



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.



Circulation Valve



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.

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.

Scalable

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

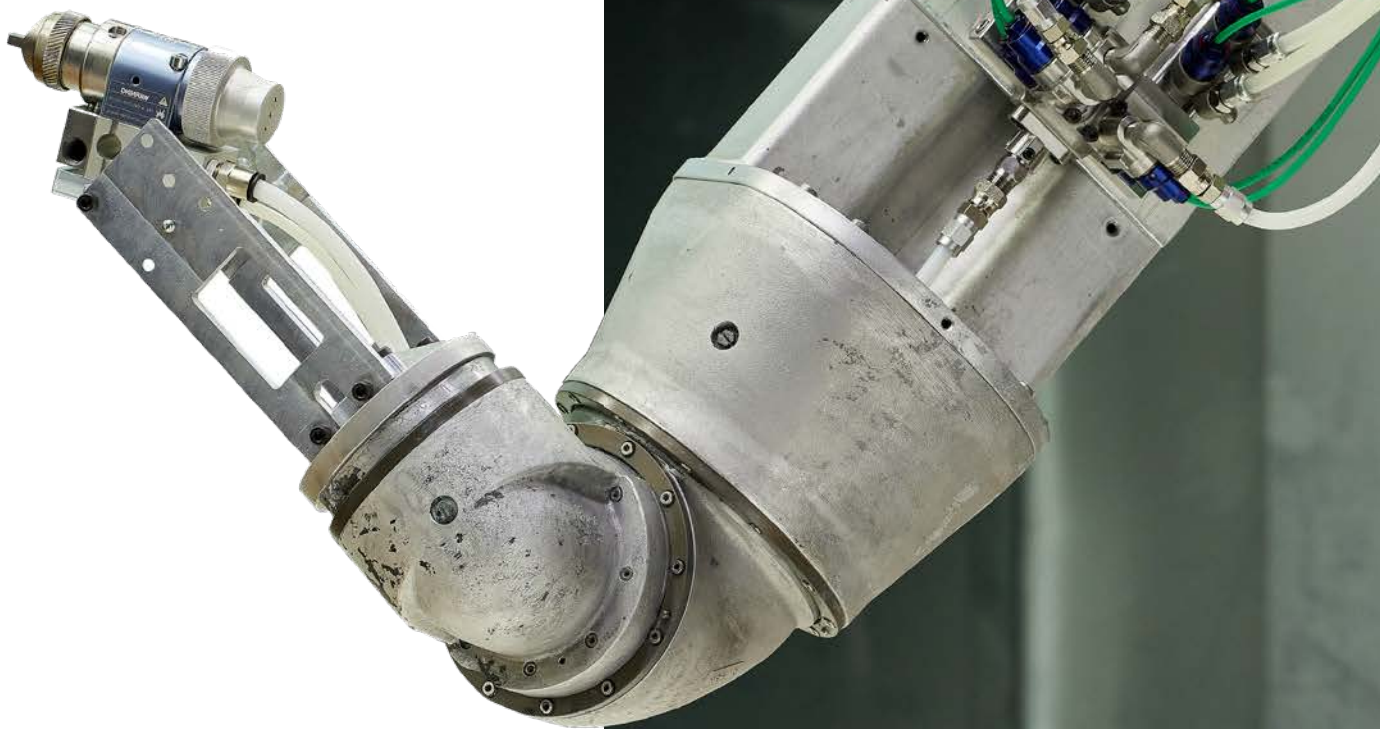
Reduce Flushing Waste and Cut Color Change Times

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.

▶ [Click here](#) to watch the video.



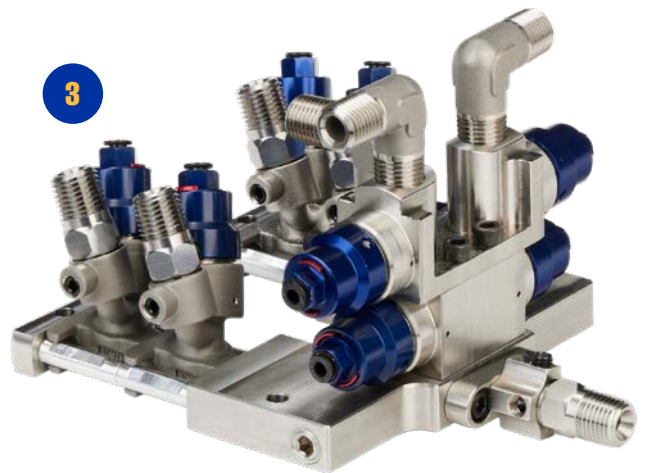
Mixes Material Close to Spray Gun

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.



1 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

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

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

Ordering Information

Order all you need or only what you need!

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

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

Color Stacks

Configuration Number Matrix.



FXCC0001: Single IniFlex Non Circulation Valve Kit*

Sample Configuration Number:

FXCC-12-03-C

| IniFlex Base Number | Circulation Valves | Non-Circulation Valves | Outlet Fitting Type |
|---------------------|--------------------|------------------------|-------------------------------------|
| FXCC | 2 digits | 2 digits | 1 character |
| | 00-18 | 00-18 | C IniFlex Plug* S Quick Socket** |



FXCC0100: Single IniFlex Circulation Valve Kit*

*The IniFlex Plug (FXCCxxxC) is a disposable shipping plug. Its removal allows connection with other IniFlex components.

