



ProMix[®] Easy

Easy-to-use proportioning system offering exceptional ratio assurance



PROVEN QUALITY. LEADING TECHNOLOGY.

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

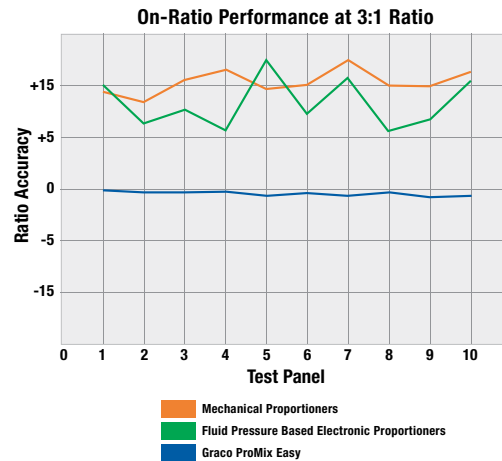
YOU'RE READY TO SPRAY!

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.

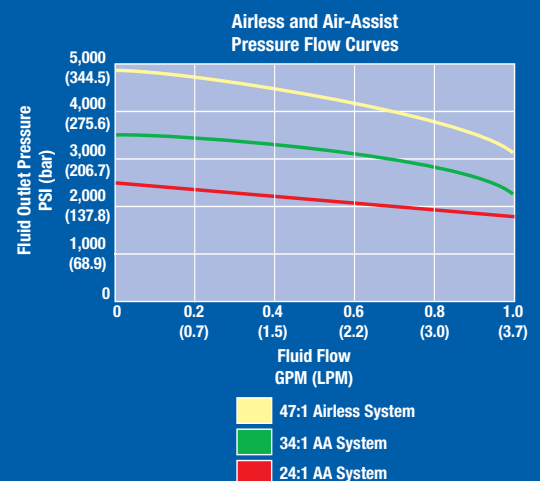
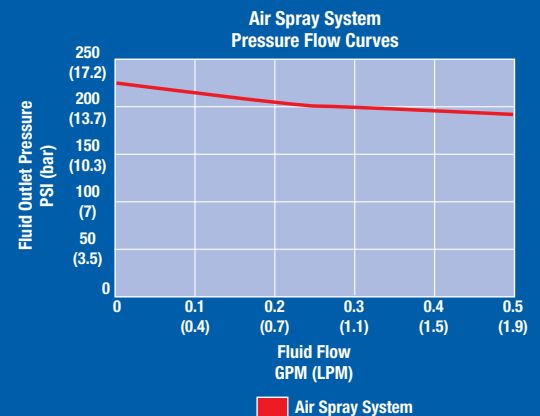
ROI Information	Current Method	ProMix Easy	Your Estimate
Material Cost per Gallon			
Price per gallon/liter	\$100	\$100	A
Price per gallon/liter of flushing solvent	\$10	\$10	B
Number of days per year	250	250	C
Labor rate per hour	\$30	\$30	D
Material Usage			
Number of batches/color changes per day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

Flow rates

Minimum	0.02 qt/min (0.02 liter/min)*
Maximum	3/4 gal/min ² (2.8 liter/min ²)

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 ³ /min)	
2.5:1 UltraMix	10.8 scfm at 1 gpm (0.30 m ³ /min at 3.8 lpm)
24:1 HydraMix	40.5 scfm at 1 gpm (1.13 m ³ /min at 3.8 lpm)
34:1 HydraMix	54.7 scfm at 1 gpm (1.53 m ³ /min at 3.8 lpm)
47:1 HydraMix	63.0 scfm at 1 gpm (1.76 m ³ /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.

Ordering Information

Proportioners Used in Air Spray Applications Approved for Hazardous Locations

234596	Cart Mount, UltraMix™ Carbon Steel Pumps, 25 ft Hose and Delta HVLP Air Spray Gun, 250 psi (17 bar, 1.7 MPa)
234618	Wall Mount, G3000 Meter, Carbon Steel Mix Manifold 4000 psi (275 bar, 27.5 bar)
234619	Wall Mount, G3000 Meter, Stainless Steel Mix Manifold 4000 psi (275 bar, 27.5 bar)
234599	Wall Mount, UltraMix Carbon Steel Pumps 250 psi (17 bar, 1.7 MPa)
234601	Wall Mount, UltraMix Stainless Steel Pumps 250 psi (17 bar, 1.7 MPa)
234597	Wall Mount, UltraMix Carbon Steel Pump/G3000 Meter 250 psi (17 bar, 1.7 MPa)
234598	Wall Mount, UltraMix Stainless Steel Pump/G3000 Meter 250 psi (17 bar, 1.7 MPa)

