

PR70™

Meter, Mix and Dispense Systems



PR70. Performance You Can Trust



Reliable meter, mix and dispense systems

Graco PR70™ Meter, Mix and Dispense Systems offer superior accuracy for a broad range of applications including bonding and sealing, potting, gasketing, encapsulation and syringe filling.

Handles most two-component materials

- Stainless steel design reduces the chance of a material incompatibility
- Positive displacement pumps deliver ratio accuracy to ±1%
- Linear transducer monitors piston velocity to provide ratio assurance, and reduce scrap and re-work
- Shot size ranges from 2 to 70 cc's
- Ratio range from 1:1 to 24:1 with variable drive

Rugged, reliable and durable

- Long-lasting wear parts mean lower cost of ownership
- · Cast pump bodies for improved seal alignment
- Chromex[™] shafts and Severe Duty[™] cylinders combined with stainless steel fittings provide long pump life with no corrosion
- · Shaft seals designed for extended life and easy replacement
- Preventive maintenance counter to plan system rebuilds around your production schedule
- Linear thrust bearings eliminate side loading to maximize seal life and performance

Ease of operation and less downtime

- Standard electronic controls allow for digital shot entry in grams (PR70 and PR70v™ only)
- Built-in, easy to set up purge timer keeps system up and production running (PR70 and PR70v only)
- Graco Control Architecture modules, with built-in diagnostics allow for quick troubleshooting
- Modular design eliminates point-to-point wiring a quick board change-out gets your system up and running

Key Industries

- · Product assembly
- Automotive components
- Automotive electronics
- Consumer electronics
- Medical
- Sporting goods
- Appliance

PR70v with Accumulators

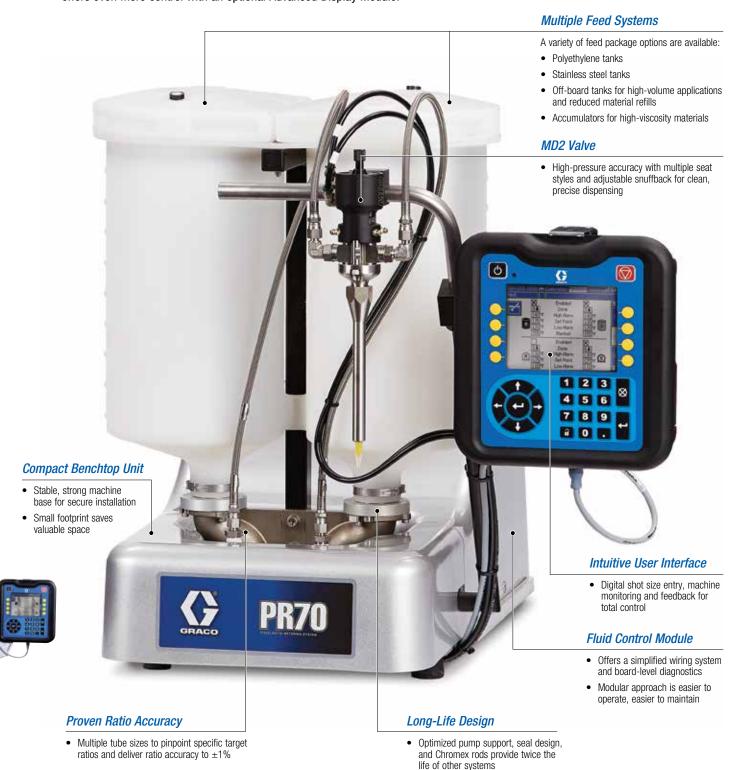
PR70v offers flexibility with variable ratio dispensing



Technology You Can Count On

Graco reliability. Industry-proven accuracy. Intuitive design.

The PR70 fixed ratio system accurately meters, mixes and dispenses two-component medium to low-viscosity materials for potting, gasketing, sealing, encapsulation and syringe filling. For variable ratio dispensing, the PR70v handles ratios from 1:1 to 24:1 and offers even more control with an optional Advanced Display Module.



PR70e. Reliable Dispensing at an Affordable Price

Easy to use, entry-level system.

If you are looking for a basic meter, mix and dispense system, the PR70e is the ideal model for you. It offers reliable and accurate performance, yet at a lower initial investment than the PR70 or PR70v.



 Multiple tube sizes to pinpoint specific target ratios and deliver ratio accuracy to ±1% Optimized pump support, seal design, and Chromex rods provide twice the life of existing systems

Superior Tracking and Monitoring Capabilities

Graco Control Architecture

PR70 and PR70v Dispense Systems feature intuitive user interfaces based on the Graco Control Architecture, a modular system of processing and control components. Products using the Graco Control Architecture provide similar interface functionality across your plant and simplify training. Maintenance and service is easier too, thanks to built-in troubleshooting tools and simple, modular part replacement.

