

# IniFlex™

## Color Change Platform

Infinite Flexibility for Industrial Finishing Automation

PROVEN QUALITY. LEADING TECHNOLOGY.



# Less Time and Waste with More Flexibility for Almost Any Application

Graco's IniFlex platform of compact color change components offers manufacturers the infinite flexibility they need to decrease color change times and reduce flushing waste.

IniFlex fits into almost any application that requires compact color change valves. This includes, but is not limited to:

- painting robots with on-arm color change capability
- reciprocators with automatic paint spray guns
- single and plural component mixing systems that control fluid pressure and/or flow

**Large visual indicator** clearly lets the user know when the valve is actuated.



## Easy to Integrate and Maintain

- Standard tools are all that's needed to set up and support any combination of Iniflex components.
- Quick connect fluid connections accelerate installation and upgrades. They also speed up maintenance and repair.
- Offset fluid connector set screws make each color change valve easy to access and service.

## Scalable

- IniFlex integrates with new and existing color change systems and proportioning equipment.
- Modularity meets big, medium or small production needs and budgets.

## Compact, Lightweight and Durable

- IniFlex components work well in tight spaces, like robot arms, without weighing them down.
- Stainless steel parts last longer and are compatible with more materials than the plastic parts found in other systems.

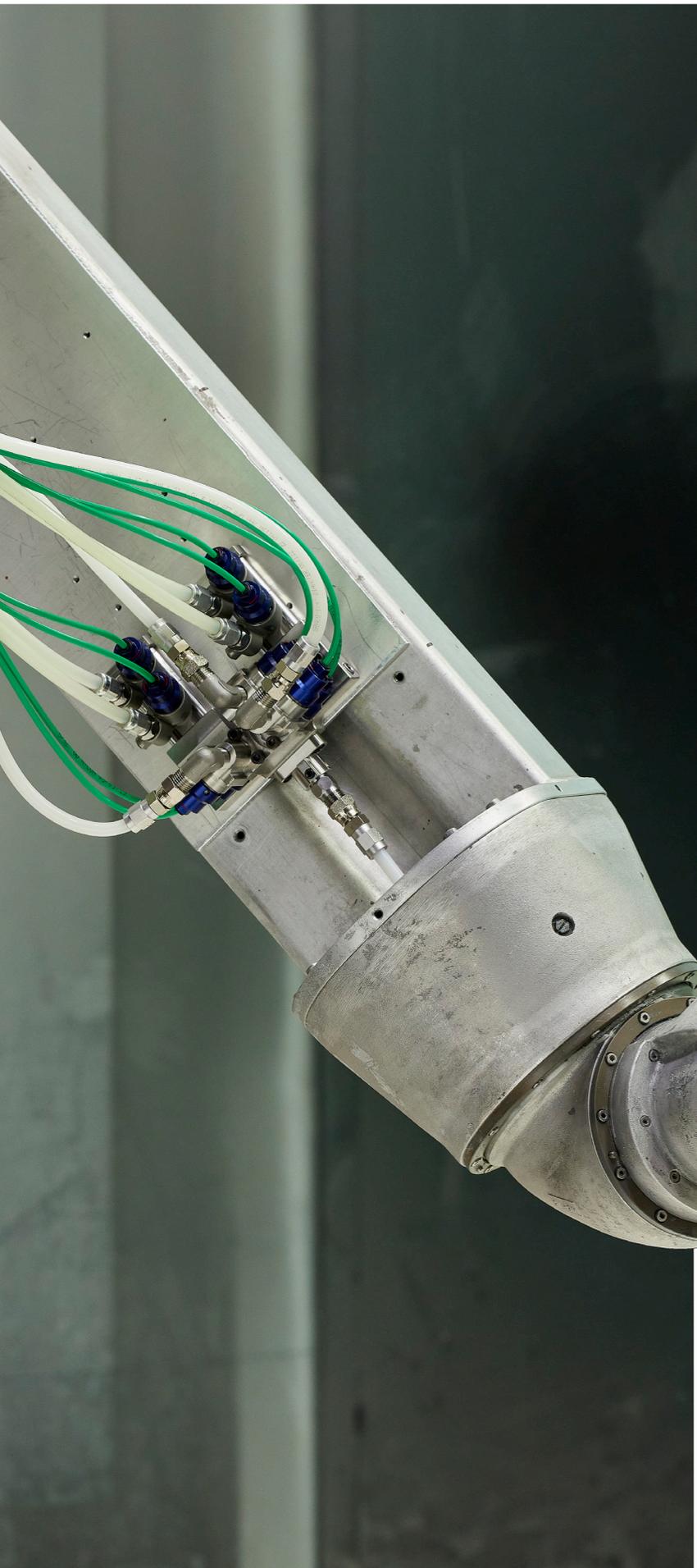


Circulation Valve



Non-Circulation Valve





# Reduce Flushing Waste and Cut Color Change Times

## Flushes Cleanly

Flushing a system in between color changes can waste time, material – and money. That's why we designed the Iniflex color change valve assembly to flush cleanly – without having to use a lot of solvent.

