



Plural Component Solutions

Proportioning Systems for Finishing Applications



PROVEN QUALITY. LEADING TECHNOLOGY.

Improve Performance

Take Proportioning to the Next Level of Finishing Excellence!

Stay on-ratio with Graco's full line of plural component finishing equipment, and benefit from substantial cost and material savings. Our systems deliver exceptional quality, reliability and ratio assurance.

Why Plural Component?

- Reduces waste
- Improves manufacturing processes
- Shortens drying times
- Improves adhesion and durability
- Reduces VOC's

Product Selector Guide

Graco's plural component proportioners are completely integrated, modular designs that are ready to meet the needs of your growing business. Our proportioning technology provides exceptional ratio assurance, which can help eliminate costly rework and issues caused by off-ratio conditions. Choose the product that best suits your needs from the selector below.

Feature	ProMix Easy	ProMix II	ProMix Auto	PrecisionMix II	PrecisionMix II 3K
Number of Components	2	2	2	2	3
Ratio Range	0:1 to 30:1*	1:1 to 30:1	1:1 to 30:1	0.6:1 to 30:1	0.6:1:0.6 to 20:1:1
Ratio Assurance	1 - 5%	1%	1%	1%	1%
Flow Rate Range	20 – 3800 cc/min	50 – 3800 cc/min	20 – 3800 cc/min	75 - 3800 cc/min	75 - 3800 cc/min
Number of Colors	1	6	30	12	12
Number of Catalyst	1	1	4	3	3
Number of Recipes	1	6	60	63	63
Pot Life Monitor	Yes	Yes	Yes	Yes (2 Guns)	Yes (2 Guns)
Flow Control	No	No	Yes	Yes	Yes
Flow Control Range	NA	NA	20 to 1200 cc/min	100 to 1200 cc/min	100 to 1200 cc/min
Gun Flush Box	No	1 Gun	No	2 Guns	2 Guns
Automation Integration	No	No	Yes	Yes	Yes
Reporting	Printer/Graco Shell	Printer/Graco Shell	Graco Shell	Printer/AMR	Printer/AMR
RoboMix	No	No	Yes	Yes	No

*Pump version 0.1 to 10:1

A Complete Family of Proportioners

ProMix® Easy

Easy to use single-color proportioner

Get superior ratio assurance with these air spray and air-assisted units! Easy-to-use and affordable, the ProMix Easy is an entry-level unit for single-color electronic proportioning.

ProMix® II

Automatic color change for manual applications

Flush and color change your system without ever leaving the booth! This upgrade in electronic proportioning offers an intrinsically-safe fluid panel and operator station for precise and reliable performance in multi-color applications.

ProMix® Auto

Integrated color change for automatic applications

Take your proportioning applications to the next level with fast color change and closed loop flow control. This electronic plural component proportioner offers exceptional accuracy in automatic applications.

PrecisionMix® II

Integrated color change for demanding applications

The ultimate solution for manual or automatic applications! With integrated color change and a modular design, the PrecisionMix II offers the highest level of technology and control.

PrecisionMix® II 3K

Integrated color change for three component applications

Get superior technology and control! With advanced, user-friendly technology, easy setup and standard reporting, this proportioner effectively manages three-component materials.



ProMix Easy



ProMix II



ProMix Auto



PrecisionMix II and
PrecisionMix II 3K

ProMix Easy

Simple and Flexible Proportioning at an Affordable Price!

The ProMix Easy patented mixing technology is available in both pump and meter versions for all spray technologies, and is designed for single-color, two-component, in-booth applications.