**The Quick Socket (FXCCxxxS) outlet connects with Quick Socket fittings. This allows direct connections, for example, to your proportioner system.

*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

| IniFlex Base Number | A Side Dump | B Side Dump |
|---------------------|-------------|-------------|
| FXMM | 1 character | 1 character |

| | | | |
|---|-------------|---|-------------|
| X | None | X | None |
| A | A side dump | B | B side dump |

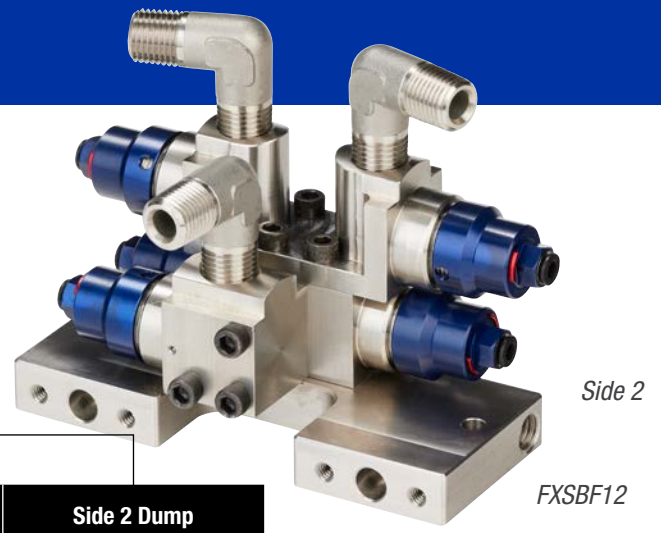
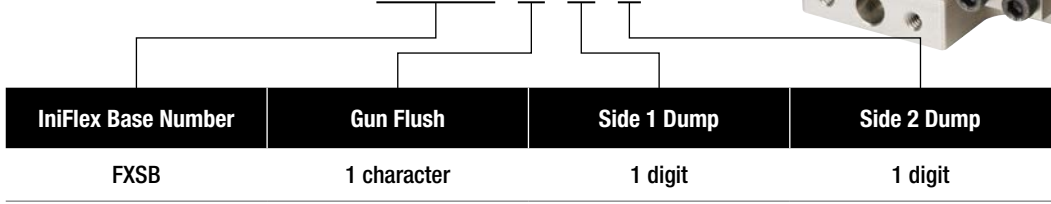


Ordering Information

Switcher Block

Configuration Number Matrix.

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



| | | |
|------------------|---------------|---------------|
| X None | X None | X None |
| F Gun flush dump | 1 Side 1 dump | 2 Side 2 dump |

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).

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*



4.2%



1.6%

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



Meters

Configuration Number Matrix.

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

| IniFlex Base Number | Meter Cable | Outlet Connection |
|---------------------|-------------|-------------------|
| FX250 | 1 character | 1 character |

- | | | | |
|---|----------------|---|-----------------------------|
| X | None | X | None |
| S | 50 ft (15.2 m) | T | T & IniFlex Link |
| | | K | IniFlex Link (x2) |
| | | S | Quick Socket & IniFlex Link |



FXCC0401S

The **T connection** is used primarily to connect with a color change stack (FXCC) outlet port.

The **K connection** is a **IniFlex Link** and fits any IniFlex component.

The **S connection** is a **Quick Socket fitting** that connects IniFlex components to non-IniFlex components.

Quick Socket Fluid Fittings

Configuration Number Matrix.

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

| IniFlex Base Number | Fitting Style | Pack Quantity |
|---------------------|---------------|---------------|
| FXF | 1 character | 2 digits |

- | | | | |
|---|-------------|----|--------|
| P | NPT | 01 | Qty 1 |
| B | BSPP | 10 | Qty 10 |
| N | Nylon Tube* | 20 | Qty 20 |
| F | FEP Tube** | 50 | Qty 50 |



FXFF01



FXFP01

Fittings come with O-ring seal(s) and cone point socket screw(s)
 *FXFN Nylon Tube Quick Socket Fittings for use with nylon tubing part #061132
 **FXFF FEP Quick Socket Fittings for use with FEP tubing part #597350

Regulator

Configuration Number Matrix.

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

| IniFlex Base Number | Regulator Ratio | Regulator Accessories | Inlet Regulator Accessories |
|---------------------|-----------------|-----------------------|-----------------------------|
| FXRG | 1 digit | 1 character | 1 character |

- | | | | | |
|---|-----------|---|--------------------|------------------|
| 1 | Ratio 1:1 | X | None | blank |
| 2 | Ratio 2:1 | T | Transducer Fitting | M 2KS Fitting*** |
| 3 | Ratio 3:1 | | | |



FXRG1X

***For use with FXMM Dose/Mix Manifolds.



ABOUT GRACO

Founded in 1926, Graco is a world leader in fluid handling systems and components. Graco products move, measure, control, dispense and apply a wide range of fluids and viscous materials used in vehicle lubrication, commercial and industrial settings.

The company's success is based on its unwavering commitment to technical excellence, world-class manufacturing and unparalleled customer service. Working closely with qualified distributors, Graco offers systems, products and technology that set the quality standard in a wide range of fluid handling solutions. Graco provides equipment for spray finishing, protective coating, paint circulation, lubrication, and dispensing sealants and adhesives, along with power application equipment for the contractor industry. Graco's ongoing investment in fluid management and control will continue to provide innovative solutions to a diverse global market.

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Graco is certified ISO 9001.



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