

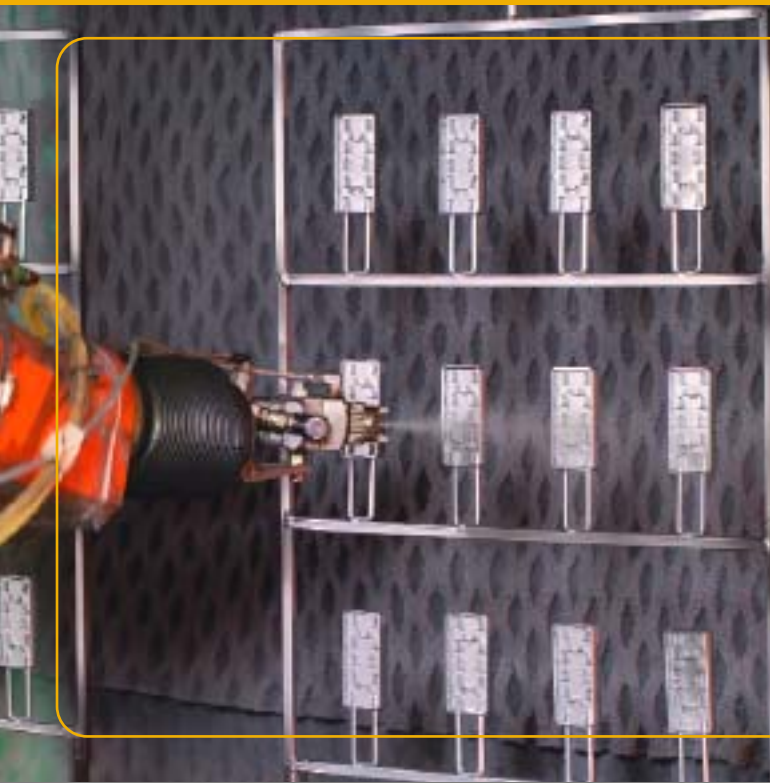


# PLURAL COMPONENT

Proportioning Systems for Finishing Applications



# Improve Performance



## Take Proportioning to the Next Level of Finishing Excellence!

Stay on-ratio with Graco's full line of plural component finishing equipment, and benefit from substantial cost and material savings. Our systems deliver exceptional quality, reliability and ratio assurance.

### Why Plural Component?

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

## Product Selector Guide

Graco's plural component proportioners are completely integrated, modular designs that are ready to meet the needs of your growing business. Because our products provide exceptional ratio assurance, you can virtually eliminate rework and issues caused by off-ratio errors. Choose the product that best suits your needs from the selector below.

Feature	ProMix Easy	ProMix II	ProMix Auto	PrecisionMix II	PrecisionMix II 3K
Number of Components	2	2	2	2	3
Ratio Range	0:1 to 30:1*	1:1 to 30:1	1:1 to 30:1	0.6:1 to 30:1	0.6:1:0.6 to 20:1:1
Ratio Assurance	1 - 5%	1%	1%	1%	1%
Flow Rate Range	20 – 3800 cc/min	50 – 3800 cc/min	20 – 3800 cc/min	75 - 3800 cc/min	75 - 3800 cc/min
Number of Colours	1	6	30	12	12
Number of Catalyst	1	1	4	3	3
Number of Recipes	1	6	60	63	63
Pot Life Monitor	Yes	Yes	Yes	Yes (2 Guns)	Yes (2 Guns)
Flow Control	No	No	Yes	Yes	Yes
Flow Control Range	NA	NA	20 to 1200 cc/min	100 to 1200 cc/min	100 to 1200 cc/min
Gun Flush Box	No	1 Gun	No	2 Guns	2 Guns
Automation Integration	No	No	Yes	Yes	Yes
Reporting	Printer/Graco Shell	Printer/Graco Shell	Graco Shell	Printer/AMR	Printer/AMR
RoboMix	No	No	Yes	Yes	No

\*Pump version 0.1 to 10:1

# A Complete Family of Proportioners

## ProMix™ Easy

### Easy to use single-colour proportioner

Get superior ratio assurance with these air spray and air-assisted units! Easy-to-use and affordable, the ProMix Easy is an entry-level unit for single-colour electronic proportioning.

## ProMix™ II

### Integrated colour change for manual applications

Flush and colour change your system without ever leaving the booth! This upgrade in electronic proportioning offers an intrinsically-safe fluid panel and operator station for precise and reliable performance in multi-colour applications.

## ProMix™ Auto

### Integrated colour change for automatic applications

Take your proportioning applications to the next level with fast colour change and closed loop flow control. This electronic plural component proportioner offers exceptional accuracy in automatic applications.

## PrecisionMix™ II

### Integrated colour change for demanding applications

The ultimate solution for manual or automatic applications! With integrated colour change and a modular design, the PrecisionMix II offers the highest level of technology and control.

## PrecisionMix™ II 3K

### Integrated colour change for three component applications

Get superior technology and control! With advanced, user-friendly technology, easy setup and standard reporting, this proportioner effectively manages three-component materials.



PROMIX EASY



PROMIX II



PROMIX AUTO



PRECISIONMIX II AND  
PRECISIONMIX II 3K

# ProMix Easy

## Simple and Flexible Proportioning at an Affordable Price!

The ProMix™ Easy patented mixing technology is available in both pump and meter versions for all spray technologies, and is designed for single-colour, two-component, in-booth applications.

