



PROMIX™ II

Easy-to-use and affordable automatic color change proportioning system



FINISHING

PROVEN QUALITY. LEADING TECHNOLOGY.

Save Money and Reduce Waste!

Upgrade to the Next Generation of ProMix Proportioners!

Flush and color change your system without ever leaving the booth! ProMix II now offers precise and reliable electronic proportioning for multi-color applications. With a new intrinsically-safe fluid panel and operator station, this upgrade guarantees on-ratio reliability and accuracy for the highest quality finish!

PRODUCT FEATURES

- Easy-to-use operator station allows operators to configure and operate with a single button
- Single- or multi-colored options for a variety of applications
- Smart technology monitors flow rate and ratio performance
- Intrinsically-safe controller allows for easy integration into hazardous environments
- Programmable flushing and filling sequence for exceptional cost and material savings
- Advanced potlife monitor with automatic dump feature

PROMIX II

KEY MATERIALS

- Urethanes
 - Solventbornes
 - Waterbornes
 - Isocyanates
 - High solids
- Epoxies
 - Solventbornes
 - Waterbornes
 - High solids
- Acid-catalyzed varnishes

KEY INDUSTRIES

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

Q: Do you believe electronic proportioners are too expensive?

The Graco ProMix II sets a new standard in affordability!

Q: Do you believe electronic proportioners are too difficult to use?

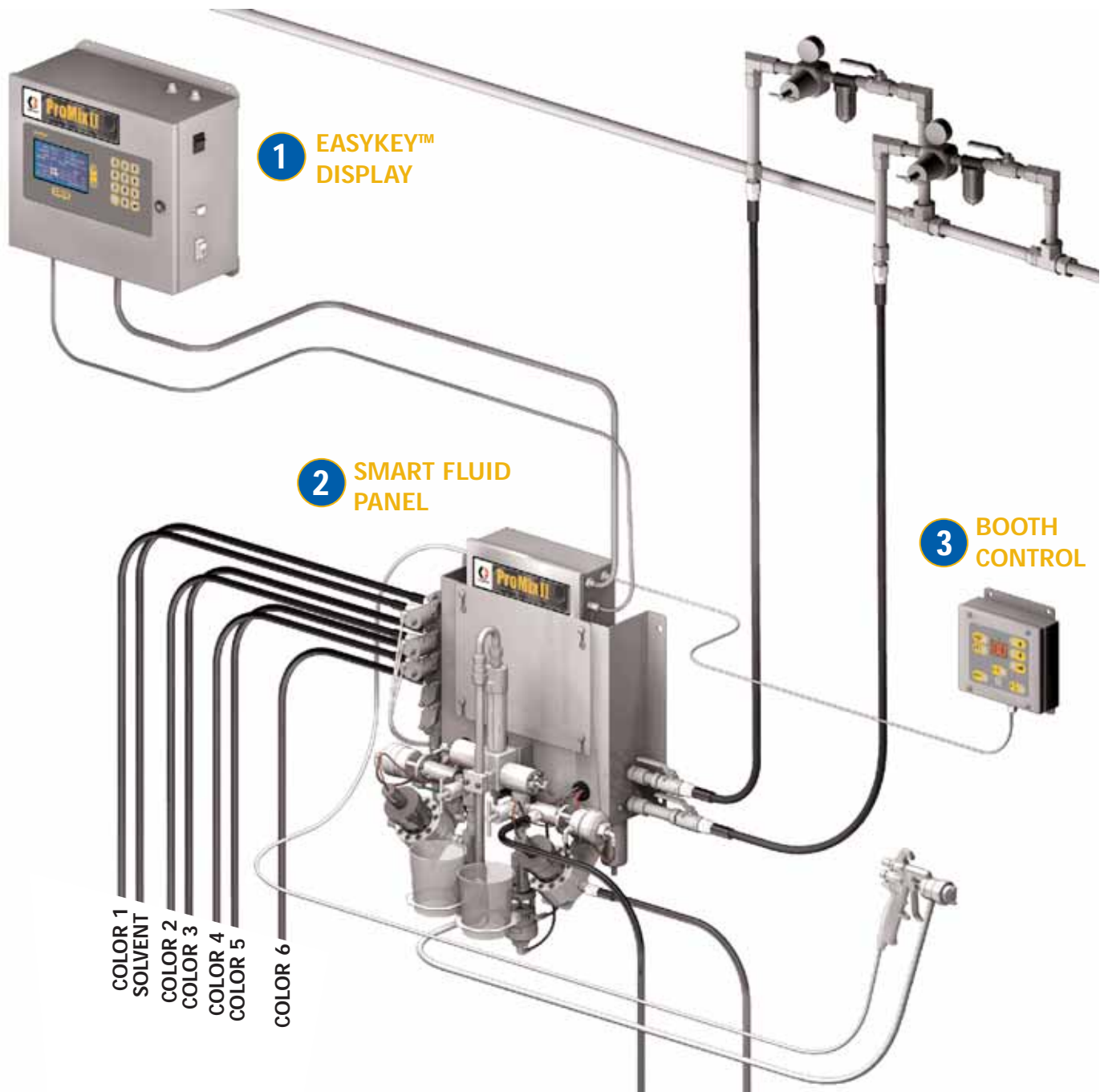
The Graco ProMix II is so easy-to-use, anyone can be trained in 15 minutes!



