



# ProMix<sup>®</sup> Easy

Easy-to-use proportioning system offering exceptional ratio assurance



# Exceptional Finish Quality

## Simple and Flexible Proportioning

The ProMix® Easy offers ease-of-use combined with the on-ratio assurance you've come to expect from other Graco proportioning systems. Available in both pump and metered versions for all spray technologies, ProMix Easy is designed for single color, two component, in-booth applications.

## Features and Benefits

- Designed for most materials including moisture sensitive ISO
- Circulation system keeps solids in suspension
- Advanced reporting system monitors production
- Intrinsically-safe controller allows for easy integration into hazardous environments
- Proven patented mixing technology
- Handles flow rates as low as 20 cc/min and ratios up to 30:1



## Take Proportioning to the Next Level of Finishing Excellence

Graco's full line of plural component equipment delivers exceptional quality, reliability and ratio assurance.



## Why Plural Component?

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

## Key Materials

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

## Key Industries

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

## Easy-to-Use and Operate

Stay on-ratio with the ProMix Easy 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- or pump-based system is simply an easier way to mix!

*Intrinsically-safe design means pumps and controls only require air to operate*



*User-friendly controls make this the easiest unit to operate in the market*

*Offered in four pump versions for use in all spray technologies*

*Patented mixing technology provides superior quality*

*Shutdown and alarm features prevent spraying off-ratio*



**CONTROL**

### FIVE SIMPLE STEPS TO SET UP AND SPRAY

- 1** Turn on air supply
- 2** PRIME system
- 3** Turn selector to SPRAY
- 4** Set desired ratio
- 5** Press the green start button

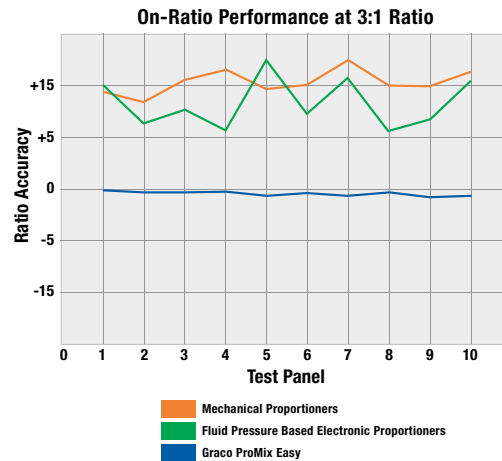
**YOU'RE READY TO SPRAY!**

# Simple and Accurate Ratio Assurance

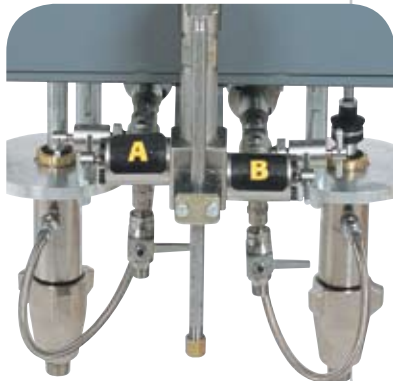
## On-Ratio Performance

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 when competitors cannot.**



## Benefit from the ProMix Easy Fluid Manifold Design



### Fluid Manifold

It 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



Meter-Based System



Air Spray 2.5:1



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

# Return-On-Investment

## Compare and Save!

With a user-friendly controller and advanced potlife controls, ProMix Easy proportioning 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 Easy 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 converting from hand mixing or conventional mechanical proportioning methods to Graco's ProMix Easy.

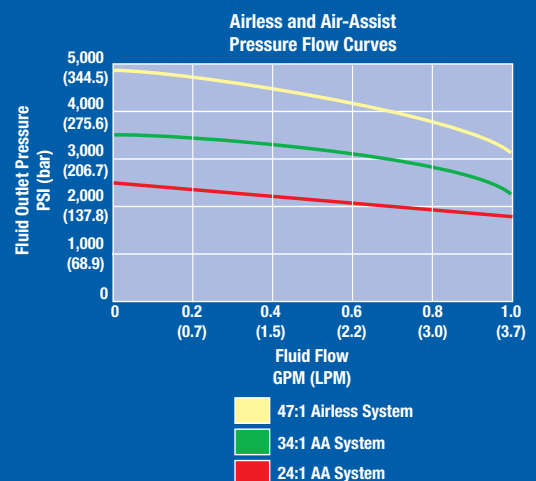
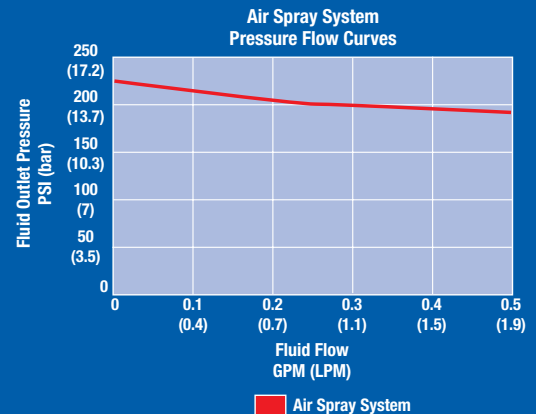
ROI Information	Current Method	ProMix Easy	Your Estimate
<b>Material Cost per Gallon</b>			
Price per gallon/liter	\$100	\$100	<b>A</b>
Price per gallon/liter of flushing solvent	\$10	\$10	<b>B</b>
Number of days per year	250	250	<b>C</b>
Labor rate per hour	\$30	\$30	<b>D</b>
<b>Material Usage</b>			
Number of batches/color changes per day	3	3	<b>E</b>
Unused paint per batch	0.5 gal	0.05 gal	<b>F</b>
Solvent used per batch	1.0 gal	0.25 gal	<b>G</b>
Preparation and cleanup time per batch	0.5 hr	0.05 hr	<b>H</b>
<b>Analysis</b>			
Total annual cost of wasted paint (A x F x C x E)	\$37,500	\$3,750	<b>I</b>
Total annual cost of wasted solvent (B x G x C)	\$2,500	\$625	<b>J</b>
Total annual labor cost (H x E x C x D)	\$11,250	\$1,125	<b>K</b>
<b>Total Cost (I + J + K)</b>	<b>\$51,250</b>	<b>\$5,500</b>	
<b>Payback</b>			
Average cost of ProMix Easy		\$10,000	<b>L</b>
<b>Total Annual ProMix Easy Savings</b>		<b>\$51,250 - \$5,500</b>	<b>M</b>
		<b>= \$45,750</b>	
Payback [(L/M) x 12 months]		2.6 months	