### FEATURES AND BENEFITS:

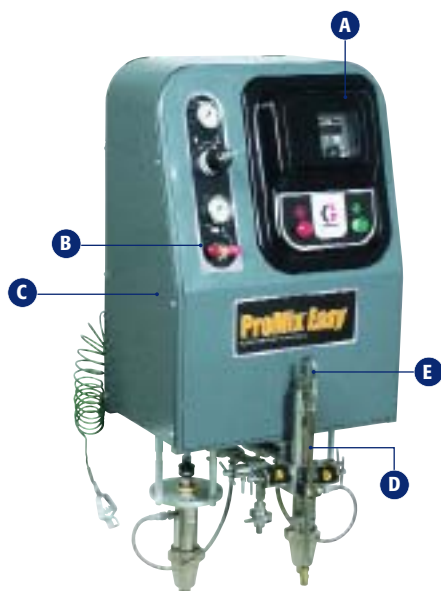
- Designed for single-colour materials including moisture sensitive ISO
- Circulation system keeps solids in suspension
- Reporting system monitors production
- Intrinsically-safe fluid panel allows for easy integration into hazardous environments
- Handles flow rates as low as 20 cc/min and ratios up to 30:1

### TARGET MARKETS:

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



## EASY-TO-USE AND OPERATE!

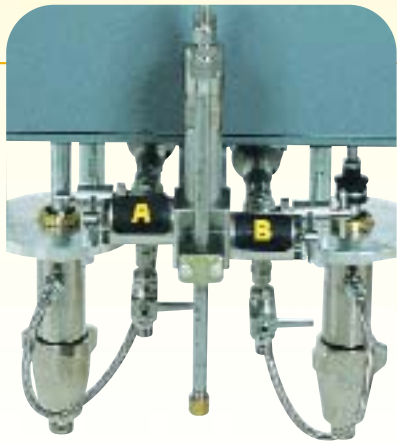
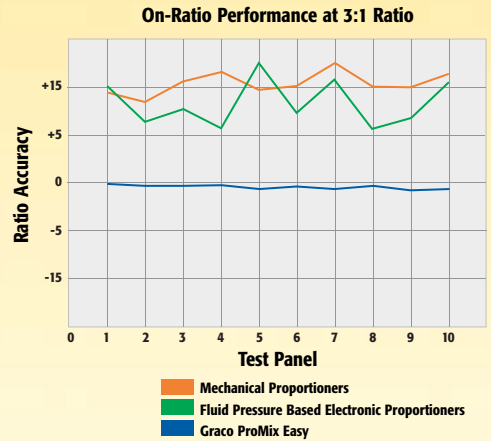


- A** *User-friendly controls make this the easiest unit to operate in the market*
- B** *Intrinsically-safe design means pumps and controls only require air to operate*
- C** *Offered in four pump versions for use in all spray technologies*
- D** *Patented mixing technology provides superior quality*
- E** *Shutdown and alarm features prevent spraying off-ratio*

## 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.



## FLUID MANIFOLD

The new ProMix Easy manifold design 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



**PROMIX EASY  
METER-BASED SYSTEM**



**PROMIX EASY  
AIR SPRAY 2.5:1**



**PROMIX EASY  
AIR-ASSIST 24:1 AND 34:1  
OR AIRLESS 47:1**

# ProMix II

## Colour Changes Made Easy!

The ProMix II is perfect for mixing most two-component solvent-borne and waterborne epoxies, polyurethanes and acid-catalyzed varnishes. This meter-based system allows you to flush and colour change the system without ever leaving the booth!

### FEATURES AND BENEFITS:

- Easy to setup and operate
- Booth control allows for single button operation
- Single- or multi-coloured options for a variety of applications
- Maximum six colours, one catalyst
- Intrinsically-safe fluid panel allows for easy integration into hazardous environments
- Programmable flushing and filling sequence for exceptional cost and material savings

### TARGET MARKETS:

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



## COMPLETE YOUR SYSTEM!

### Gun Flush Box

This automated flushing system for manual spray guns reduces wasted solvent and disposal costs up to 25% by flushing only the exact amount of solvent required.



GUN FLUSH BOX

### Meters

- G3000/G3000HR Flow Meters: High pressure, general purpose and high resolution options
- Coriolis Flow Meter: Designed for a wide range of flow rates and viscosities.



