



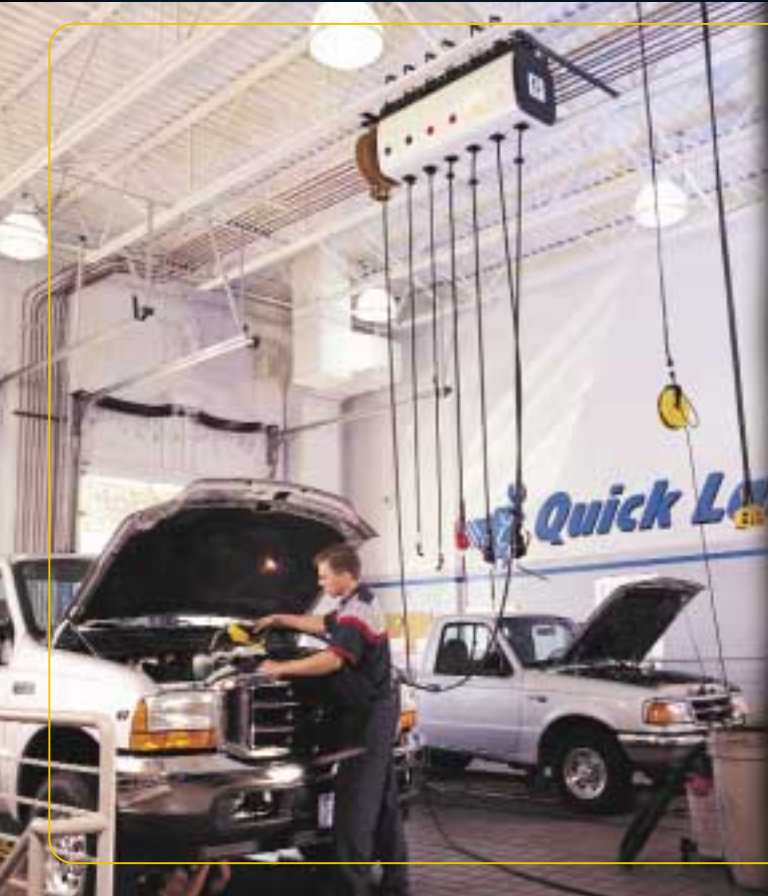
# LUBRICATION EQUIPMENT

Product Overview and Selection Guide  
for the Lubrication Professional



LUBRICATION

PROVEN QUALITY. LEADING TECHNOLOGY.



## More Than 75 Years in the Lubrication Business

Since 1926, Graco has been a leading manufacturer of equipment for the lubrication professional. Our oil and grease pumps; dispensing valves and meters; hose reels; used-oil equipment and fluid management systems are the industry standard and the first choice for the most demanding applications. Backed by over 75 years of experience, our Lubrication Equipment Division is at the heart of a company now approaching \$500 million in sales.

What makes our lubrication equipment so special? Reliable performance day after day in the most demanding environment and our ability to meet job requirements with high-quality equipment. These benefits, paired with our industry leading customer support team and product availability, are the keys to our reputation and continued success.

### INDUSTRY LEADING DISTRIBUTION NETWORK

As partners in the lubrication business for over 75 years, our knowledgeable worldwide distribution network provides easy access to professionals who understand the unique needs of your business and who are able to recommend the equipment that best fits your application.

### STATE-OF-THE-ART FACILITIES

Graco's 925,000 sq ft of manufacturing facility and Distribution Center with state-of-the-art equipment provide quality product second-to-none and ensure you'll get the equipment you need when you need it.

### RESEARCH & DEVELOPMENT

Graco is dedicated to 'finding the future' in products and services. Graco invests 15 – 20 million dollars in product research and development each year to offer you product with a competitive edge.

### ISO-9001 CERTIFICATION

In 1993, Graco achieved its ISO-9001 Certification.

### CUSTOMER SERVICE

Leading the industry with "total customer support", the Graco Lubrication Equipment Division offers you a dedicated Customer Support Team throughout the world.

# Meters and Valves



## Accuracy and Control

### Meters

Graco manufactures a wide range of durable meters ideal for fleet maintenance, automotive service centers and other applications where rigorous daily routines demand rugged, accurate dispensing of motor oils, hydraulic fluids, ATF, specialty lubricants and anti-freeze. Maximum recommended flow rates range from 5 gpm (18.9 lpm) to 12 gpm (45.4 lpm). For metering grease, Graco offers the Accu-Shot metered grease valve with a flow rate up to 35.3 oz/min (1000 g/min).

