



# ProMix<sup>®</sup> PD2K

Positive Displacement Proportioning System



PROVEN QUALITY. LEADING TECHNOLOGY.



We took the **efficiency of an electronic proportioner** to a new level of savings with our ProMix PD2K!

By moving the mixing point closer to the gun, the ProMix PD2K can **reduce solvent use and mixed material waste by up to 80%** compared to traditional electronic proportioners.

This means lower disposal costs of hazardous waste materials and less wasted paint – especially when you have multiple daily color changes or short pot life materials.

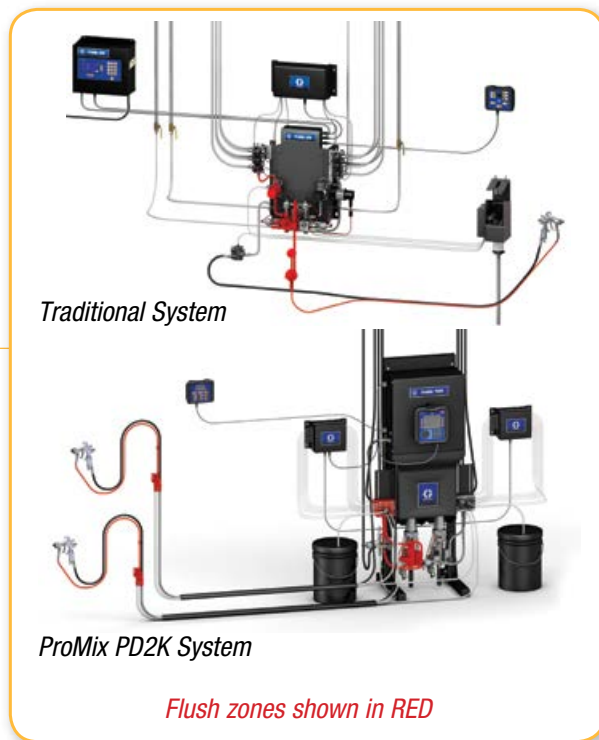
# Reduce Solvent and Material Waste by up to 80%

The ProMix PD2K saves you time and money by not only making your job easier, but by reducing material waste. It's efficient, convenient and gives you a smooth, consistent spray for your most challenging applications.

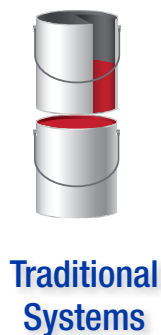
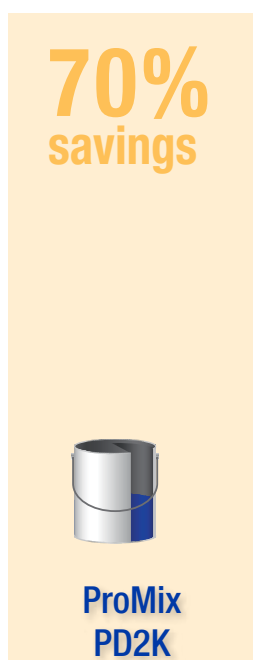
## Savings Comparison

See the savings stack up when you compare the ProMix PD2K to traditional systems.

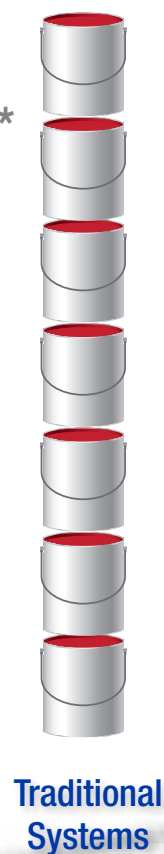
- Up to 80% reduction in flushing waste over the most efficient traditional proportioning systems
- Limited mixed material in system - great for short pot life materials
- Faster color changes and less material to flush mean less waste and less downtime



### Daily Paint Usage\*



### Daily Solvent Usage\*



\*Savings based on 7 color changes per day and hose length of 50 ft x 1/4 in diameter

# Increase Efficiency and Performance



Graco's unique ProMix PD2K dosing piston pumps *Stall Under Pressure* and use *100% Positive Displacement Technology* so you always get accurate mix ratios and consistent performance – every time you spray!

## Electronic Fluid Management Display

### Reduce Overspray and Paint Waste

- Set and maintain optimal spray pressures
- Save paint by keeping spray guns running at peak efficiency

### Get Real Time Data

- Easily manage ratios, colors, alarms, pressure and flow rates
- Detect leaks and send alerts when maintenance is due
- Download reports onto a flash drive with the convenient USB Port

### Spend Less Time on Maintenance

- No fluid regulators to flush or maintain



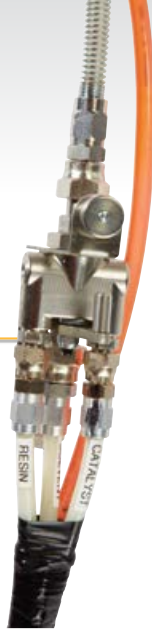
## Mix Module

### Convenient

- Wear on your belt or hold in your hand

### Efficient

- 80% reduction in flushing waste
- Faster color changes



“The ProMix PD2K is easy to set up and maintain. It handles various inbound pressures and viscosities without touchy fine-tuning, and pumps can be rebuilt in less than 20 minutes.”