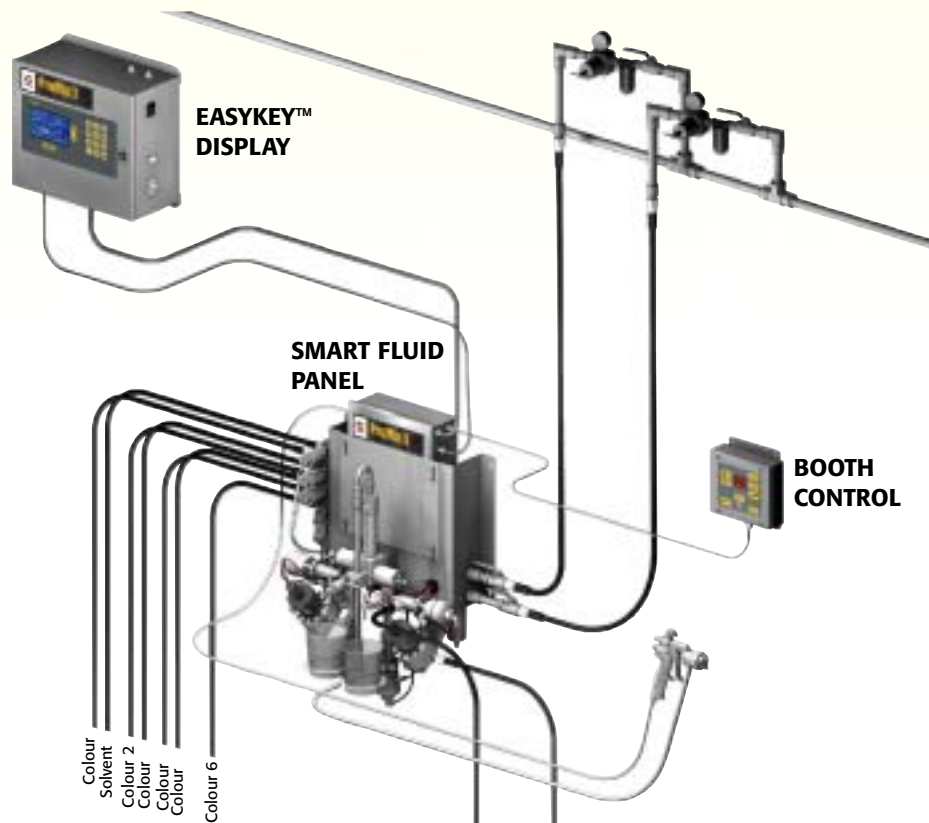
CORIOLIS  
FLOW METER



G3000 AND  
G3000HR  
FLOW METERS

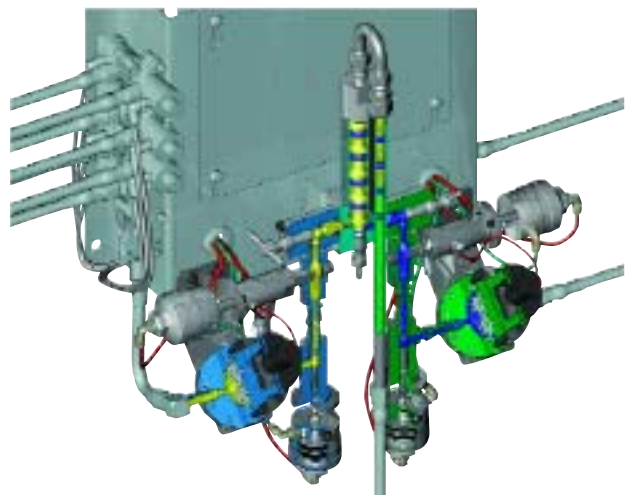
## Simplicity in One Efficient System

Stay on-ratio with the ProMix II electronic proportioning system and benefit from substantial cost and material savings. This meter-based system guarantees high-ratio assurance with three easy-to-use components.



## FLUID MANIFOLD

The fluid manifold offers automatic flushing of A and B components and a new valve design for quicker response and improved efficiency.



# ProMix Auto

## Control Costs with Automation Integration!

Designed for most two-component solvent- and waterborne epoxies, polyurethanes and acid-catalyzed materials, this patented technology offers flow control, multiple colour and catalyst change options, three purge valves for waterborne materials and network communication.

### FEATURES AND BENEFITS:

- 30 colours with single catalyst (23 max if multiple catalysts)
- Four catalysts
- Colour and catalyst dump valves
- High speed colour change maximizes production
- Handles flow rates as low as 20 cc/min and ratios up to 30:1
- Modbus/TCP and discrete I/O communication options

### TARGET MARKETS:

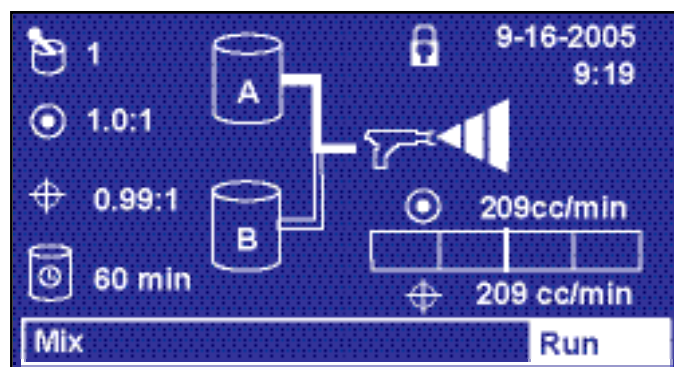
- Automotive feeders
- Automotive assemblers
- Electronics
- Sporting goods
- Wood and furniture manufacturers
- Truck, bus and farm equipment manufacturers



## Run Screen

### Monitor the ratio, flow rate and pot life – all on one screen!

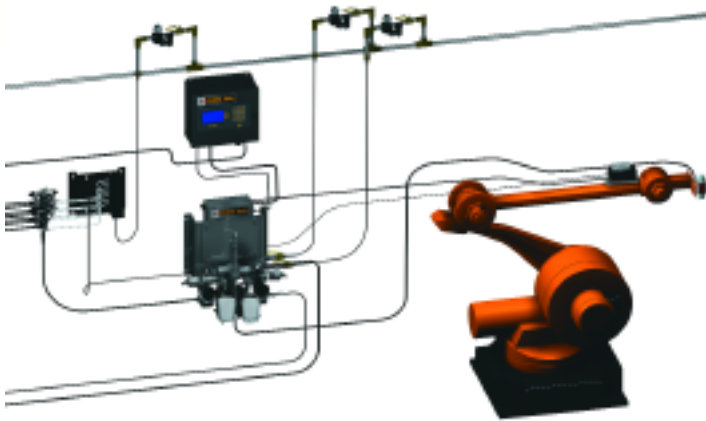
The run screen provides additional information on the status of the system, so the operator knows when a colour change or system flush is occurring.



## Wall Mount

The wall mount panel is intrinsically-safe and offers a variety of options to meet your application requirements.