Proportioners Used in Air Assist Applications Approved for Hazardous Locations

234606	Wall Mount, HydraMix 500 Carbon Steel Pumps 2400 psi (165 bar, 16.5 MPa)
234608	Wall Mount, HydraMix 500 Stainless Steel Pumps 2400 psi (165 bar, 16.5 MPa)
234603	Wall Mount, HydraMix 500 Stainless Steel Pump/G3000 Meter 2400 psi (165 bar, 16.5 MPa)
234602	Wall Mount, HydraMix™ 500 Carbon Steel Pump/G3000 Meter 2400 psi (165 bar, 16.5 MPa)
234609	Wall Mount, HydraMix 600 Carbon Steel Pumps 3400 psi (234 bar, 23 MPa)
234611	Wall Mount, HydraMix 600 Stainless Steel Pumps 3400 psi (234 bar, 23 MPa)
234604	Wall Mount, HydraMix 600 Carbon Steel Pump/G3000 Meter 3400 psi (234 bar, 23 MPa)
234605	Wall Mount, HydraMix 600 Stainless Steel Pump/G3000 Meter 3400 psi (234 bar, 23 MPa)
234618	Wall Mount, G3000 Meter, Carbon Steel Mix Manifold 4000 (275 bar, 27.5 MPa)
234619	Wall Mount, G3000 Meter, Stainless Steel Mix Manifold 4000 (275 bar, 27.5 MPa)

Proportioners Used in Airless Applications Approved for Hazardous Locations

234612	Wall Mount, HydraMix 700 Carbon Steel Pumps 4700 (324 bar, 32 MPa)
234613	Wall Mount, HydraMix 700 Stainless Steel Pumps 4700 (324 bar, 32 MPa)

Approved for Non-Hazardous Location

234600	Wall Mount, UltraMix Carbon Steel Pumps 250 psi (17 bar, 1.7 MPa)
234825	Wall Mount, UltraMix Stainless Steel Pumps 250 psi (17 bar, 1.7 MPa)
234607	Wall Mount, HydraMix 500 Carbon Steel Pumps 2400 psi (165 bar, 16.5 MPa)
234826	Wall Mount, HydraMix 500 Stainless Steel Pumps 2400 psi (165 bar, 16.5 MPa)
234610	Wall Mount, HydraMix 600 Carbon Steel Pumps 3400 psi (234 bar, 23 MPa)
234827	Wall Mount, HydraMix 600 Stainless Steel Pumps 3400 psi (234 bar, 23 MPa)

Key System Components

207484	Siphon Hose Assembly for UltraMix and HydraMix Pumps
158555	1 inch to 3/4 inch Reducing Nipple
158383	1 inch Union Swivel
248587	Gun Air Regulator Kit, Meter Air Spray System
248588	Gun Air Regulator Kit, Pump Air Spray System
214706	Spring Operator Stainless Steel Fluid Regulator with Gauge
222121	Spring Operator Stainless Steel Fluid Regulator
238782	Stainless Steel Fluid Filter
248652	Circulation Kit, Stainless Steel, Solenoid and Tubing for A or B pump
248400	Stand Kit
248401	Caster Kit
248403	Reporting Kit IS Software and cable
248404	Reporting Kit Non IS Software and cable
248224	2.5 Gal ISO Supply Kit, Sealant
248225	5 Gal ISO Supply Kit Sealant
248432	Pressure Feed Kit for ISO Supply Hose
248427	TSL Pump Kit Hydramix
248583	TSL Pump Kit Ultramix
248398	Non IS-AC Power Supply Kit
234026	Gun Manifold for two guns

Repair Kit

223688	Turbine Bearing Repair Kit
248397	Remote Manifold Kit
248444	Stainless Steel Fluid Manifold O-Ring Kit
248445	Carbon Steel Fluid Manifold O-Ring Kit
245145	O-Ring Repair Kit
248429	Dose Valve Repair Kit
248431	Integrator Packings Kit
248430	Fluid Manifold Repair Kit
118822	Static Mixer (two elements required)
248441	Tuff Stack Packings for HydraMix 500, 600 and 700 Pumps
248442	Tuff Stack Repair Kit for HydraMix 500, 600 and 700 Pumps
248437	UltraMix Packing Kit
248438	HydraMix Packing Kit
248570	UltraMix Carbon Steel Pump Kit with Sensor
248571	UltraMix Stainless Steel Pump Kit with Sensor
248572	HydraMix 500 Carbon Steel Pump Kit with Sensor
248573	HydraMix 500 Stainless Steel Pump Kit with Sensor
248574	HydraMix 600 Carbon Steel Pump Kit with Sensor
248575	HydraMix 600 Stainless Steel Pump Kit with Sensor
248576	HydraMix 700 Carbon Steel Pump Kit with Sensor
248577	HydraMix 700 Stainless Steel Pump Kit with Sensor



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.

GRACO LOCATIONS

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