System Set-Up

One Efficient System

Stay on-ratio with the ProMix II electronic proportioning system and benefit from substantial cost and material savings. Perfect for mixing most two-component solventborne and waterborne epoxies, polyurethanes and acid-catalyzed varnishes, this meter-based system guarantees high ratio assurance with three easy-to-use components.



EasyKey™ Display



1

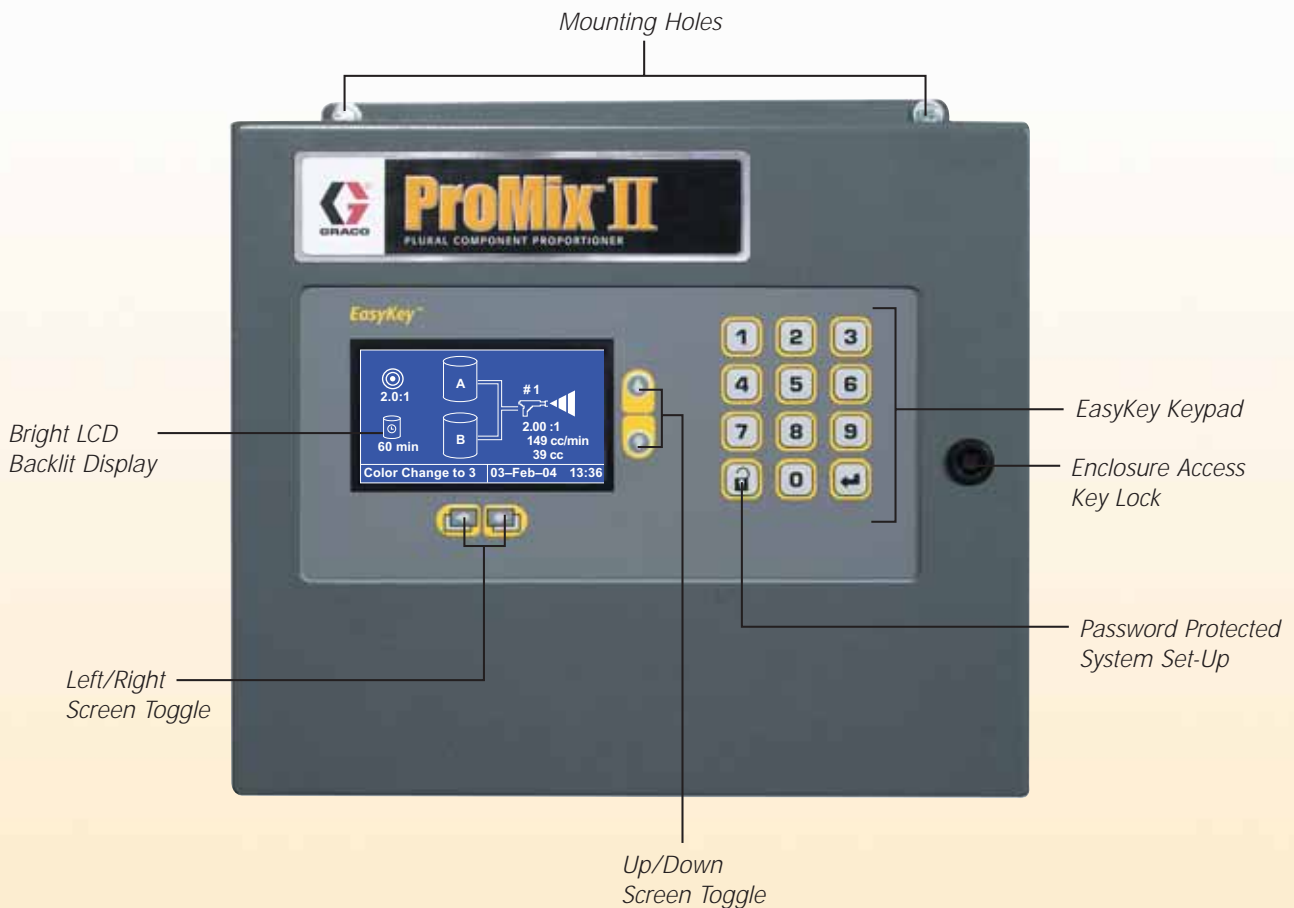


Easy to Read. Easy to Operate.

Graco's standard "EasyKey" user interface offers fast and easy navigation, multiple languages and a high degree of reliability at a low price.

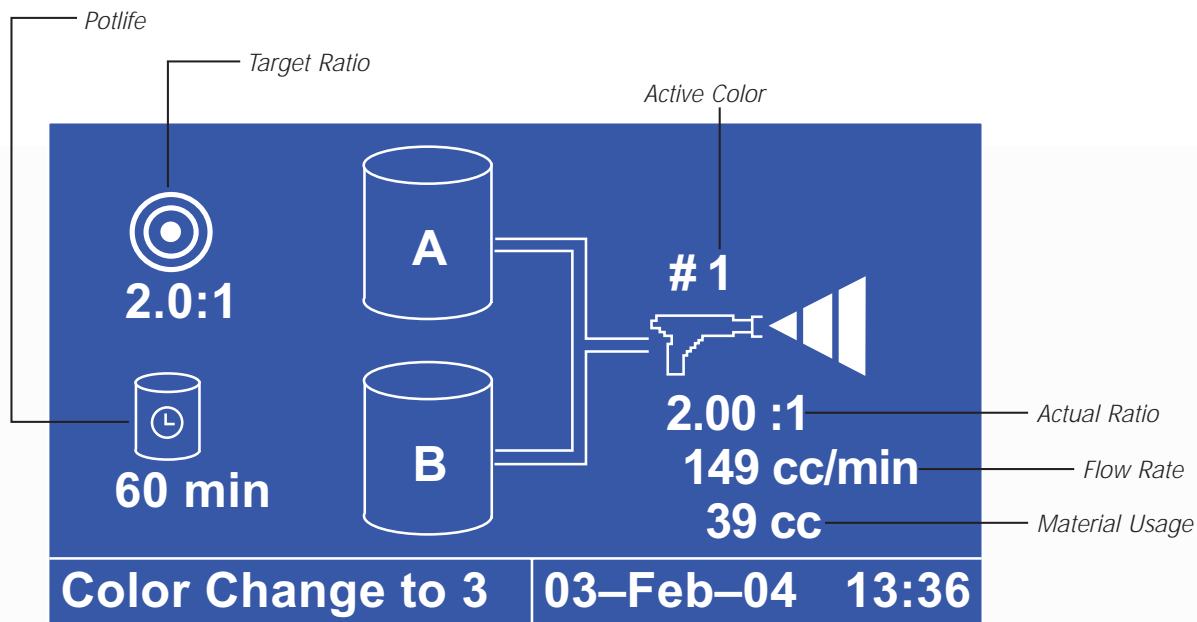
The interface has an easy-to-use bright, back-lit display with simple run and help screens, color set-up and calibration.