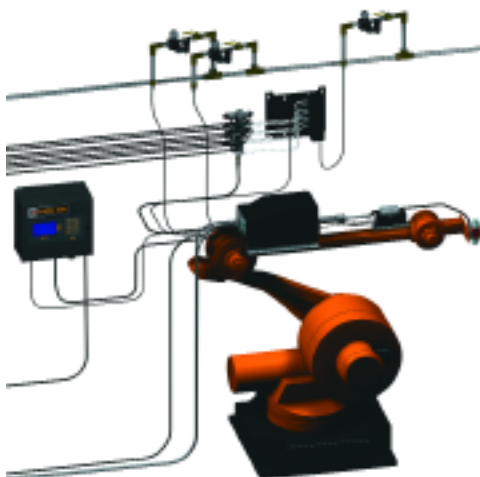
- 3000 psi
- 20 cc/min. to 3800 cc/min. flow rate
- IS with G3000 meter (Non IS with Coriolis meter)
- Flow control
- Waterborne option has three purge valves for air, water and solvent



## RoboMix II

The RoboMix II fluid panel is intrinsically-safe and offers a robot arm-mounted fluid mix manifold that minimizes colour change time and material waste during purges.

- 40 cc/min. to 2000 cc/min. flow rate
- Maximum of 30 colours (23 with 4 catalysts)
- Maximum of four catalysts
- Colour and catalyst dump valves
- Lightweight (12 kg) panel



## ProControl

- Closed loop flow control eliminates excess material applied to the part for increased material savings
- Ability to maintain a consistent flow rate results in superior finish quality
- Quick response times allows for fast flow control and better process control



## Colour Change

CAN network allows for easy integration for adding low and high pressure colour change valves.



## Meter Options

- G250/G250HR Flow Meters: Low pressure, general purpose and high resolution options
- G3000/G3000HR Flow Meters: High pressure, general purpose and high resolution options
- Coriolis Flow Meter: Designed for a wide range of flow rates and viscosities.



CORIOLIS



G250 AND  
G250HR

# PrecisionMix II

## Accurately Control the Mix Ratio of Two- or Three-Component Coatings!

The PrecisionMix II is a multi-colour, high volume plural component proportioner for epoxies or polyurethanes. It accommodates up to 12 resin colours and three catalysts. The PrecisionMix II 3K accommodates up to 12 resin colours, three catalysts and one reducer.

### FEATURES AND BENEFITS:

- Simple recipe selection makes it easy to configure and operate from a remote operator station
- Quick colour changes save time and money
- Consistent on-ratio performance ensures quality finishes
- Designed for multiple gun applications

### TARGET MARKETS:

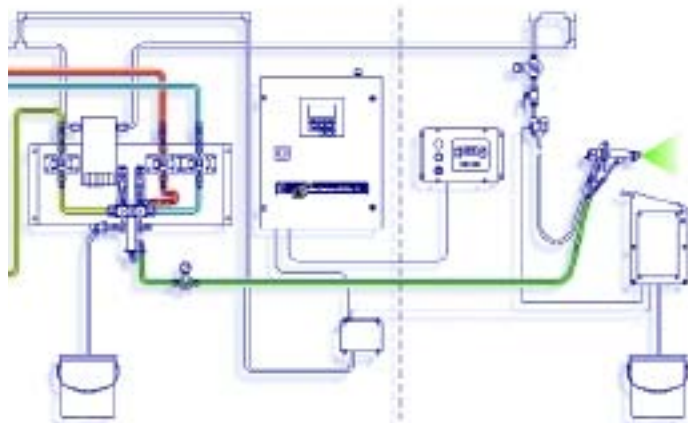
- Automotive feeders
- Automotive assemblers
- Electronics
- Sporting goods
- Wood and furniture manufacturers
- Truck, bus and farm equipment manufacturers



## Superior Technology

### The most widely accepted plural component system!

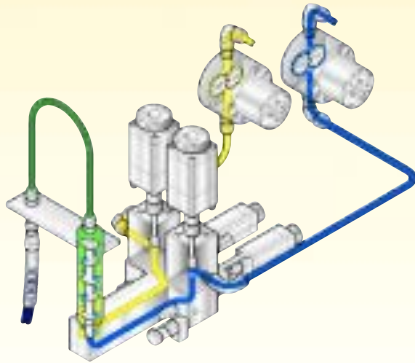
Not only is the PrecisionMix II the benchmark for electronic proportioning, its full range of features makes it the most versatile system in the market.



## Improve Efficiency

The fluid manifold offers automatic flushing of A and B components.

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



FLUID MANIFOLD

## Get Real Time Performance Details!



RUN SCREEN

From flow rates to usage data, the PrecisionMix II provides the information needed to improve manufacturing processes.

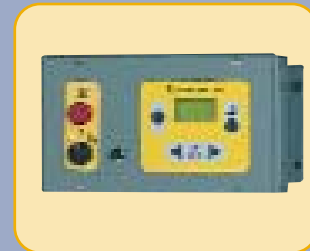
## Gun Flush Box

This automated flushing system for manual spray guns reduces wasted solvent and disposal costs up to 25% by flushing only the exact amount of solvent required.



## Booth Control

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



## PrecisionMix II 3K Manifold

Effectively manage three-component materials! The PrecisionMix II 3K mixes three components at one time – allowing solvent reduction to be completed automatically.