### Valves

Graco valves are among the most important tools in the shop. The V5 and V12 non-metered valves are designed for dispensing oils, ATF, specialty lubricants, and anti-freeze. The Pro-Shot™, Power-Shot™, EZ-Shot battery powered grease gun and dispense valves offer rugged, dependable dispensing of grease.

## METERS

### OIL METERS



### GREASE METER



## VALVES



# Hose Reels



## The Critical Connection

Even with the best pumps, productivity can be undermined by a substandard reel. Proper matching is essential to maximize pump and meter efficiency. That's why we put the same level of craftsmanship into our hose reels as we do in our other lubrication equipment. We offer a wide range of hose reels capable of handling lubricant oils, grease, air/water, windshield wash or anti-freeze.

**250 Series Hose Reel:** Holds up to 25 ft (7.62 m) of 1/2 in (1.27 cm) hose and can be used as either an open or enclosed reel. Heavy-duty spring, bearings and latch bolster reel life. Factory-installed hose stays flexible even under pressure.

**350 Series Hose Reel:** Able to handle up to 50 ft (15.24 m) of 1/2 in (1.27 cm) hose to extend coverage area. Includes multi-position hose guide for overhead mounting applications.

**500 Series Hose Reel:** Dual-arm design handles up to 50 ft (15.24 m) of 1/2 in (1.27 cm) hose and includes permanently-lubricated bearings for positive recoil and long life. Multi-position roller guide offers superior service in any mounting position.

**700 Series Hose Reel:** Dual-arm design handles up to 75 ft (22.86 m) of 3/4 in (1.91 cm) hose. Equipped with heavy-duty ball bearings that outlast sleeved-type bearings. Easy rewind requires minimal hose guidance.

**750 Series Hose Reel:** Heavy-duty, high volume reel handles up to 50 ft (15.2 m) of 1.25 or 1.5 in (3.2 or 3.8 cm) hose. Maintains desired length of hose and assures positive latch and rewind. Ideal for fuel dispense.



**250 Series**



**350 Series**



**500 Series**



**700 Series**



**750 Series**

# Pumps

## The 'Heart' of Your System

For pumping oils and greases, it's tough to beat these Graco pumps. Simply put, when you use a Graco pump, you're looking forward to years of reliable service from the leader in lubrication equipment.

The Fire-Ball pump has been the 'crown jewel' of Graco since the 1950s, and is the pump of choice in the most demanding environments.

**Fast-Ball®:** Ideal for transfer of oils or ATF, the 1:1 Fast-Ball's in-line design features fewer parts for minimal pump wear.

**Falcon™:** Available in 3:1 or 50:1 ratios, the Falcon's non-corrosive air motor design ensures long life.

**Fire-Ball®:** The pump that set the industry standard comes in ratios of 5:1, 15:1 and 50:1. No metal-to-metal contact design makes the Fire-Ball perfect for demanding high volume applications.

**President®:** The widest array of ratios (3:1, 6:1, 10:1, 50:1 and 75:1) and a robust design make the President the pump of choice for your most demanding high volume applications.

**Diaphragm Pumps:** Ideal for a variety of applications from oil transfer and used oil to windshield wash and anti-freeze. Graco offers diaphragm pumps ranging in size from 3/8 in (9.5 mm) to 3 in (76.2 mm).



**Fast-Ball**



**Falcon**



**Fire-Ball**



**President**



**Diaphragm Pump**

# Fluid Management

## Matrix: Wireless Total Fluid Management System

Larger operations require a comprehensive fluid management system to minimize material waste and labor time, and accelerate service cycles.

The Matrix™ Total Fluid Management System™ provides the ultimate wireless metering, tracking and delivery system for dispensing and inventorying oil, gear lube, anti-freeze and transmission fluids. It provides simple tracking of all fluids dispensed with the Matrix system, records transactions and inventory levels, and offers multi-level security.

The patented Matrix system features simple-to-install system software, state-of-the-art electronic meters and Tank Level Monitors that track the amount of bulk fluids in storage tanks. The meters and monitors wirelessly transmit their information to a transceiver connected to a PC.



