



Acid Catalyst

For ProMix® Proportioners



2K Meter and Pump Systems Designed Specifically for Acid Catalyst Applications

- Upgraded fluid section capable of handling strong acid catalysts
- Built in corrosion/leak prevention
- Smart fluid plate with 316 and 17-4 SST catalyst sections for corrosion resistance
- Can handle all spray technologies

PROVEN QUALITY. LEADING TECHNOLOGY.

Tough Materials Call for Tougher Equipment

Conversion varnishes are known for their durability, moisture resistance and excellent finishing results when applied to high use wood surfaces like cabinetry and bar counter tops. Graco's line of ProMix proportioners are 100% Acid Compatible and specifically designed for these challenging applications.

VS.

Standard 2K Design

Fluid Section

Mid grade 303, 304 to prevent rusting

Valves

Made with carbide needles and SST seats for longer wear

Tubing

PTFE and SST for moisture resistance

100% Acid Compatible Design

Fluid Section

High Grade 316 and 17-4 SST to prevent corrosion

Valves

316 SST or Peek needles and 17-4 seats to prevent leakage and corrosion

Tubing

PTFE and 316 SST for moisture and corrosion resistance

Bellows Pump for Acid

In the 2KE Pump system, the Merkur Bellows pump is enhanced with 316 and 17-4 SST to resist corrosion and maintain volume measurement accuracy.



G3000A Meter

At the heart of all proportioning systems is the meter that measures the exact mix ratio.

The G3000A meter is made with materials specifically engineered to accurately measure fluid while withstanding strong acid.

- High grade 316 SST housing is perfect for corrosion resistance to acid catalysts
- 17-4 SST gears, bearings and pins for smooth, consistent movement of the measuring parts

ProMix 2KE

Compact, Entry-Level Proportioner

ProMix 2KE for Conversion Varnish

Our ProMix 2KE is a compact and easy to use proportioning system allowing you to mix on demand and save money. Its compact size lets you fit into tight locations or allows you to use multiple machines to change colors instantly. It also comes with a USB port to download usage data for reports or to find ways to improve your process.

Updated Design for Acid Materials

ProMix 2KE Meter System



ProMix 2KE Pump System



Made with 316 SST, 17-4 SST, PEEK, and other acid resistant materials

Upgraded catalyst valve/manifold

G3000A Meter is engineered to withstand strong acid catalyst

Upgraded mix manifold for up to 30:1 ratio

Upgraded catalyst valve/manifold

23:1 or 35:1 Merkur Bellows lower designed to stand up to corrosive acid materials

Ordering Information

Part Number	Proportioner	Includes
24Z013	2KE Meter, Single Color, IS	Intrinsically Safe Alternator Power
24Z015	2KE Meter, Single Color	Non Intrinsically Safe AC Powered
24Z014	2KE Meter, 3 Color, IS	Intrinsically Safe Alternator Power
24Z016	2KE Meter, 3 Color	Non Intrinsically Safe AC Powered
24Z017	2KE Pump, 23:1 Bellows B side Pump	Non Intrinsically Safe AC Powered
24Z018	2KE Pump, 23:1 Bellows B side Pump, IS	Intrinsically Safe Alternator Power
26C855	2KE Pump, 35:1 Bellows* B side Pump	Non Intrinsically Safe AC Powered
26C856	2KE Pump, 35:1 Bellows* B side Pump, IS	Intrinsically Safe Alternator Power

*35:1 Bellows pump maximum fluid outlet pressure 3000 psi (206 bar)

ProMix 2KS

Meter Based Dosing Systems

Our ProMix 2KS lets you grow your business to fit your needs. It can track the performance of one or two painters and easily expand up to 30 colors and 4 catalysts. Plus, it can manage a wide range of mix ratios, up to 50:1, so you don't have to rely on a coatings supplier for special blends. And like all of our proportioners, it's intrinsically safe, easy to setup and manage without touchy adjustments to fluid pressure.

Other features include:

- G3000A meter for acid usage
- Ability to handle all spray technologies
- Remote operator station
- Smart fluid plate with 316 and 17-4 SST catalyst sections for corrosion resistance
- Gun flush box option