## Selecting Your ProMix Easy

Available in both pump and metered versions, the ProMix Easy provides precise and reliable electronic proportioning for all spray technologies. Use the pressure flow curves below to determine which ProMix Easy is right for you.

### HOW TO USE THESE CHARTS:

- Step 1:** Locate the required fluid flow along the bottom axis of the chart.
- Step 2:** Follow vertical line until it intersects with the solid curve.
- Step 3:** Follow curve to left axis to determine fluid outlet pressure.



# Technical Specifications

## Mix ratio range

For pump system .....	0.1:1-10:1 (in 0.1 increments)
For meter system .....	0.1:1-9.9:1 (in 0.1 increments)
	10:1-30:1 (in 1.0 increments)

## Ratio tolerance range

For pump system .....	up to ±5%
For meter system .....	up to ±1%

## Flow rates

Minimum .....	0.02 qt/min (0.02 liter/min)*
Maximum .....	3/4 gal/min <sup>2</sup> (2.8 liter/min <sup>2</sup> )

## Pump size

UltraMix .....	54 cc/cycle
HydraMix .....	92 cc/cycle

## Pump cycle length

UltraMix .....	6 in (152 mm)/cycle
HydraMix .....	7.6 in (193 mm)/cycle
Fluid viscosity range .....	50-20,000 cps (heavier viscosities can be mixed with use of optional heaters, heated hoses, and hardware)
Fluid filtration .....	100 mesh (149 micron) recommended

## Maximum fluid working pressure

2.5:1 .....	250 psi (1.7 MPa, 17 bar)
24:1 .....	2400 psi (16 MPa, 166 bar)
34:1 .....	3400 psi (23 MPa, 234 bar)
47:1 .....	4700 psi (32 MPa, 324 bar)
Meter-based systems .....	4000 psi (28 MPa, 280 bar)
Air supply pressure range .....	60-110 psi (413-800 kPa, 4-8 bar)
Maximum air consumption at 100 psi (0.7 MPa, 7 bar) in cfm (m <sup>3</sup> /min)	
2.5:1 UltraMix .....	10.8 scfm at 1 gpm (0.30 m <sup>3</sup> /min at 3.8 lpm)
24:1 HydraMix .....	40.5 scfm at 1 gpm (1.13 m <sup>3</sup> /min at 3.8 lpm)
34:1 HydraMix .....	54.7 scfm at 1 gpm (1.53 m <sup>3</sup> /min at 3.8 lpm)
47:1 HydraMix .....	63.0 scfm at 1 gpm (1.76 m <sup>3</sup> /min at 3.8 lpm)

## Ambient temperature range

Operating .....	32 to 104°F (0 to 40°C)
Storage .....	30 to 160°F (-1 to 71°C)
Optional 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
Environmental conditions rating .....	indoor/outdoor
Altitude .....	up to 4000 meters
Maximum relative humidity .....	99% up to 40°C
Pollution degree .....	(1)
Installation category .....	(2)
Sound pressure .....	98 dBA at 100 psi (0.7 MPa, 7 bar)

## Wetted parts

Pumps .....	carbon steel, alloy steel, 303, 440 & 17-4PH grades stainless steel, zinc and nickel plating, ductile iron, tungsten carbide, PTFE, leather
Dispense Valves .....	carbon steel, zinc plating, carbide, polyethylene, leather
Manifold .....	carbon steel, zinc plating, carbide, 302 stainless steel
Mixer .....	stainless steel
PC Communications .....	RS-232

\* Minimum flow rate is dependent on the material being sprayed and mixing capability.  
 Test your material for specific flow rate.