As fluid flows through the valve assembly, it swirls around, instead of settling in. Minimal accumulation – or dead space - means minimal solvent is needed. Decreased solvent use not only saves money, it can help save the environment.



## Mixes Material Close to Spray Gun

If you want to speed up color change times, you need to mix material closer to the point of spraying. That's why you can closely place Iniflex color change valves next to most automatic paint spray guns.

This on-arm robot assembly features the auto gun assembly. While spraying one color, you can flush out another color and have the next color ready in seconds.

# Meeting You Where You're at with Automation

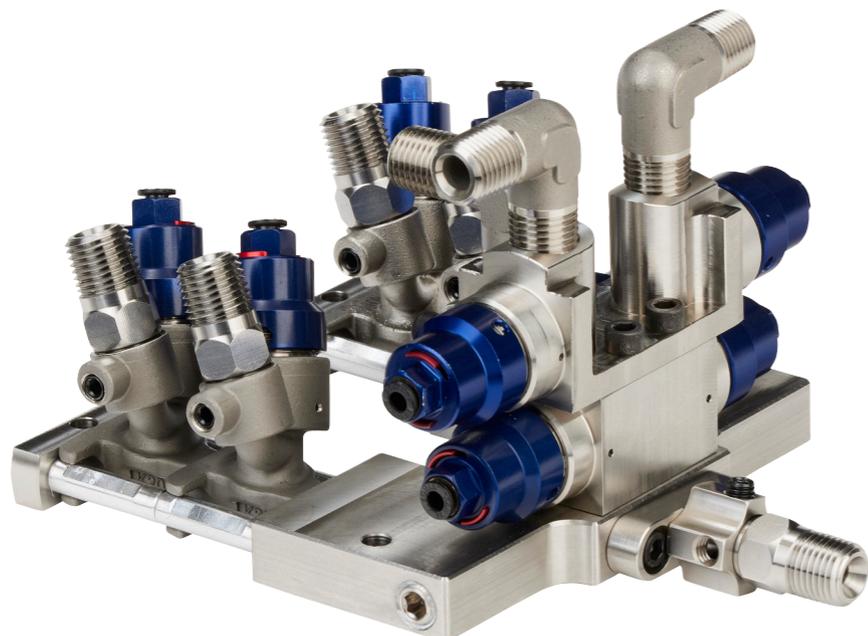
Whether you're setting up a new automated finishing system or upgrading a current installation, IniFlex makes accommodating diverse requirements and budgets more flexible than ever before. Of the infinite solutions possible, here are a few examples of how to configure Iniflex components.



For flow control with a Graco ProMix 2KS plural component mixing system, a **two-component (2K) dosing/mixing block** features a compact, low volume design.

- No material dead spots furthers fast flushing times and low waste.
- Innovative static mixer design requires less space.

For fast color changes with single component paint, a **fluid flow meter** and **pressure regulator** maintain flow rates and fluid pressure.



For even faster color applications, a **switcher block** can supply paint to an applicator, while simultaneously dumping, flushing and loading another color.

# Order All You Need or Only What You Need

With IniFlex, you can order everything you need in one assembly, or choose individual components.