Advanced Display Module

When you upgrade to the Advanced Display Module, you gain extra capabilities that allow you to accomplish more in your production area. The Advanced Display Module enables expanded features including:

- · Recirculation capability
- Programmable shot sizes and sequencing up to 50 different shot sizes and seven sequences
- Integrated heater control
- Large, bright color screen makes the system easier to see and use
- Key pad entry makes it easy to program and reduces operator training time



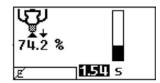
Recirc Mode option prevents materials from setting overnight



Set-up screen gives users easy access heat options

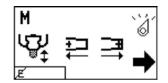
Local Control Module (PR70e only)

- Simple system electronic controls with diagnostics
- LCD graphical interface saves time by enabling accurate shot size programming
- Automatic alarms notify you when pumps need attention



Operation Screen

Shot size is displayed as a percentage of stroke length, duration of shot and progress bar.



Maintenance Mode Screen

Allows trouble shooting and easy maintenance through manual operation of system





PR70 System Comparisons

		PR70e with LCM	PR70 with DM	PR70 with ADM	PR70v with ADM
System	Configured system?	No	Yes	Yes	Yes
Ratios	Fixed Ratio Variable Ratio	1:1 to 12:1 NA	1:1 to 12:1 NA	1:1 to 12:1 NA	NA 1:1 to 24:1
	Number of shots	1	5	50	50
	Shots Based on Percentage of stroke	Yes	No	No	No
Shots	Weight Based Shots	No	Yes	Yes	Yes
	Multi-stroke shots (over 100%)	No	Yes	Yes	Yes
	Shot Sequencing	No	Optional	Yes	Yes
Manitarina	Pressure Monitoring No Optional Op	Optional	Optional		
Monitoring	Ratio Monitoring	No	Optional	Optional	Optional
	Local Control Module (LCM)	Yes	No	No	No
Data Controls	Display Module (DM)	No	Yes	No	No
	Advanced Display Module (ADM)	No	Optional	Yes	Yes
	Gel Timer	No	Yes	Yes	Yes
	Run with Automation (PLC)	No	Yes	Yes	Yes
	USB Download	No	Optional	Yes	Yes

Available accessories and configurations

Valves	1:1 MD2 Valve 10:1 MD2 Valve	Optional Optional	Optional Optional	Optional Optional	Optional Optional
Hoses	2.5 ft (76 cm) Hoses 10 ft (3 m) Hoses 15 ft (4.6 m) Hoses	Accessory Accessory Accessory	Optional Optional Optional	Optional Optional Optional	Optional Optional Optional
	Plastic Tanks	Accessory	Optional	Optional	Optional
	On-Board Stainless Steel Tanks	Accessory	Optional	Optional	Optional
	1-1/2 NPT Flange Kit for bulk feed	Accessory	Optional	Optional	Optional
	Off-Board Stainless Steel Tanks	Accessory	Optional	Optional	Optional
	Heated Tanks	No	Optional	Optional	Optional
Tanks,	Agitation	Accessory	Optional	Optional	Optional
Accumulators,	Tank Level Sensors Low	No	Optional	Optional	Optional
Heated Equipment,	Tank Level Sensors High	No	No	Optional	Optional
Accessories	Accumulators	No	No	Optional	Optional
	Auto Refill	No	No	Optional	Optional
	Mixers & Shrouds	Accessory	Optional	Optional	Optional
	Valve Mounting	Accessory	Optional	Optional	Optional
	Incoming air shutoff & filter	Accessory	Standard	Standard	Standard
	Heated Hoses	No	No	Optional	Optional
	Recirculation	No	No	Optional	Optional

Optional items can be selected from the configurator and are factory installed. Accessories are ordered when you order the machine, but you assemble it onto the machine at your location.

Technical Specifications

Me	tering Pump Effective Area 0.124 – 1.49 in² (80 – 960 mm²) per si
Sm	all Air Cylinder Effective Area 7.07 in² (4560 mn
Lar	ge Air Cylinder Effective Area 15.9 in² (10260 mn
Ma	ximum Stroke Length
Mir	nimum Stroke Length
Vol	ume per Cycle
Pur	mp Cycles per 1L (.26 gal)
Rat	tios (fixed)
Rat	tios (variable)
Ma	ximum Fluid Working Pressure
Ma	ximum Air Input Pressure
Ma	ximum Cycle Rate
	ximum Operating Temperature
	50° C (120° F) UHMWPE pistons or PE tan
Air	Inlet Size
Pur	mp Fluid Outlet Size
	3/16 in (4.8 mm), 1/4 in (6.4 mm), 3/8 in (9.5 mm), 1/2 in (12.7 mm), 3/4 in (19.1 mm) hos
We	tted Parts 303/3 <mark>04, 17-4 PH, hard chrome, Chro</mark> mex™, carbide, chemical resistant 0-rings, PTFE, nylon, UHMWI
We	ight – PR70
	330 lb (150 kg) typical with two 60 l tan
We	ight – PR70v
	370 lb (168 kg) typical with two 60 l tan
We	ight – PR70e
Cor	mpressed Air
Ele	ctrical Power
	208–240V 50/60Hz 1 phase for heat – 10 kW ma
	120 or 240V 50/60Hz 1 phase for on-board agitator
	truction Manuals
	PR70 with Display Module Operation & Maintenance
	PR70/PR70v with Advanced Display Module
	PR70/PR70v Repair and Parts
	PR70/PR70v Feed System
	PR70v Integrated Heat
	PR70e Operation & Maintenance
	MD2 Valve Instructions and Parts



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.

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SALES/ DISTRIBUTION/ SERVICE

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