



First choice when quality counts.™

PrecisionMix®

Plural Component Proportioning Controller

PACKAGES

- **Accurate**
- **Reliable**
- **Easy to use**



**Mix ratio
reliability for
critical plural
component
applications**

Graco's PrecisionMix utilizes a reliable and advanced technology available to control the mix ratio of plural component fluids in a wide variety of applications. Yet, it is so simple to understand that production personnel can manage its operation without technical support.

A hand held pendant provides access to all adjustments needed and allows the operator to monitor the performance of PrecisionMix.

Accurate positive displacement fluid meters control the proportioning of the fluids for high reliability. While other systems may use similar meters to check mix ratio performance, they control actual proportioning by using much less reliable technology.

PrecisionMix automatically adjusts to maintain mix ratio within the selected tolerance. If the mix ratio cannot be maintained within the tolerance, delivery of fluid is stopped and an alarm message is issued.

Consider the cost to your operation when your method of controlling mix ratio fails – rework, scrap, missed deliveries, warranty claims, etc. The most reliable mix ratio controller available may be your least expensive option – PrecisionMix!

Typical Industries

- Automotive
- Auto Feeder
- Rail & Marine
- Farm & Construction
- Wood
- Bus & Truck

Technical Specifications

Mix ratio range	1:1 to 30:1
Mix ratio tolerance range	down to 1% (user selectable)
Minimum flow rate	30 cc/minute
Maximum flow rate	2000 cc/minute
Max. fluid pressure	2000 psi (14 MPa, 138 bar)
Electrical requirement	110 VAC, 60 Hz, single phase
Compressed air requirement	60-100 psi (0.4-0.7 MPa, 4-7 bar)
Communications port	RS-232C
Dimensions	
Control panel	24 in. x 20 in. x 10.5 in. (609 mm x 508 mm x 267 mm)
Solenoid panel	12 in. x 12 in. x 7 in. (305 mm x 305 mm x 178 mm)
Fluid manifold panel	30 in. x 14 in. x 17 in. (761 mm x 355 mm x 431 mm)
Cable lengths	
Control panel to solenoid panel	15 ft. (4.6 m) standard 200 ft. (61 m) maximum
Control panel to fluid manifold panel	15 ft. (4.6 m) standard 200 ft. (61 m) maximum
Solenoid panel to fluid manifold panel	2 ft. (0.6 m) maximum
Wetted materials	SST, Teflon®, CV75
Instruction manual	684-029

Teflon® is a registered trademark of Du Pont.

Ordering Information

Contact your Graco distributor for further information on ordering a PrecisionMix system.

System Integration

Graco will design and manufacture complete plural component delivery systems using PrecisionMix for ratio control. Available system enhancements include:

- **Closed loop flow control** – allows the delivery of blended fluid to be selected at a constant rate, or controlled in relation to a process parameter such as line, speed, robot speed, etc.
- **Temperature control** – heated tanks, in-line fluid heaters, heated hoses, etc., can be incorporated to maintain temperature/viscosity.
- **Host computer interface** – communications port can be upgraded to an RS-422/485 serial port for data collection from PrecisionMix.
- **Hazardous environments** – PrecisionMix can be configured for use in hazardous locations as defined in article 500 of the National Electric Code (USA).