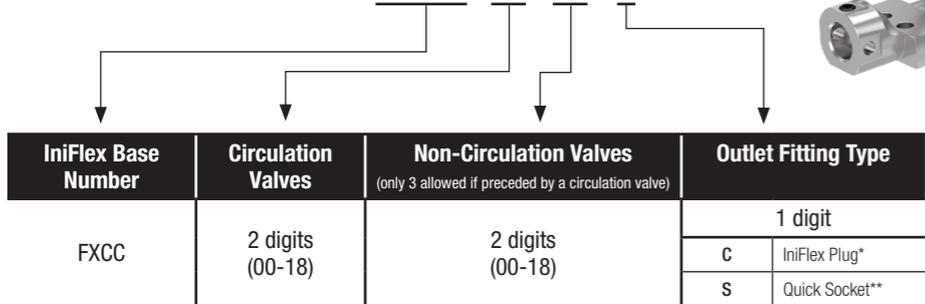
## Ordering Information

For more detailed information, reference manual [#3A8637](#)

### Color Stacks

#### Configuration Number Matrix

Sample Configuration Number: **FXCC-12-03-C**



FXCC0401S

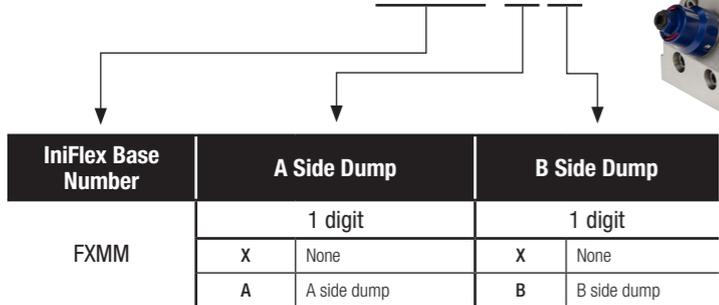
\*The IniFlex Plug (FXCCxxxxC) is a disposable shipping plug. Its removal allows connection with other IniFlex components.  
\*\*The Quick Socket (FXCCxxxxS) outlet connects with Quick Socket fittings. This allows direct connections, for example, to your proportioner system.

**FXCC0001:** Single IniFlex Non Circulation Valve Kit<sup>+</sup>  
**FXCC0100:** Single IniFlex Circulation Valve Kit<sup>+</sup>  
<sup>+</sup>Kit includes valve body and actuator, tie rods and seals.  
 Fluid fittings shown but not included, must be ordered separately.

### Dose/Mix Manifold

#### Configuration Number Matrix

Sample Configuration Number: **FXMM-A-B**

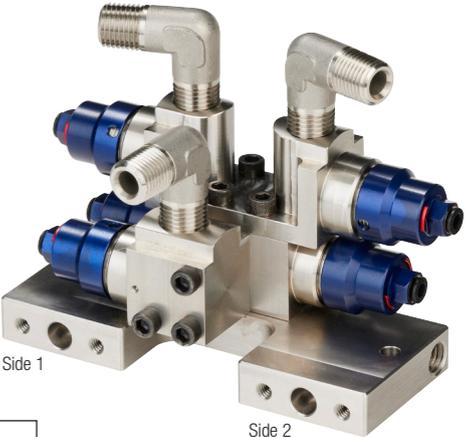
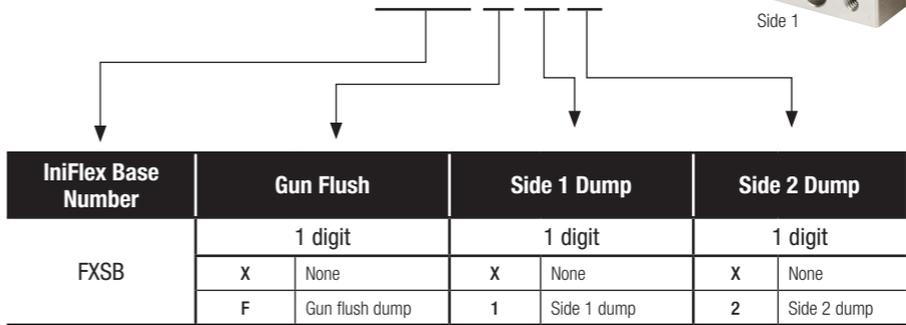


FXMMAB

### Switcher Block

#### Configuration Number Matrix

Sample Configuration Number: **FXSB-F-1-2**

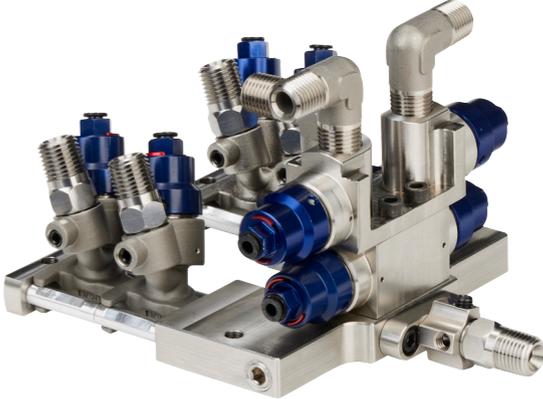


FXSBF12

### Automatic Gun

- FXAG04:** Two non-circulation valves per side
- FXAG22:** One non-circulation and one circulation valve per side
- FXAG40:** Two circulation valves per side