# ProMix<sup>TM</sup> Easy

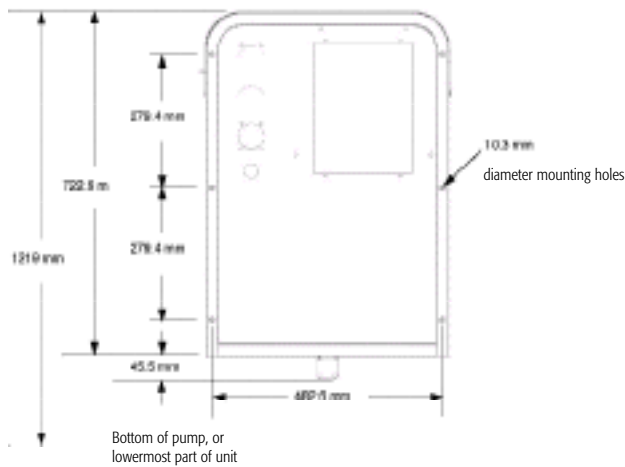
EASY TO USE AND OPERATE

## Technical Specifications

Mix ratio range	0.1:1-10:1* (in 0.1 increments), pump-based systems 0.1:1-30:1* (in 0.1 increments), meter-based systems
Ratio tolerance range	up to +/- 1%
Flow rates	
Minimum	0.02 lpm*, pump-based systems 0.1 lpm*, meter-based systems
Maximum	3.8 lpm
Pump size	
UltraMix	54 cc/cycle
HydraMix	92 cc/cycle
Pump cycle length	(one cycle = one upstroke and one downstroke)
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	60 mesh (238 micron) standard
Maximum fluid working pressure	
2.5:1 UltraMix	1.7 MPa, 17 bar (250 psi)
24:1 HydraMix	16 MPa, 168 bar (2400 psi)
34:1 HydraMix	23 MPa, 238 bar (3400 psi)
47:1 HydraMix	32 MPa, 329 ba (4700 psi)
Meter-based systems	27.6 MPa, 276 bar (4000 psi)
Air supply pressure range	420-800 kPa, 4.2-8 bar (60-110 psi)
Maximum air consumption at 100 psi (0.7 MPa, 7 bar)	
2.5:1 UltraMix	0.30 m <sup>3</sup> /min at 3.8 lpm
24:1 HydraMix	1.13 m <sup>3</sup> /min at 3.8 lpm
34:1 HydraMix	1.53 m <sup>3</sup> /min at 3.8 lpm
47:1 HydraMix	1.76 m <sup>3</sup> /min at 3.8 lpm
Ambient temperature range	
Operating	0-40° C
Storage	-1-71° C
Approved for Hazardous Locations:	FM for the United States; Class 1, Div. 1 CSA Canada; Class 1, Division 1 ATEX for Europe; Class 1 Zone 1
External Power Supply Requirements	93-250 Vac, 50/60 Hz, 1.2 amps maximum draw 15 amp maximum circuit breaker required 14 AWG power supply wire gauge
Environmental Conditions Rating	Indoor/outdoor Altitude up to 4000 meters Maximum relative humidity to 99% up to 40° C Pollution degree (1) Installation category (2)
Sound pressure	98 dBA at 0.7 MPa, 7 bar (100 psi)
Wetted parts	
Pumps	See 310662
Dispense Valves	See 310655
Mix Manifold	See 310654
Meters	See 308778
PC Communications	RS-232

\* Material and application dependent

# Dimensions



## Ordering Information

### Proportioners Used in Air Spray Applications

#### Approved for Hazardous Locations

- 234596** Cart Mount, UltraMix™ Carbon Steel Pumps, 25 ft Hose and Delta. HVLV Air Spray Gun, 17 bar, 1.7 MPa (250 psi)
- 234618** Wall Mount, G3000 Meter, Carbon Steel Mix Manifold 276 bar, 27.6 MPa (4000 psi)
- 234619** Wall Mount, G3000 Meter, Stainless Steel Mix Manifold 276 bar, 27.6 MPa (4000 psi)
- 234599** Wall Mount, UltraMix Carbon Steel Pumps 17 bar, 1.7 MPa (250 psi)
- 234601** Wall Mount, UltraMix Stainless Steel Pumps 17 bar, 1.7 MPa (250 psi)
- 234597** Wall Mount, UltraMix Carbon Steel Pump/G3000 Meter 17 bar, 1.7 MPa (250 psi)
- 234598** Wall Mount, UltraMix Stainless Steel Pump/G3000 Meter 17 bar, 1.7 MPa (250 psi)

### Proportioners Used in Air Assist Applications

#### Approved for Hazardous Locations

- 234606** Wall Mount, HydraMix 500 Carbon Steel Pumps 165 bar, 16.5 MPa (2400 psi)
- 234608** Wall Mount, HydraMix 500 Stainless Steel Pumps 165 bar, 16.5 MPa (2400 psi)
- 234603** Wall Mount, HydraMix 500 Stainless Steel Pump/G3000 Meter 165 bar, 16.5 MPa (2400 psi)
- 234602** Wall Mount, HydraMix™ 500 Carbon Steel Pump/G3000 Meter. 165 bar, 16.5 MPa (2400 psi)
- 234609** Wall Mount, HydraMix 600 Carbon Steel Pumps 234 bar, 23 MPa (3400 psi)
- 234611** Wall Mount, HydraMix 600 Stainless Steel Pumps 234 bar, 23 MPa (3400 psi)
- 234604** Wall Mount, HydraMix 600 Carbon Steel Pump/G3000 Meter 234 bar, 23 MPa (3400 psi)
- 234605** Wall Mount, HydraMix 600 Stainless Steel Pump/G3000 Meter. 234 bar, 23 MPa (3400 psi)
- 234618** Wall Mount, G3000 Meter, Carbon Steel Mix Manifold 276 bar, 27.6 MPa (4000)
- 234619** Wall Mount, G3000 Meter, Stainless Steel Mix Manifold 276 bar, 27.6 MPa (4000)

### Proportioners Used in Airless Applications

#### Approved for Hazardous Locations

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

#### Approved for Non-Hazardous Location

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

### 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-based Air Spray System
- 248588** Gun Air Regulator Kit, Pump-based 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

# ProMix™ II

SAVE MONEY AND REDUCE WASTE!