Ordering Information

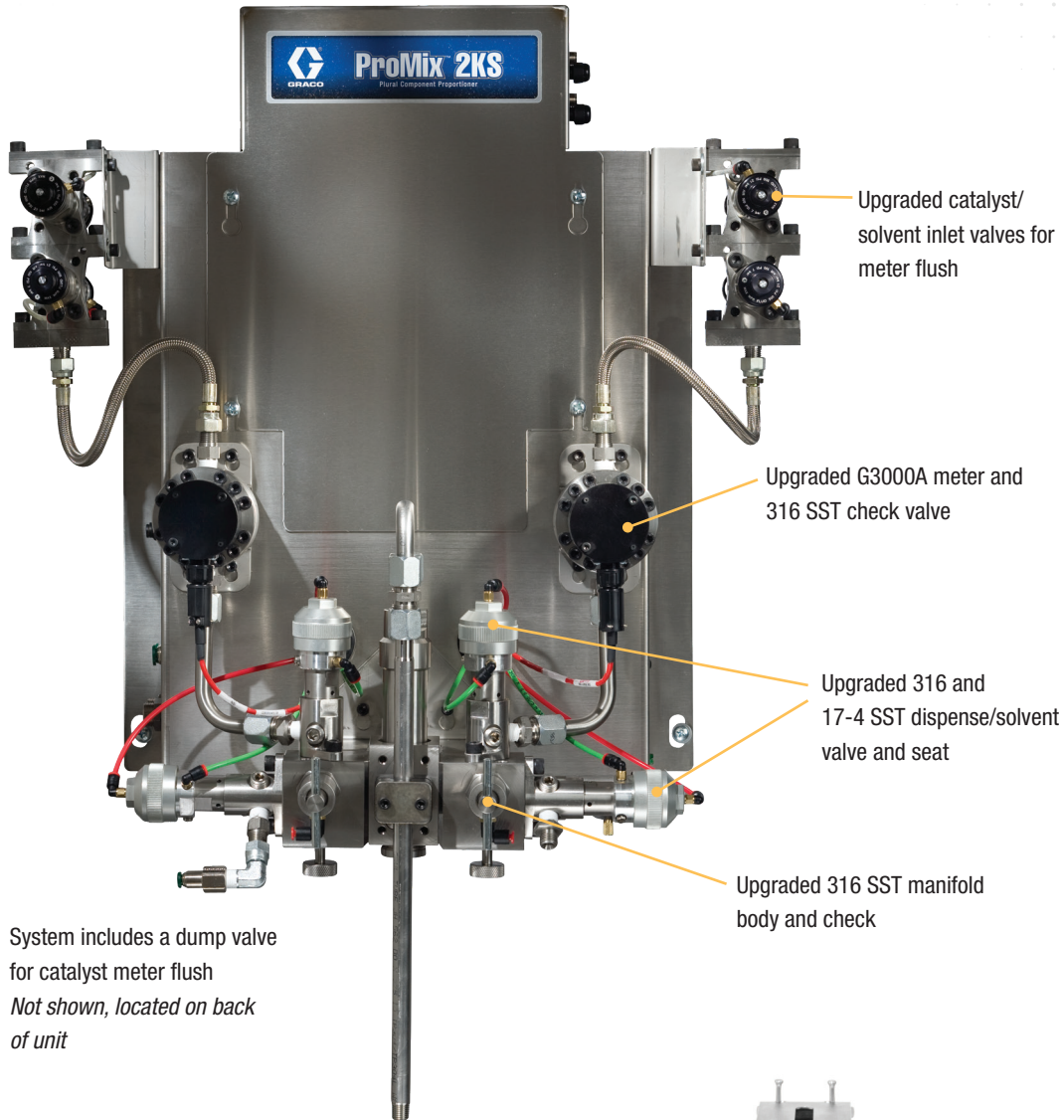
Part Number	Description*
ME1001	2KS Manual System with G3000A Meter, 1 Airflow Switch, EasyKey Smart Control and Display
ME1002	2KS Manual System with G3000A Meter, 2 Airflow Switches, EasyKey Smart Control and Display
ME1003	2KS Manual System with G3000A Meter, 1 Gun Flush Box, EasyKey Smart Control and Display
ME1004	2KS Manual System with G3000A Meter, 2 Gun Flush Boxes, EasyKey Smart Control and Display
AE100N	2KS Automatic System with G3000A Meter, EasyKey Smart Control and Display

* Resin valve not included. Acid flush valve and acid dump valve (17L060) are included. For resin valves and solenoid control, order kit below.

Accessories

Part Number	Description
26A096	No Valve, 1 Catalyst Valve Solenoid Control
26A097	2 Resin Valves, 1 Catalyst Valve Solenoid Control
26A098	4 Resin Valves, 1 Catalyst Valve Solenoid Control
26A099	7 Resin Valves, 1 Catalyst Valve Solenoid Control
26A100	12 Resin Valves, 1 Catalyst Valve Solenoid Control
26A101	Valve Stack, 2 Acid Catalyst Expansion Kit (adds two catalysts totaling 3)
17L060	Dump Valve, Acid Kit

Capable of Handling Strong Acid Catalysts with Upgraded Fluid Section



EasyKey

User interface offers simple setup and navigation



Gun Flush Box

Provides automated gun flushing system

ProMix PD2K

Positive Displacement Proportioning System

The ProMix PD2K is not only compatible with acid-based materials, it can reduce your flushing waste up to 80% compared to traditional proportioning systems. By making the flush zone significantly smaller and mixing material closer to the gun, customers use less paint, spend less on disposal costs and achieve faster color changes. And because there is limited mixed material in the system, the ProMix PD2K is ideal for short pot life materials.