The Run Screen gives you important data to keep your paint line running efficiently.



Navigate Display Screens with Ease!

Simply make your selection from the EasyKey interface to get the information you need, make changes, or run reports – all with the touch of a button!



RUN SCREEN

One screen displays the operating status of the ProMix II, and provides all of the information you need to run the system.

COLOR SET-UP SCREEN

Color	#1	↓
Ratio	2.0	:1
Tolerance	5	%
Potlife Time	60	minutes
Purge Time	30	seconds
Fill Time	10	seconds
Color	Report	Calibrate Advanced

Use this mode to enter information about each of the colors available on the system and set up system purge time.

ADVANCED SCREEN 1

Language	English	↓	↑
Usage Report	No Action	↓	
Display Units	cc/Liter	↓	↑
Dose Size	25cc	↓	
Air Chop	1	seconds	
Solvent Chop	2	seconds	↓
Color	Report	Calibrate Advanced	

Select the operating language, units of measurement and flushing parameters.

ADVANCED SCREEN 2

Number of Colors	6	↓	↑
Potlife Volume	500	cc	
Gun Flush Box	On	↓	2
Autodump	Off	↓	
K-Factor A	0.121	cc/pulse	
K-Factor B	0.999	cc/pulse	↓
Color	Report	Calibrate Advanced	

Select the number of colors, define potlife and autodump options, determine meter K-Factors, and Gun Flush Box operation.

Smart Fluid Panel

The “Brains” of the System

This intrinsically-safe fluid panel and operator station reduces flush time and solvent usage by allowing for in-booth installations.

ON-RATIO PERFORMANCE

Automatically maintain the mixing ratio you set within predefined tolerance limits, down to $\pm 1\%$. If these limits are exceeded, the system automatically stops production, preventing any off-ratio material from reaching your product – virtually eliminating expensive re-work!

IMPROVES MIX QUALITY

The Smart Fluid Panel has the ability to automatically adjust mix volume for optional mix quality and a superior finish.

REDUCES WASTE

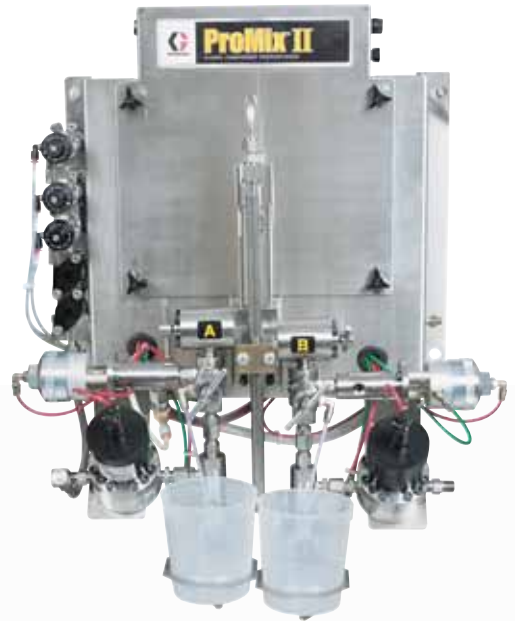
The new design of the ProMix fluid manifold offers a 20% reduction in flushing solvent vs. standard integrator mixing systems.