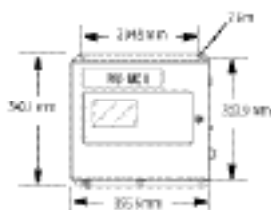
## Technical Specifications

Maximum fluid working pressure:	
Colour Change Option 1, 2, or 3	21 bar, 2.1 MPa (300 psi)
Colour Change Option 4,5 or 6	207 bar, 21 MPa (3000 psi)
Coriolis A and B Meters Option 3	159 bar, 16 MPa (2300 psi)
No Meters or G3000 or G3000HR A and B Meters Option 0, 1, or 2	276 bar, 27.6 MPa (4000 psi)
Maximum working air pressure	7 bar, 0.7 MPa (100 psi)
Air supply	5.2-7 bar, 0.5-0.7 MPa (75-100 psi)
	10 micron (minimum) filtration required
Average air consumption (includes air supply to the gun)	0.45 m <sup>3</sup> /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
G3000HR Meter (intrinsically-safe)	38-1500 cc/min
Coriolis Meter	20-3800 cc/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 colour change valves or gun flush box)	30.2 kg
EasyKey Display	10.1 kg
Smart Fluid Plate (no meters)	18.7 kg
Operator Station	1.5 kg
Optional components	
G3000/G3000HR Flow Meter	2.7 kg each
Coriolis Flow Meter	15 kg each
Low pressure colour change stack (6 colour)	1.4 kg
High pressure colour change stack (6 colour)	5.0 kg
Gun flush box	9.6 kg
Wetted parts	303, 304 SST, 17-4 SST, tungsten carbide (with nickel binder), perfluoroelastomer; PTFE; CV75
Approved for Hazardous Locations:	FM for the United States; Class 1, Div. 1 CSA Canada; Class 1, Division 1 ATEX for Europe; Class 1 Zone 1

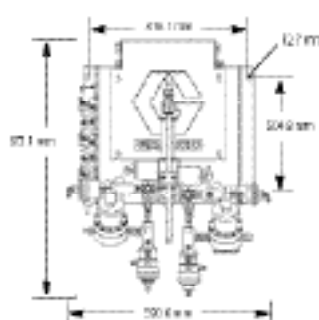
\* Material and application dependent

## Dimensions

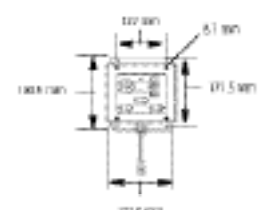
EasyKey™ Display



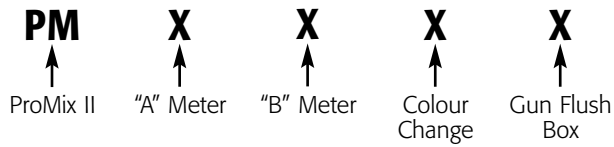
Smart Fluid Panel



Operator Station



# Ordering Information



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

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

## Additional Information

### 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\*

**15G093** Graco G15 AA Gun

**15G346** Graco G40 AA Gun

\*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. Power supply included, but needs to be specified:

**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

**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)

**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

# ProMix™ Auto

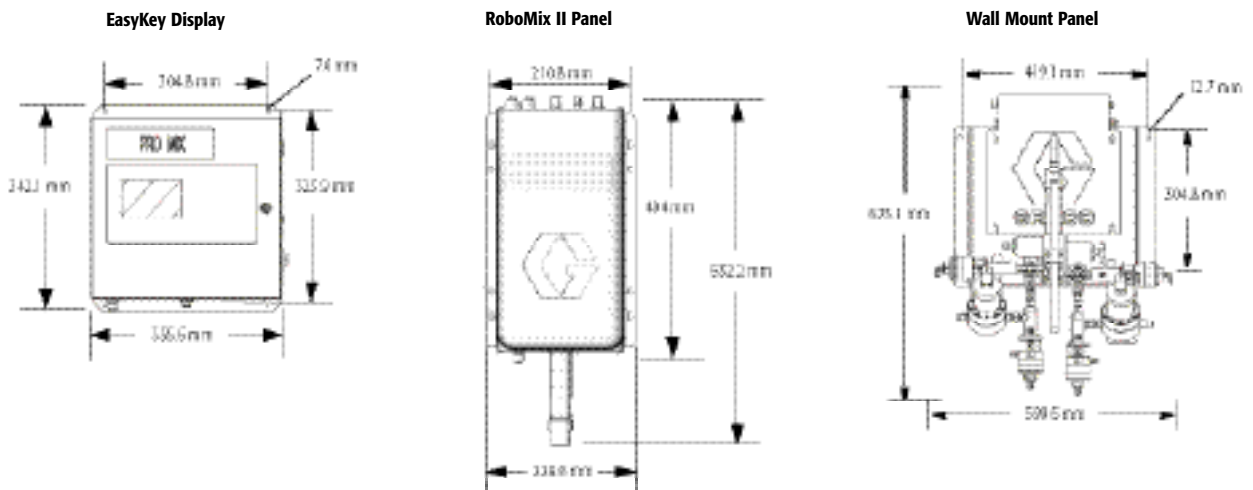
CONTROL COSTS WITH AUTOMATION INTEGRATION

## Technical Specifications

Maximum working air pressure	0.7 MPa, 7 bar (100 psi)
Air supply	0.5 - 0.7 MPa, 5.2 - 7 bar (75 - 100 psi)
Air filtration	10 micron (minimum) filtration required
Mixing ratio range	0.1:1 - 30:1*
On-ratio accuracy	up to + 1%, user selectable
Fluids handled	one or two component: solvent and waterbornes, polyurethanes, epoxies, acid catalyzed varnishes
Viscosity range of fluid	20 - 5000 cps*
Fluid filtration	100 mesh minimum
Fluid flow rate range*	
G250/G3000 Meters	75 - 3800 cc/min
G250HR/G3000 Meters	40 - 1900 cc/min
Coriolis Meter	20 - 2000 cc/min
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
Operating temperature range	5-50° C (41-122° F)
Noise Level	
Sound pressure level	below 70 dBA
Sound power level	below 85 dBA
Wetted parts	303, 304 SST, 17- 4 SST, Tungsten carbide (with nickel binder), perfluoroelastomer; PTFE; CV75
Weight	
Base System Total (no meters colour change valves or gun flush box)	30.2 kg (66.6 lbs)
EasyKey™ Display	10.1 kg (22.2 lbs)
Wall Mount Panel (no meters)	18.7 kg (41.3 lbs)
Flow Control Regulator	1.5 kg (3.3 lbs)
Approved for Hazardous Locations:	.FM for the United States and Canada; Class 1, Div. 1 ATEX for Europe; Class 1 Zone 1 IEC, All Others Countries; Class 1, Zone 1