Features and Benefits:

- Designed for single-color materials including moisture sensitive ISO
- Circulation system keeps solids in suspension
- Reporting system monitors production
- Intrinsically-safe fluid panel allows for easy integration into hazardous environments
- Handles flow rates as low as 20 cc/min and ratios up to 30:1

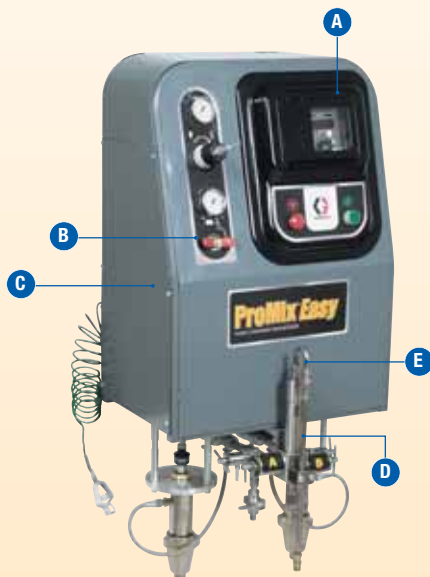
Target Markets:

- General metal
- Wood and furniture
- Farm and construction
- Truck and bus
- Aerospace



EASY-TO-USE

Easy-to-Use and Operate!

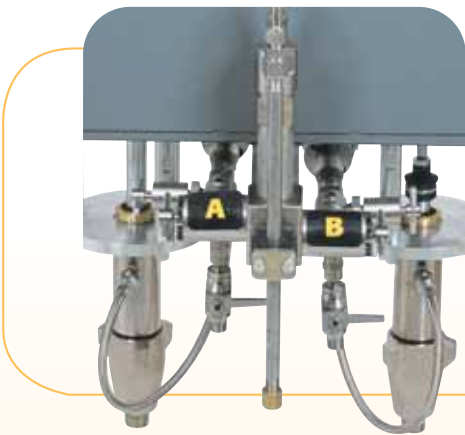
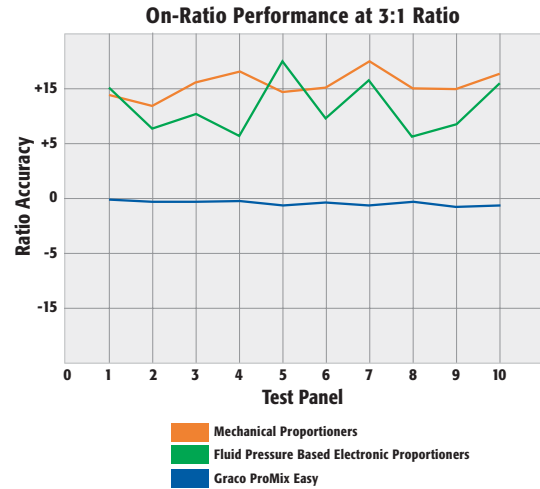


- A** Simple, user-friendly controls result in a very easy to use system
- B** Intrinsically-safe design means pumps and controls only require air to operate
- C** Offered in four pump versions for use in all spray technologies
- D** Patented mixing technology provides superior quality
- E** Shutdown and alarm features prevent spraying off-ratio

On-Ratio Performance

Automatically maintain the mixing ratio within predefined tolerance limits, down to $\pm 1\%$ with the meter version and $\pm 5\%$ with the pump version. If exceeded, the system will stop production, preventing any off-ratio material from reaching your product, virtually eliminating expensive re-work.

The ProMix Easy allows you to spray with confidence by staying on-ratio more accurately than other competitive technologies on the market.



FLUID MANIFOLD

The new ProMix Easy manifold design offers a 20% reduction in solvent flushing vs. standard integrator mixing systems. Valves have been redesigned for quicker response and improved efficiency. The flexible manifold design allows you to run single or multiple pumps and meters.

Choose from Graco's Complete Line of ProMix Easy Proportioners



PROMIX EASY
Meter-Based System



PROMIX EASY
Air Spray 2.5:1



PROMIX EASY
Air-Assist 24:1 and 34:1
or Airless 47:1

ProMix II

Color Changes Made Easy!

The ProMix II is ideal for mixing most two-component solventborne and waterborne epoxies, polyurethanes and acid-catalyzed varnishes. This meter-based system allows you to flush and color change the system without ever leaving the booth!

Features and Benefits:

- Easy to setup and operate
- Booth control allows for single button operation
- Single- or multi-colored options for a variety of applications
- Maximum six colors, one catalyst
- Intrinsically-safe fluid panel allows for easy integration into hazardous environments
- Programmable flushing and filling sequence for exceptional cost and material savings

Target Markets:

- General metal and plastic
- Wood and furniture
- Farm and construction
- Truck and bus
- Automotive feeders

Complete Your System!