FEATURES

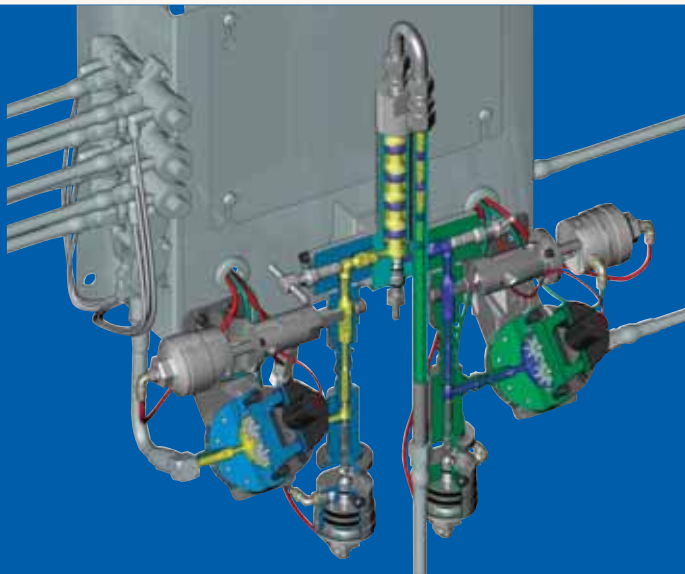
- Up to 30:1 ratio performance in 0.1 increments
- Supports up to six high or low pressure color change valves
- Supports one Gun Flush Box

2

SMART FLUID PANEL



The Smart Fluid Panel works quickly at 40 million calculations per second.



FLUID MANIFOLD

The Fluid Manifold offers automatic flushing of A and B components and redesigned valves for quicker response and improved efficiency.

The flexible manifold design means you can use virtually any meter and still meet your specific application requirements.

Operator Station

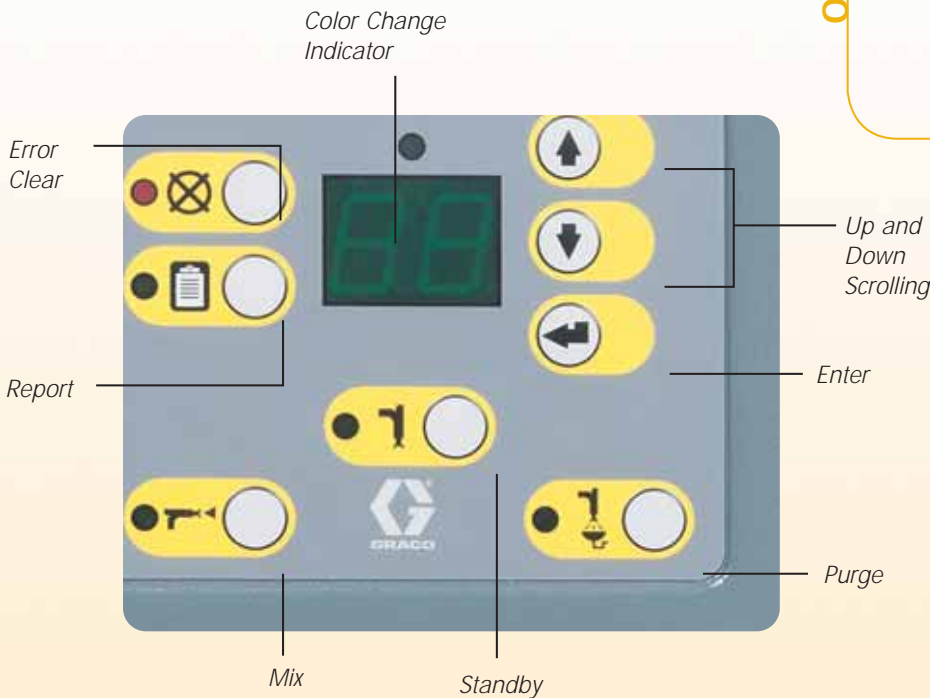


Quick, Easy and Conveniently Located

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

OPERATOR STATION

3



The operator station offers time-saving functionality – right at your fingertips.