**NOTE:** This assembly comes pre-configured with two valves per side, for a total of only four valves; 2 x 2 circulation valves, 2 x 2 non-circulation valves or one of each per side (non-circulation for solvent supply connection followed by circulation valve for fluid on each side).



FXAG04



#### AMERICAN BUILT QUALITY —

IniFlex color change valves are designed, manufactured with globally sourced components, assembled, and factory-tested in the USA.

# Ordering Information

## Meters

### Configuration Number Matrix

Sample Configuration Number: **FX250-S-T**

IniFlex Base Number	Meter Cable		Outlet Connection	
	1 digit		1 digit	
FX250	X	None	X	None
	S	50 ft (15.2 m)	T	T & IniFlex Link
			K	IniFlex Link (x2)
			S	Quick Socket & IniFlex Link

The T connection is used primarily to connect with a color change stack (FXCC) outlet port.  
The K connection fits any IniFlex component.  
The S connection is a Quick Socket fitting that connects IniFlex components to non-IniFlex components.



FX250XX



T connection



Quick Socket



IniFlex Link

## Quick Socket Fluid Fittings

### Configuration Number Matrix

Sample Configuration Number: **FXF-B-01**

IniFlex Base Number	Fitting Style		Pack Quantity	
	1 digit		2 digits	
FXF	P	NPT	01	Qty 1
	B	BSPP	10	Qty 10
	N	Nylon Tube <sup>†</sup>	20	Qty 20
	F	FEP Tube <sup>**</sup>	50	Qty 50

Fittings come with O-ring seal(s) and cone point socket screw(s)

<sup>†</sup> FXFN Nylon Tube Quick Socket Fittings for use with nylon tubing part #061132

<sup>\*\*</sup> FXFF FEP Quick Socket Fittings for use with FEP tubing part #597350



FXFF01

FXFP01

## Regulator

### Configuration Number Matrix

Sample Configuration Number: **FXRG-1-X**

IniFlex Base Number	Regulator Ratio		Regulator Accessories		Inlet Regulator Accessories	
	1 digit		1 digit		1 digit	
FXRG	1	Ratio 1:1	X	None	[null]	Blank
	2	Ratio 2:1	T	Transducer Fitting	M	2KS Fitting <sup>***</sup>
	3	Ratio 3:1				

<sup>\*\*\*</sup>For use with FXMM Dose/Mix Manifolds



FXRG1X

For more detailed information, reference manual [#3A8637](#)

## Continually Improving Finishing Automation

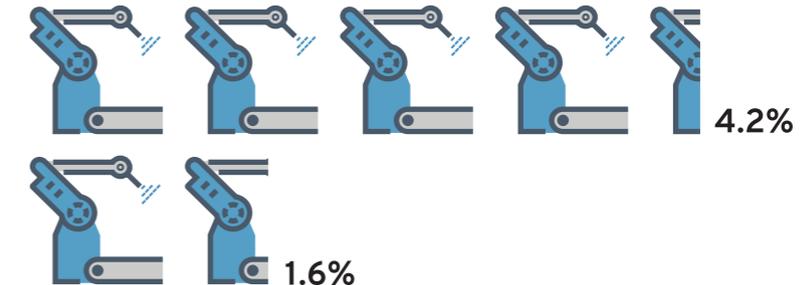
Compared to other industrial equipment makers worldwide, Graco annually invests more than double its profits into research and development. This assures continual improvement for IniFlex and other automated paint system components.

## Annual R & D Investment

Graco

vs.

Peers\*



\* Peers: ITW, CSL, DOV, CFX, IEX, NDSN, WTS, FLS, based on a 5-year average, 2015-2019.

All written and visual data contained in this document are based on the latest product information available at the time of publication. Graco reserves the right to make changes at any time without notice.

Call today for product information or to request a demonstration.  
**877.84GRACO** (1-877-844-7226) or visit us at [www.graco.com/IniFlex](http://www.graco.com/IniFlex).

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