Gun Flush Box

This automated flushing system for manual spray guns reduces wasted solvent and disposal costs up to 25% by flushing only the exact amount of solvent required.



Gun Flush Box

Meters

- G3000/G3000HR Flow Meters: High pressure, general purpose and high resolution options
- Coriolis Flow Meter: Designed for a wide range of flow rates and viscosities.



Coriolis
Flow Meter

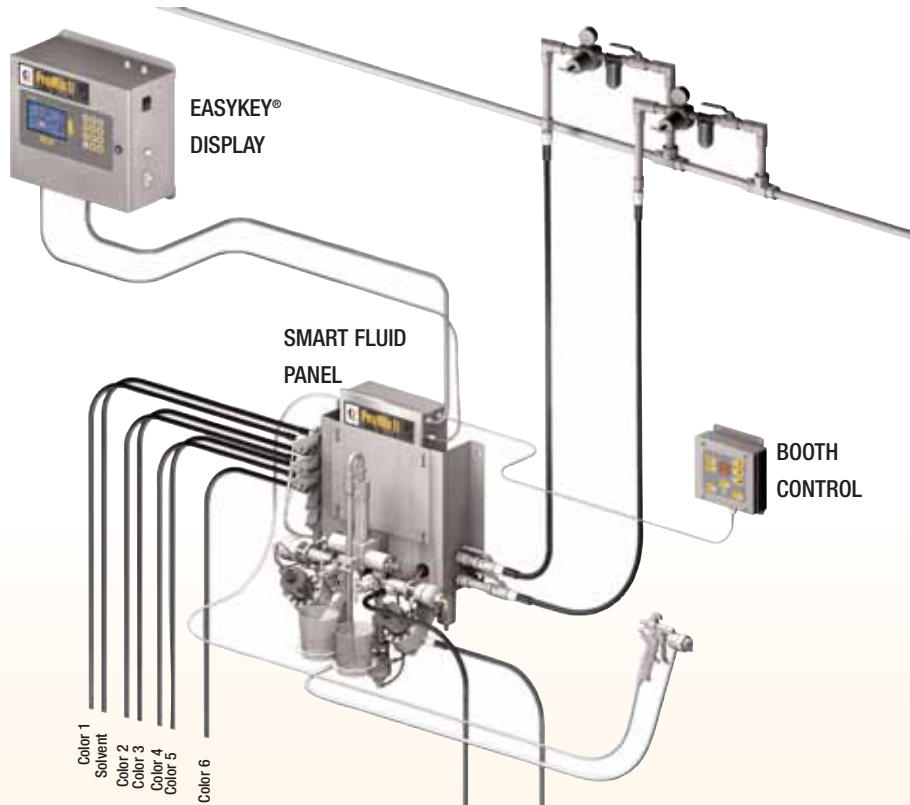


G3000 and G3000HR
Flow Meters



Simplicity in One Efficient System

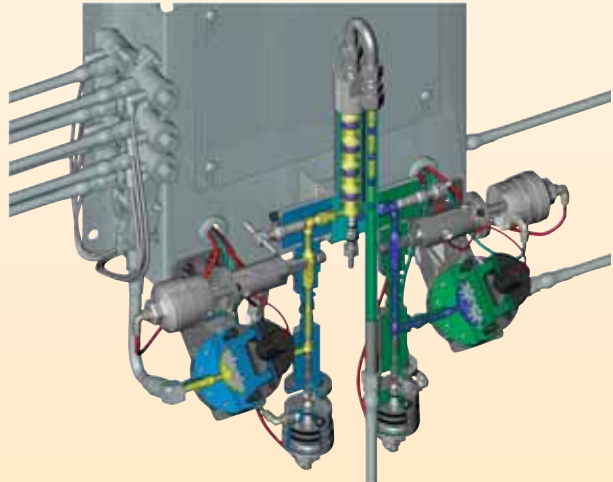
Stay on-ratio with the ProMix II electronic proportioning system and benefit from substantial cost and material savings. This meter-based system guarantees high-ratio assurance with three easy-to-use components.