Accessories



**G3000 AND G3000HR
FLOW METER**



CORIOLIS FLOW METER



GUN FLUSH BOX

Complete Your System!

It's easy to get precise and reliable electronic proportioning with a package centered around a ProMix II automatic color change system. Graco offers a complete selection of flow meters and accessories designed to satisfy your specific application requirements.

FLOW METERS

With three meter options to choose from, the ProMix II can be configured to perform at high or low flow rates with virtually any material.

- **G3000 Flow Meter**

Low cost, general purpose spur gear meter designed for flows of 75 cc/min to 3,000 cc/min , pressures up to 4000 psi (28 MPa, 276 bar), and viscosities of 20-3000 centipoise.

- **G3000HR Flow Meter**

High resolution, low flow version of the G3000 meter. Designed for flows of 38 cc/min to 1,500 cc/min, pressures up to 4000 psi (28 MPa, 276 bar), and viscosities of 20-3000 centipoise.

- **Coriolis Flow Meter**

Capable of a wide range of flow rates and viscosities. Designed for flow rates as low as 20 cc/min and for acid- and water-based materials.

GUN FLUSH BOX

Automated flushing system for manual spray guns. Flushes the exact amount of solvent required for reduced waste and disposal costs and improved production efficiencies. Designed to handle most materials.

- Reduces wasted solvent and disposal costs up to 25%.
- Reduces VOC emissions
- Works with most applicators

GRACO SHELL REPORTING SOFTWARE

Download detailed information regarding previously run data and alarm reports and upload custom languages for the SET-UP and RUN screens.

Return-on-Investment

Compare and Save!

For on-ratio reliability, accuracy and the highest quality finish, nothing beats the ProMix II proportioning system! With advanced user-friendly Smart Technology, an intrinsically-safe controller, programmable flushing and filling, and advanced potlife controls, this meter-based system offers substantial cost and material savings.

If you're currently hand mixing or using a mechanical proportioner, you may be spending more than you should on wasted material, extra labor and off-ratio re-work costs. The Graco ProMix II reduces these expenses and provides a quick ROI.

RETURN-ON-INVESTMENT (ROI) EXAMPLE

Use this exclusive return-on-investment tool to see how much you can save annually by choosing Graco's ProMix II compared to hand mixing or conventional mechanical proportioning methods.

	Hand Mixing	ProMix II		Your Estimate
Material Cost per Gallon				
Price per gallon of paint	\$100	\$100	A	
Price per gallon of flushing solvent	\$10	\$10	B	
Number of working days per year	250	250	C	
Labor rate per hour	\$30	\$30	D	
Material Usage				
Number of batches/color changes per day	4	4	E	
Unused paint per batch/pulse	0.5 gal	0.05 gal	F	
Solvent used per batch/pulse	1.0 gal	0.25 gal	G	
Preparation/cleanup time per batch	0.5 hour	0.05 hour	H	
Analysis				
Total annual cost of wasted paint ($A \times F \times C \times E$)	\$50,000	\$5,000	I	
Total annual cost of wasted solvent ($B \times G \times C$)	\$2,500	\$675	J	
Total annual labor cost ($H \times E \times C \times D$)	\$15,000	\$1,500	K	
Total Cost ($I + J + K$)	\$67,500	\$7,175		
Payback				
Average cost of ProMix II	–	\$18,000	L	
Total Annual ProMix II Savings	–	\$67,500 – \$7,175 = \$60,325	M	
Payback [$(L/M) \times 12 \text{ months}$]	–	3.6 Months		