## Dosing Piston Pumps

### Accurate

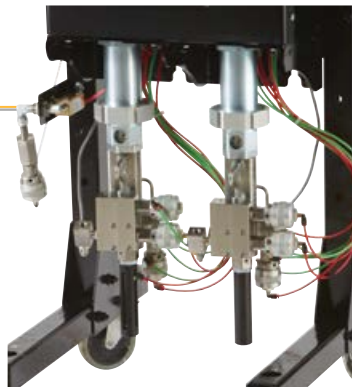
- Stalls under pressure for consistent, on-ratio results (within 1% accuracy)

### Versatile

- Proportion both epoxy and urethane with ONE system
- Manage up to 30 colors and 4 catalysts with 2 or 4 dosing pumps

### Easy to Maintain

- Field serviceable in less than 20 minutes. No need for costly factory rebuilds like gear pumps



## Complete your System

### AirPro® Air Spray Guns

Ergonomically-designed for easy handling, AirPro spray guns have a soft, controlled, adjustable spray pattern with less overspray. Whether you have a custom shop or a high volume manufacturing facility, you'll get superior finishes every time you spray.



### Pro Xp™ Electrostatic Spray Guns

Now with greater spraying flexibility for your ever changing production needs, our



Pro Xp electrostatic spray guns are smaller and lighter, offer excellent finish quality and are designed to maximize your profits.

### G15 Air Assist Spray Guns

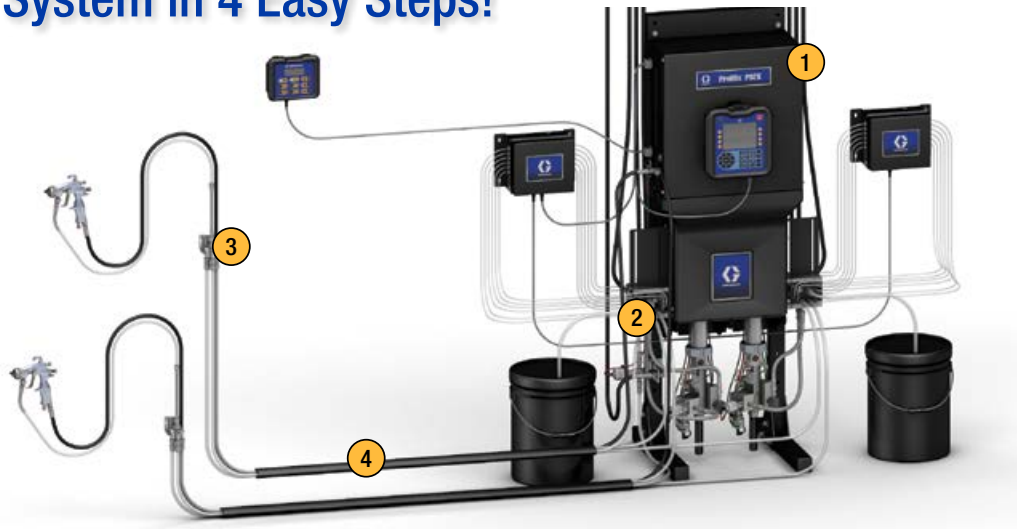
Designed to maximize efficiency, our G15 spray guns give you great finishes and long lasting reliable performance. Paired with our AAF tip line, you get less overspray and increased transfer efficiency.



For more information about Graco spray guns, visit [www.graco.com/Finishing](http://www.graco.com/Finishing).

# Ordering Information

## Build Your System in 4 Easy Steps!



### 1 Select a ProMix PD2K Main Proportioning Unit

Main PD2K Unit Part No.	Pressure	70 cc Resin Pump	35 cc Catalyst Pump	Advanced Display Module with USB	Solvent Valve
MC1000	Low Pressure - up to 300 psi (21 bar)	•	•	•	•
MC2000	High Pressure - up to 1500 psi (104 bar)	•	•	•	•

### 2 Select Color Change

	2 Color / 3 Color Expansion	4 Color / 5 Color Expansion	6 Color / 7 Color Expansion	8 Color / 9 Color Expansion
Low Pressure Non-Circulation	24R915	24R916	24R917	24R918
Low Pressure Circulation	24R919	24R920	24R921	24R922
High Pressure Non-Circulation	24R959	24R960	24R961	24R962
High Pressure Circulation	24R963	24R964	24R965	24R966

### 3 Select Mix Module

one per Color

Module	Part No.
Low Pressure Module	24R991
High Pressure Module	24R992
High Pressure Acid	24T273