FLUID MANIFOLD

Fluid Manifold

The fluid manifold offers automatic flushing of A and B components and a new valve design for quicker response and improved efficiency.



ProMix Auto

Control Costs with Automation Integration!

Designed for most two-component solvent- and waterborne epoxies, polyurethanes and acid-catalyzed materials, this patented technology offers flow control, multiple color and catalyst change options, three purge valves for waterborne materials and network communication.

Features and Benefits:

- 30 colors with single catalyst (23 max if multiple catalysts)
- Four catalysts
- Color and catalyst dump valves
- High speed color change maximizes production
- Handles flow rates as low as 20 cc/min and ratios up to 30:1
- Modbus/TCP and discrete I/O communication options

Target Markets:

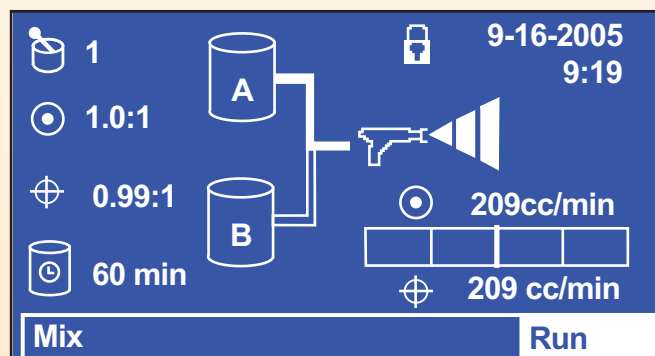
- Automotive feeders
- Automotive assemblers
- Electronics
- Sporting goods
- Wood and furniture manufacturers
- Truck, bus and farm equipment manufacturers



Run Screen

Monitor the ratio, flow rate and pot life – all on one screen!

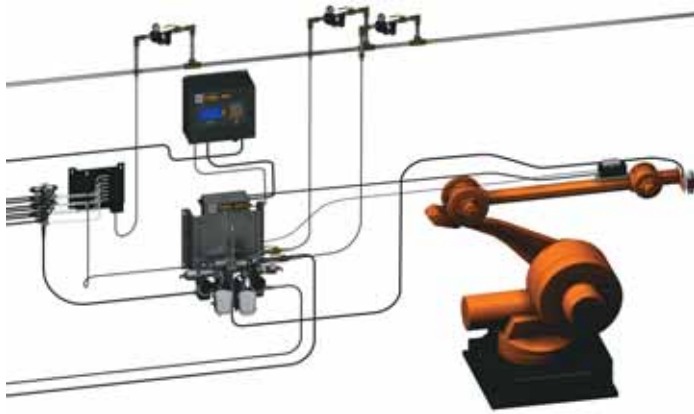
The run screen provides additional information on the status of the system, so the operator knows when a color change or system flush is occurring.



Wall Mount

The wall mount panel is intrinsically-safe and offers a variety of options to meet your application requirements.

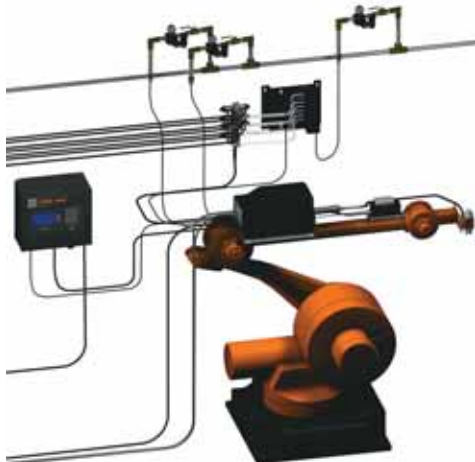
- 3000 psi
- 20 cc/min. to 3800 cc/min. flow rate
- IS with G3000 meter (Non IS with Coriolis meter)
- Flow control
- Waterborne option has three purge valves for air, water and solvent



RoboMix II

The RoboMix II fluid panel is intrinsically-safe and offers a robot arm-mounted fluid mix manifold that minimizes color change time and material waste during purges.