GRACO ELECTRONIC PROPORTIONER FAMILY



PROMIX EASY



PROMIX II



PRECISIONMIX II AND PRECISIONMIX II 3K

Technical Specifications

Maximum fluid working pressure 4000 psi (275.6 bar, 27.5 MPa)
 Maximum working air pressure 100 psi (7 bar, 0.7 MPa)
 Air supply 75-100 psi (5.2-7 bar, 0.5-0.7 MPa)
 10 micron (minimum) filtration required
 Average air consumption (includes air supply to the gun) 16 scfm (0.45 m³/min)
 Mixing ratio range 0.1:1–30:1
 On-ratio accuracy up to +1%, user-selectable
 Fluids handled one or two component epoxy or polyurethane paints
 Viscosity range of fluid 20–5000 cps
 Fluid filtration 100 mesh minimum
 Fluid flow rate range
 G3000 Meter (intrinsically safe) 75–3000 cc/min (0.02-0.79 gal/min)
 G3000HR Meter (intrinsically safe) 38-1500 cc/min (0.01-0.40 gal/min)
 Coriolis Meter 20-3800 cc/min (0.005-1.00 gal/min)
 Operating temperature range 41–122°F (5–50°C)
 External power supply requirements 85-250 Vac, 50/60 Hz, 2 amps maximum draw
 15 amp maximum circuit breaker required
 8 to 14 AWG power supply wire gauge

Weight

Base system total (no meters color change valves or gun flush box) 66.6 lbs (30.2 kg)
 EasyKey Display 22.2 lbs (10.1 kg)
 Smart Fluid Plate (no meters) 41.3 lbs (18.7 kg)
 Operator Station 3.3 lbs (1.5 kg)
 Optional components
 G3000/G3000HR Flow Meter 6 lbs (2.7 kg) each
 Coriolis Flow Meter 33 lbs (15 kg) each
 Low pressure color change stack (6 color) 3.0 lbs (1.4 kg)
 High pressure color change stack (6 color) 11.0 lbs (5.0 kg)
 Gun flush box 22 lbs (9.6 kg)
 Wetted parts 303, 304 SST, 17-4 SST, tungsten carbide
 (with nickel binder), perfluoroelastomer; PTFE; CV75

Ordering Information



"A" Meter	"B" Meter	Color Change	Gun Flush Box
0 = No Meter	0 = No Meter	0 = No Color Change (Single Color)	0 = No
1 = G3000	1 = G3000	1 = Two Color – Low Pressure	1 = Yes
2 = G3000HR	2 = G3000HR	2 = Four Color – Low Pressure	
3 = Coriolis	3 = Coriolis	3 = Six Color – Low Pressure	
		4 = Two Color – High Pressure	
		5 = Four Color – High Pressure	
		6 = Six Color – High Pressure	

Example:

To order a ProMix II with an ordering number of **PM1131**, the following components would be included:

- ProMix II
- G3000 Meter on A Component
- G3000 Meter on B Component
- Six Color – Low Pressure
- Gun Flush Box

Note: The Gun Holder for the Gun Flush Box must be ordered separately.

Ordering Information

Color Change Add-On Kits

- 234568** 2 Colors, Low Pressure (300 psi, 21 bar, 2.1 MPa max)
- 234569** 4 Colors, Low Pressure (300 psi, 21 bar, 2.1 MPa max)
- 234570** 6 Colors, Low Pressure (300 psi, 21 bar, 2.1 MPa max)
- 243572** 2 Colors, High Pressure (3000 psi, 207 bar, 21 MPa max)
- 234573** 4 Colors, High Pressure (3000 psi, 207 bar, 21 MPa max)
- 234574** 6 Colors, High Pressure (3000 psi, 207 bar, 21 MPa max)

Used to convert a single color ProMix II to a color change unit. Contains color change valves, control solenoids and all mounting hardware.

Flow Meter Add-On Kits

- 234564** G3000 Flow Meter Kit (75-3800 cc/min)
- 234566** G3000HR Flow Meter Kit (38-1500 cc/min)
- 234563** Coriolis Flow Meter Kit (20-3800 cc/min)

Used to add a flow meter to a ProMix II unit. Contains one flow meter, cables and mounting hardware.