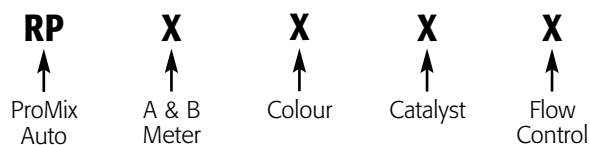
\* Material and application dependent

## Dimensions



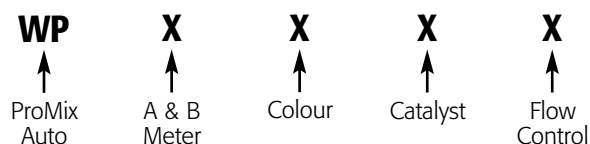
# Ordering Information

## RoboMix II Panel



A & B Meter	Colour Options	Catalyst	Flow Control
1 = G250HR 2 = G250	0 = No Colour 1 = 2 Colours 2 = 4 Colours 3 = 7 Colours 4 = 15 Colours	0 = No Catalyst 1 = 2 Catalysts 2 = 4 Catalysts	0 = No 1 = Yes

## Wall Mount Panel



A & B Meter	Colour Options	Catalyst	Flow Control
0 = No Meters 1 = G3000 A and B 2 = G3000HR A and B 3 = Coriolis A and B 4 = Coriolis A and G3000HR B	0 = No Colour 1 = 2 Low Pressure Colours 2 = 4 Low Pressure Colours 3 = 7 Low Pressure Colours 4 = 15 Low Pressure Colours 5 = 2 High Pressure Colours 6 = 4 High Pressure Colours 7 = 7 High Pressure Colours 8 = 15 High Pressure Colours	0 = No Catalyst 1 = 2 Low Pressure Catalysts 2 = 4 Low Pressure Catalysts  3 = 2 High Pressure Catalysts 4 = 4 High Pressure Catalysts	0 = No 1 = Yes

## Additional Information

- 249970** RoboMix II Colour Change Kit for 2 colours
- 249971** RoboMix II Colour Change Kit for 4 colours
- 249972** RoboMix II Colour Change Kit for 7 colours
- 249973** Wall Panel Colour Change Kit for 2 colours
- 249974** Wall Panel Colour Change Kit for 4 colours
- 249975** Wall Panel Colour Change Kit for 7 colours
- 249976** 16-23 & 24-30 Colour Change Kits
- 15G614** 12 meter Flow Control Extension Cable
- 15G711** 30 meter Power Extension Cable
- 15G710** 30 meter Fiber Cable
- 234563** Coriolis Meter Kit

- 15G731** Third Valve Flush kit for Waterborne Materials
- 15G701** Ratio Check Kit for RoboMix II
- 15G634** Modbus/TCP Converter with Cables
- 280513** Display Interface Replacement Kit
- 117818** Key, EasyKey Controller
- 15D979** Fuse, 0.4 Amp, Quick Acting
- 223547** Ground Wire
- 114228** Air Filter Element, 5 micron
- 197902** EasyKey Display Paint Shield
- 114788** Fuse, 2.0 Amp, Time Lag

# PrecisionMix II<sup>™</sup>

# PrecisionMix II 3K<sup>™</sup>

EASY TO USE AND OPERATE

## Technical Specifications

PrecisionMix II Mix Ratio Range	0.6 to 30:1*
PrecisionMix II 3K Mix Ratio Range	0.6 to 25:1 (A:B)*
	0.6 to 25:1 (C:B)*
PrecisionMix II Mix Ratio Tolerance Range	1% minimum (user selectable)
PrecisionMix II 3K Ratio Tolerance Range	1% minimum (user selectable)
	C:B ratio must be within 15 parts of the A:B ration
Minimum Flow Rate	75 cc/minute with G3000 meter
	Using appropriate accessory meters can enable system for flow rates as low as 10 cc/minute
Maximum Flow Rate	2000 cc/minute with G3000 meter
	To 4000 cc/minute with lessor resolution meter options
With Flow Control:	100 to 2000 cc/minute*
Maximum Fluid Working Pressure	
Basic Fluid Panel	21 MPa, 210 bar (3000 psi)
With High Pressure Colour Change	21 MPa, 210 bar (3000 psi)
With Low Pressure Colour Change	2.1 MPa, 21 bar (300 psi)
With Robo-Mix Fluid Panel	1.3 MPa, 13 bar (190 psi)
With Flow Control	1.7 MPa, 17 bar (250 psi)
Air Supply Pressure Range	550–900 kPa, 5.5–9 bar (80–125 psi)
	Filtration required for atomizing air quality desired
Fluid Filtration Required	100 mesh (149 micron) minimum
Viscosity Range of Fluid	20 to 3000 cps with G3000 meters
	Heavier viscosities can be proportioned with use of optional meters and hardware
Wetted Parts	
Meters and Fluid Panels	303, 304, 17–4 stainless steel; tungsten carbide (with nickel binder), Chemraz, PTFE, CV75
Maximum Power Requirement	125 watts
Power Supply Voltage Range	
120 Vac nominal	85–164 VAC, 50–60 Hz, single phase
220 Vac nominal	165–265 VAC, 50–60 Hz, single phase
Operating Temperature Range	
Controller	4 –50° C
Fluid Panel	4 –82° C
Communications	
Printer	RS–232
Network/PC	RS–485
Communication Protocol	Modbus