Other features include:

- Flexible configurations allowing you to maximize savings based on your work preferences
- Maximize consistency and performance with PD2K's active fluid management pressure and flow control

Upgraded

- Catalyst dose pump upgraded with 316 and 17-4 SST
- Color change valves upgraded with 316 and 17-4 SST
- Mix manifold upgrade with 316 and 17-4 SST



Ordering Information

Part Number	Description
SYSTEM	
MC4000	Proportioner, System, PD2K, Manual, High Pressure, Acid
EXPANSION PUMPS	
26A048	35 cc, Pump, 4 Catalyst, High Pressure, Acid, Kit
24R969	70 cc High Pressure, Resin Pump, Kit
MIX AT BELT MANIFOLD	
24T273	Kit, High Pressure Manifold With Brkt, Mixer, Acid Compatible
RESIN PUMP COLOR CHANGE	
26A036	Kit, PD2K Auto, 1 Color Flush
26A037	Kit, PD2K Auto, 2 Color Flush
26A038	Kit, PD2K Auto, 4 Color Flush
26A039	Kit, PD2K Auto, 6 Color Flush
26A040	Kit, PD2K Auto, 8 Color Flush
26A041	Kit, PD2K Auto, 12 Color Flush
CATALYST PUMP COLOR CHANGE KITS	
24X320	KIT, 1 CAT, NON-CIRC, HP, ACID
24T579	KIT, 2 CAT, NON-CIRC, HP
24T580	KIT, 4 CAT, NON-CIRC, HP
REMOTE COLOR CHANGE	
26A042	KIT, PD2K Auto, 1 Clr/1 CAT, CIR
26A043	KIT, PD2K Auto, 2 Clr/1 CAT, CIR
26A044	KIT, PD2K Auto, 4 Clr/1 CAT, CIR
26A045	KIT, PD2K Auto, 6 Clr/1 CAT, CIR
26A046	KIT, PD2K Auto, 8 Clr/1 CAT, CIR
26A047	KIT, PD2K Auto, 12 Clr/1 CAT, CIR

Accessories

Part No.	Description
HOSE BUNDLES	
25A522	Hose, Bundle, 25 ft, Electrostatic HP, Acid
25A523	Hose, Bundle, 50 ft, Electrostatic HP, Acid
25A524	Hose, Bundle, 25 ft, Conventional HP, Acid
25A525	Hose, Bundle, 50 ft, Conventional HP, Acid
HOSES, COUPLED	
25A517	Hose, Coupled 0.625 ft, PTFE and 316 SST wetted parts
25A518	Hose, Coupled 10 ft, PTFE and 316 SST wetted parts
25A519	Hose, Coupled 15 ft, PTFE and 316 SST wetted parts
25A520	Hose, Coupled 25 ft, PTFE and 316 SST wetted parts
25A521	Hose, Coupled 50 ft, PTFE and 316 SST wetted parts
25A721	Hose, Coupled 1.0 ft, PTFE and 316 SST wetted parts

Acid Compatible Pumps and Accessories

Part No.	Description
G23B37	23:1 Merkur Bellows Pump, Acid Compatible, Wall Mount, No DataTrak
G23B38	23:1 Merkur Bellows Pump, Acid Compatible, Wall Mount, DataTrak
26A085	Pressure Regulator, Acid Compatible 1500 psi (103 bar) Max. Working Pressure, 150-1200 psi (10-83 bar) Adjustable Range
26A086	Pressure Regulator, Acid Compatible 6000 psi (413 bar) Max. Working Pressure, 500-3000 psi (34-206 bar) Adjustable Range
26A081	Back Pressure Regulator 3000 psi (206 bar) Max. Working Pressure, 0-1000 psi (0-70 bar) Adjustable range
26A068	Ball Valve, 316 SST, 3/8 - 1/4 NPT
26A078	Ball Valve, 316 SST, 1/4 - 1/4 NPT
26A069	Fluid Filter Kit, 18 in ² (116 cm ²), 5000 psi (345 bar), 100 Mesh
17K787	100 Mesh Filter Element
17A489	Fluid Pressure Gauge, 316 SST, 1/4 NPT, 0-500 psi (0-34 bar)
17L706	Fluid Pressure Gauge, 316 SST, 1/4 NPT, 0-3000 psi (0-206 bar)

Tech Specifications

	2KE Meter	2KE Pump	2KS	PD2K
Mix Ratio Range	0.1:1-30:1±1%	0.1:1-30:1±2%	0.1:1-50:1±1%	0.1:1-50:1±1%
Flow Rate Range	0.02-1 gpm (75-3800 cc/min)	0.015-1.6 gpm (50-6000 cc/min)	0.02-1 gpm (75-3800 cc/min)	0.005-0.4 gpm (20-1500 cc/min)
Max Pressure	3000 psi (206 bar)	3000 psi (206 bar)	3000 psi (206 bar)	1500 psi (103 bar)



High Pressure Fluid Back
Pressure Regulator
Part No. 26A081



Stainless Steel High
Pressure Filter
Part No. 26A069



High Pressure Regulator
Part No. 26A086



High Pressure Regulator
Part No. 26A085



Merkur Bellows Pump

All written and visual data contained in this document are based on the latest product information available at the time of publication. Graco reserves the right to make changes at any time without notice.

Call today for product information or to request a demonstration.
800.328.0211 or visit us at www.graco.com/finishing

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