Gun Flush Box Add-On Kits

- 234588** ProMix II Gun Flush Box Kit
Used to add a gun flush box to a ProMix II unit. Contains gun flush box and all necessary control hardware.
- 570123** Gun Flush Box Mounting Kit

Gun Holder (Sold separately)

- 198405** Graco PRO Xs3, PRO Xs4
- 198787** Graco PRO Xs2
- 196768** Graco PRO 3500, 3500hc, 4500
- 196769** Graco Delta Spray Gun
- 196770** Graco Alpha Gun
- 196771** Graco Alpha Plus, Alpha Plus with RAC Tip
- 196767** Devilbiss JGA/MSA*

*Brand names or marks are used for identification purposes and are trademarks of their respective owners.

Printer Add-On Kit

- 234670** ProMix II Printer Kit
This printer can be used to print out individual job tickets after each dispense job is complete. Contains printer and cables to connect to the ProMix II. Order a power supply separately for your appropriate power requirements.
- 114442** Printer Power Supply (US)
- 114443** Printer Power Supply (Europe)
- 114444** Printer Power Supply (Japan)

- 514037** Printer Paper Roll
Single roll of paper for printer

Software Upgrade Kits

- 118342** Graco Shell Cable
Used to connect your ProMix II to a personal computer to upgrade software through the Graco Shell
- 234671** ProMix II Software Upgrade Kit
Contains IC chip with latest revision of software, chip extractor tool and a grounding wrist strap

- 234668** ProMix II Data Download Kit
Contains data download CD (234669) and Graco Shell Cable (118342). Used to make data downloads easier through a personal computer

- 234447** ProMix II Display Interface Replacement Kit
Includes EasyKey Membrane Switch (15D223), Graphic Display (117769), Display Circuit Board (248182), Mounting Plate (15B749) and Mounting Screws (118431)

- 118337** Backlight Repair Kit
Includes replacement backlight for graphic display (117769)

- 117818** Key, EasyKey Controller
Replacement door key for the EasyKey enclosure

- 15D979** Fuse, 0.4 Amp, Quick Acting
Replacement fuse for Power Supply/Barrier Board (248192)

- 223547** Ground Wire
Replacement 25' long wire used to connect components to ground

- 114228** Air Filter Element, 5 micron
Air filter replacement element for air filter (114124)

- 197902** EasyKey Display Paint Shield
Includes 10 disposable clear plastic shields to cover the EasyKey display and shield it from paint over spray

- 15D547** Operator Station Paint Shield
Includes 10 disposable clear plastic shields to cover the operator station and shield it from paint over spray

- 114788** Fuse, 2.0 Amp, Time Lag
Replacement fuse for Power Supply / Barrier Board (248192)

- 248429** Dispense Valve Rebuild Kit
Includes needle, seat and packings needed to rebuild Dispense Valve 287222

- 248444** Fluid Manifold Seal Replacement Kit
Includes all O-Rings used in Fluid Manifold 248251

- 245145** Ratio Check Valve Rebuild Kit
Includes ball, seat and seals needed to rebuild Ratio Check Valve 248191

- 248430** Check Valve Replacement Kit
Includes (2) check valve cartridges and seals needed to replace the check valves in Fluid Manifold 248251

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 which 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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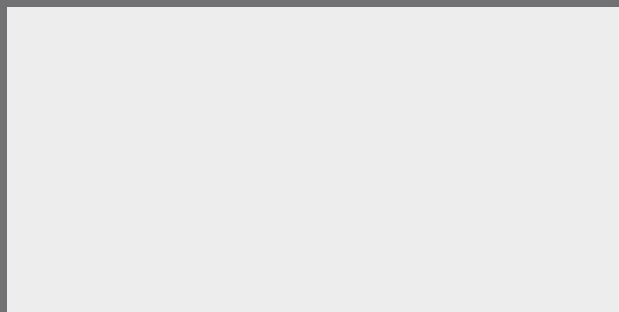
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