- 20 cc/min. to 2000 cc/min. flow rate
- Maximum of 30 colors
- Maximum of four catalysts
- Color and catalyst dump valves
- Lightweight (12 kg) panel



ProControl™

- Closed loop flow control eliminates excess material applied to the part for increased material savings
- Ability to maintain a consistent flow rate results in superior finish quality
- 200 msec response time allows for fast flow control and better process control



Color Change

CAN network allows for easy integration for adding low and high pressure color change valves.



Meter Options

- G250/G250HR Flow Meters: Low pressure, general purpose and high resolution options
- G3000/G3000HR Flow Meters: High pressure, general purpose and high resolution options
- Coriolis Flow Meter: Designed for a wide range of flow rates and viscosities.



Coriolis



G250 and G250HR

PrecisionMix II

Accurately Control the Mix Ratio of Two- or Three-Component Coatings!

The PrecisionMix II is a multi-color, high volume plural component proportioner for epoxies or polyurethanes. It accommodates up to 12 resin colors and three catalysts. The PrecisionMix II 3K accommodates up to 12 resin colors, three catalysts and one reducer.

Features and Benefits:

- Simple recipe selection makes it easy to configure and operate from a remote operator station
- Quick color changes save time and money
- Consistent on-ratio performance ensures quality finishes
- Designed for multiple gun applications

Target Markets:

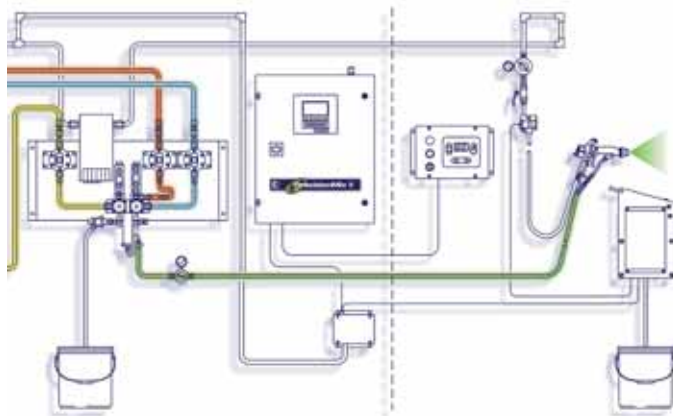
- Automotive feeders
- Automotive assemblers
- Electronics
- Sporting goods
- Wood and furniture manufacturers
- Truck, bus and farm equipment manufacturers



The Best of the Best

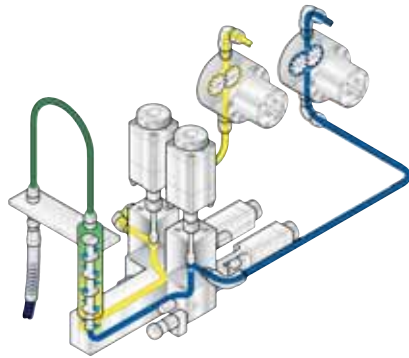
The most widely accepted plural component system!

Not only is the PrecisionMix II the benchmark for electronic proportioning, its full range of features makes it a highly versatile system.



Improve Efficiency

The fluid manifold offers automatic flushing of A and B components. The flexible manifold design means you can use virtually any meter to meet your specific application requirements.



Fluid Manifold

Get Real Time Performance Details!



Run Screen

From flow rates to usage data, the PrecisionMix II provides the information needed to improve manufacturing processes.

Gun Flush Box

This automated flushing system for manual spray guns reduces wasted solvent and disposal costs by flushing only the exact amount of solvent required.



Booth Control

Typically mounted inside the booth or near the painter, the operator station offers easy-to-use controls for color selection, printing reports, reading or clearing alarms and placing the system in Standby, Mix or Purge mode.



PrecisionMix II 3K Manifold

Effectively manage three-component materials! The PrecisionMix II 3K mixes three components at one time – allowing solvent reduction to be completed automatically.





ABOUT GRACO

PROVEN QUALITY. LEADING TECHNOLOGY.

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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