATERIALS PART #
1	1	RF2P-LA2-01-01-S	RF2P-LA2-01-01-C
4	1	RF2P-LA2-04-01-S	RF2P-LA2-04-01-C
7	2	RF2P-LA2-07-02-S	RF2P-LA2-07-02-C
12	4	RF2P-LA2-12-04-S	RF2P-LA2-12-04-C

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

# OF COLORS	# OF CATALYSTS	STANDARD MATERIALS PART #
1	1	RF2P-MA2-01-01-S

## 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	Medium 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
240-5203	Remote Color Change Kit 7 Recipe
310-5203	Remote Color Change Kit 14 Recipe
310-3905-SS	Air Cutoff Kit, 2 Guns
HGB-609-9-R38	Manual Regulator, LP
84-420	Manual Regulator, HP
240-5205-1	Gun Flush Box Kit, 1 Gun
240-5205-2	Gun Flush Box Kit, 2 Gun
310-4143	Gateway, Profinet
310-4144	Gateway, DeviceNet
310-4145	Gateway, CC-Link
310-4146	Gateway, EtherCAT
310-4164	Gateway, Modbus TCP

## Technical Specifications

<b>Dimensions</b>	32" x 28" x 69" (81 x 71 x 175 cm)
<b>Weight</b>	300 lbs (136 Kg)
<b>Ambient Temperature</b>	40-122 F (0-50 C)
<b>Ambient Humidity</b>	5%-85%
<b>Power Requirements</b>	100-240 VAC 50/60 Hz, single phase 2.8/1.4 amps
<b>Sound Pressure</b>	less than 70 dB
<b>Sound Power</b>	less than 85 dB
<b>Working Air Pressure</b>	75-105 psi (5 bar-7 bar)
<b>Air Filtration Requirement</b>	5 micron
<b>Fluid Compatibility</b>	Solventborne, waterborne, electrostatic, polyurethane, epoxy, isocyanate, acid-catalyst
<b>Wetted Parts</b>	Stainless steel, PTFE, perfluoro elastomer, UHMW, polyethylene
<b>Resin Flowrate</b>	10-3,500 cc/min
<b>Hardener/Catalyst Flowrate</b>	10-3,500 cc/min
<b>3rd Component Flowrate</b>	10-3,500 cc/min
<b>Flowrate Accuracy</b>	Down to +/- 1%
<b>Fluid Viscosity</b>	1 to 3,000 cPs <sup>1</sup>
<b>Fluid Pressure</b>	250 psi or 3,000 psi (17 bar or 205 bar)
<b>Fluid Temperature</b>	32-140 F (0-60 C)
<b>Fluid Filtration Requirement</b>	100 mesh minimum
<b>Ratio Range</b>	1:1 to 50:1 (max 100:1 w/ PD Pump <sup>2</sup> )
<b>Ratio Accuracy</b>	Down to +/- 1%
<b>Trigger Response</b>	150 ms
<b>Max Number of Colors</b>	Up to 100 <sup>3</sup>
<b>Max Number of Hardeners/Catalysts</b>	Up to 100 <sup>3</sup>
<b>Max Number of 3rd Components</b>	Up to 100 <sup>3</sup>
<b>Max Number of Fluid Channels</b>	Up to 8 supported
<b>Max Number of Recipes</b>	250
<b>Connectivity</b>	Ethernet/IP Standard Profinet, DeviceNet, CC-Link, EtherCAT, Modbus TCP optional
<b>Hazardous Area Rating</b>	Class 1, Division 1, Group D, Temp T6 Zone 1, Group 2A, Temp T6 Ex II2G ib IIA T6 (Fluid Panel ONLY)
<b>Intrinsically Safe Option</b>	Yes



- 1 Viscosities <10 cPs may require custom configuration
- 2 Optional PD pump available on custom configurations ONLY
- 3 Combined A, B and C components, with optional added solenoids



## Experience the difference.

Binks is a leading global manufacturer of products and systems for the supply, application and curing of sprayed and dispensed materials. Binks serves a variety of industries, including automotive, pharmaceuticals, food and beverage, and manufacturing. With decades of experience, Binks continues to set the standard for precision, reliability, and innovation in fluid technology solutions.

# Binks

For more information,  
visit [binks.com](https://binks.com).



### A powerful solution can start with a simple conversation

We want to help build the best solution to your application challenges. Learn more about what we can offer by reaching out to the office nearest you.

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