### Whip Hose (if needed)

Hose between Static Mixer and gun

Whip Hose	Part No.
1/8 in Low/High Pressure fluid - 6 ft	24N641
1/4 in Low Pressure fluid - 6 ft	24N305
1/4 in High Pressure fluid - 6 ft	H52506
5/16 in Grounded air hose - for electrostatic use	244059
5/16 in Air whip hose - for conventional air spray use	16F537

### Quick Disconnect (if needed)

Quick Disconnect	Part No.
Air, Electrostatic	24S004
Fluid	24T873

### 4 Select One Hose Bundle per Color

Bundle includes: 1/4 in resin hose; 1/4 in catalyst hose; 1/4 in solvent hose; air hose

Hose Bundle	25 ft (7 m)	50 ft (15 m)
Low Pressure	24T140	24T141
Low Pressure Electrostatic	24T138	24T139
High Pressure	24T247	24T248
High Pressure Electrostatic	24T245	24T246

Separate Hoses	25 ft (7 m)	50 ft (15 m)
Low Pressure 3/8 inch Fluid Hose	24T763	24T764

Other Items	Part No.
Gun Air Shut Off Kit	15V823
Cable, 100 ft CAN, booth control	16V430
Solvent meter kit	16D329
Bracket, belt	16N824

### Additional Pumps

24R968	Low pressure, 70 cc
24R970	Low pressure, 35 cc
24R969	High pressure, 70 cc
24R971	High pressure, 35 cc

# Return on Investment

## Example of Savings

### Flush Savings with ProMix PD2K

Compared to Traditional Electronic Proportioners

Cost per Color Change

	Traditional	ProMix PD2K
Paint Cost at example price of \$60/gal	0.18 gal x \$60.00 = <b>\$10.80</b>	0.04 gal x \$60.00 = <b>\$2.40</b>
Solvent Cost at example price of \$6/gal	1.03 gal x \$6.00 = <b>\$6.18</b>	0.15 gal x \$6.00 = <b>\$0.90</b>
Disposal Cost at example price of \$7/gal	1.21 gal x \$7.00 = <b>\$8.47</b>	0.19 gal x \$7.00 = <b>\$1.33</b>
Total Material Cost	<b>\$25.45</b>	<b>\$4.63</b>
Total Flush Cost per Day (Total Material Cost x 7 color changes/day)	<b>\$178.15</b>	<b>\$32.41</b>
Total Flush Cost per Year (250 working days)	<b>\$44,537</b>	<b>\$8,102</b>

Flush SAVINGS/year\*

**\$36,435**

### Transfer Efficiency Savings with ProMix PD2K

SAVE up to 10% in transfer efficiency with PD2K electronic fluid management

	Traditional	ProMix PD2K
Paint Cost per day (based on 20 gal/day paint use at \$60/gal)	\$1200	\$1200 - 10% = \$1080
Paint Cost per year (250 working days)	<b>\$300,000</b>	<b>\$270,000</b>

Transfer Efficiency SAVINGS/year\*

**\$30,000**

\*Savings based on 7 color changes per day and hose length of 50 ft x 1/4 in diameter

## Technical Specifications

Maximum fluid working pressure	
MC1000 Air Spray Systems	300 psi (21 bar, 2.1 MPa)
MC2000 Air-Assisted Spray Systems	1500 psi (105 bar, 10.5 MPa)
Maximum working air pressure	100 psi (7 bar, 0.7 MPa)
Air supply	85 to 100 psi (6 to 7 bar, 0.6 to 0.7 MPa)
Air filter inlet size	3/8 npt(f)
Air filtration	
Air logic (Graco supplied)	minimum of 5 micron clean/dry
Air for atomizing (user supplied)	minimum of 30 micron clean/dry
Mix ratio range	
Mix module	0.1:1 to 50:1, ± 1%
Fluids handled	
One or two component: solvent and waterborne paints; polyurethanes; epoxies; acid catalyzed varnishes; moisture sensitive isocyanates	
Viscosity range of fluid	20 to 5000 centipoise
Fluid filtration (user supplied)	100 mesh minimum
Fluid outlet size	1/4 npt(m)

External power supply requirements	
90 to 250 Vac, 50/60 Hz. 7 amps maximum draw, 15 amp maximum circuit breaker required, 8 to 14 AWG power supply wire gauge	
Operating temperature range	36 to 122°F (2 to 50°C)
Storage temperature range	-4 to 158°F (-20 to 70°C)
Weight (approx.)	300 lb (136 kg)
Sound data	below 75 dBA
Wetted parts	
17-4 PH, 300 series SST, tungsten carbide with nickle binder, PTFE, PPS, perfluoroelastomer, UHMWPE	
Manuals	
Installation	.332457
Operation	.332562
Repair parts	.3A2800
Pumps	.332339
Mix manifold	.3A2801
Color change valves	.332454
Color change kits	.332455
3rd and 4th Pump expansion kits	.332456



## 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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## SALES/ DISTRIBUTION/ SERVICE

Call today for product information or to request a demonstration.

**877-84GRACO (1-877-844-7226)** or visit us at [www.graco.com](http://www.graco.com).

Graco Inc. is registered to I.S. EN ISO 9001

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