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\* Material and application dependent

# Technical Specifications

## Cable Lengths

Controller to Fluid Panel	
Standard	15.2 m
Maximum	45.75 m
Controller to Booth Control	
Standard	30.5 m
Maximum	45.75 m
Controller to Gun Flush Box	
Standard	30.5 m
Maximum	45.75 m
Controller to Flow Control I/P and Meters	
Standard	30.5 m
Maximum	45.75 m
Controller to Remote Operator Interface	
Standard	15.2 m
Maximum	15.2 m
Run Screen Monitor	
Standard	30.5 m
Maximum	45.75 m
Printer Cable	
Standard	3.05 m
Maximum	15.2 m

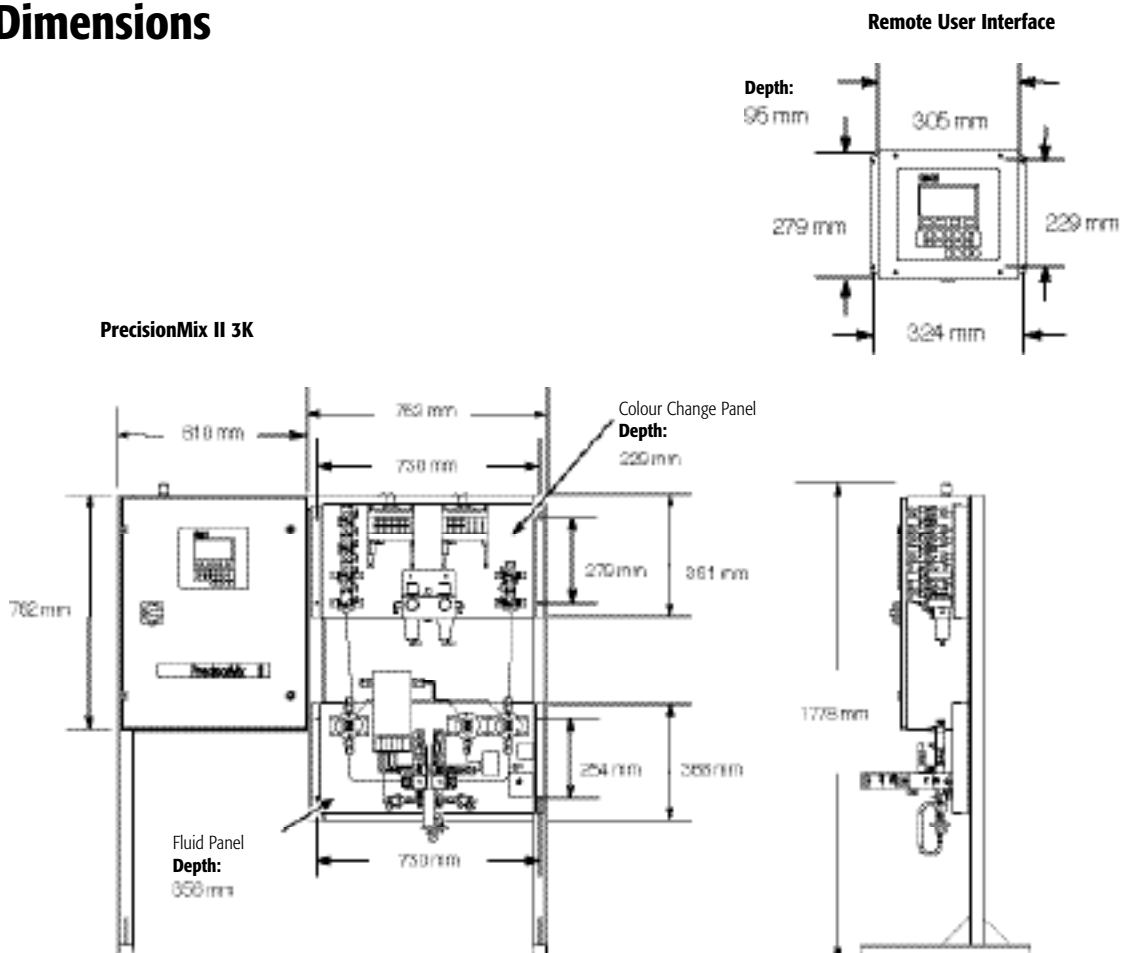
## Network Cable

Minimum	none
Total cable maximum length	1220 m
Maximum Number of Meter Inputs	4
Maximum Number of Colours	
PrecisionMix II	12
PrecisionMix II 3K	10
Maximum Number of Catalysts	3
Maximum Number of Reducers	
PrecisionMix II 3K	3
Maximum Number of Recipes	63
Maximum Number of Systems/Network	32

## Flow Control

Operating Flow Rate Range	100–2000 cc/minute
Maximum Turndown	8 times
	Example: 100 cc to 800 cc/minute
	200 cc to 1600 cc/minute
Analog Input Signal	0–20 mA
Current Output Signal	0–20 mA
Maximize I/P Override	24 VDC discrete
Maximum Fluid Output Pressure	(48 kPa, 0.5 bar) 7 psi
Minimum Fluid Back Pressure	(0.7 MPa, 7 bar) 100 psi

# Dimensions



## ABOUT GRACO

### PROVEN QUALITY. LEADING TECHNOLOGY.

Founded in 1926, Graco is among the leading group 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 first-class customer service. Working closely with qualified distributors, Graco offers systems, products and technology which set quality standards 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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Graco is certified ISO 9001.



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