*Matrix Meter*



*Tank Level Monitor*



*Software*



*Transceiver*

## Used Oil Equipment

Facilities that collect large quantities of used oil need to handle it with minimal mess and labor. With the Big Hauler™, Oil Ace™ and Oil King™ Used Oil Receivers, you'll be able drain, evacuate, and transfer used oil (and other used fluids) reliably, quickly, and in the most cost effective manner. Graco Air-Operated Double-Diaphragm pumps are also available to effectively manage other fluids. Graco equipment will help you service vehicles quickly with minimal time and labor costs.



# Technical Specifications and Ordering Information

## Meters and Valves

### EM5™ Electronic Meter Specifications

Flow range	0.26 to 5 gpm (1 to 18.9 lpm)
Operating pressure range for motor oil units	45 to 1000 psi (3.1 to 70 bar, 0.31 to 7 MPa)
Weight	2.5 lb (1.14 kg)
Units of measurement	pints, quarts, gallons or liters
Inlet	1/2 npt
Outlet	3/8 npt
Operating temperature range	32 to 120°F (0 to 48.8°C)
Battery	9-volt alkaline
Wetted parts	zinc, 304 SST, Zenite®, CS, polyurethane, nitrile rubber
Fluid compatibility	lubricating oils, anti-freeze mixtures
Accuracy	±0.5%

### EM5 Electronic Meter with Rigid Extension

238461	U.S. measure
238464	Metric measure
238457	Canadian Weights & Measures Approved (available in Canada only)

### EM5 Electronic Meter with Flexible Extension

238462	U.S. measure
238465	Metric measure
238458	Canadian Weights & Measures Approved (available in Canada only)

### EM5 Electronic Meter with Gear Lube Extension (15° Bend with 90° Elbow)

238463	U.S. measure
238466	Metric measure
238459	Canadian Weights & Measures Approved (available in Canada only)

### PM5™ Electronic Pre-Set Meter Specifications

Flow range	0.26 to 5 gpm (1 to 18.9 lpm)
Operating pressure range	45 to 1000 psi (2.9 to 70 bar; 0.29 to 7 MPa)
Weight	3.0 lb (1.36 kg)
Units of measurement	pints, quarts, gallons or liters
Inlet	1/2 npt
Outlet	3/8 npt
Operating temperature range	32 to 120°F (0 to 48.8°C)
Battery	9-volt alkaline
Wetted parts	zinc, 304 SST, Zenite, CS, polyurethane, nitrile rubber
Fluid compatibility	lubricating oils, anti-freeze mixtures
Accuracy	±0.5%

### PM5 Electronic Pre-Set Meter, Rigid Extension

238511	U.S. measure
238513	Metric measure

### PM5 Electronic Pre-Set Meter, Flexible Extension

238512	U.S. measure
238514	Metric measure

### PM5 Electronic Pre-Set Meter, Off-set Extension (15° Bend with 90° Elbow)

238515	U.S. measure
238516	Metric measure

### EM6™ Electronic Meter Specifications

Maximum recommended flow rate	.6 gpm (23 lpm)
Maximum operating pressure	1500 psi (103 bar; 10.3 MPa)
Operating temperature range	-40° to 180°F (-40° to 82°C)
Inlet	1/2 npt
Outlet	1/2 npt
Wetted parts	aluminum, SST, CS, acetal, nitrile rubber, Geolast™
Fluid compatibility	lubricating oils

243599	U.S. measure (rigid extension)
243600	U.S. measure (gear lube extension)
243601	U.S. measure (flexible extension)
243602	Metric measure (rigid extension)
243603	Metric measure (gear lube extension)
243604	Metric measure (flexible extension)
243992	1/2 in (12.7 mm) bare valve (without locking trigger)

# Technical Specifications and Ordering Information

## Meters and Valves (continued)

### EM12™ Electronic Meter Specifications

Maximum recommended flow rate	.12 gpm (45.4 lpm)
Maximum operating pressure	1500 psi (103 bar; 10.3 MPa)
Operating temperature range	-40° to 180°F (-40° to 82°C)
Inlet	.1/2 npt and 3/4 npt
Outlet	.1/2 npt
Wetted parts	aluminum, SST, CS, acetal, nitrile rubber, Geolast™

### EM12™ Electronic Meter Ordering Information

3/4 npt(f) swivel inlet with:	
238636	U.S. measure 1/2 in (12.7 mm) rigid extension
238637	U.S. measure 1/2 in (12.7 mm) flexible extension
3/4 npt(f) swivel inlet with:	
238638	Metric measure 1/2 in (12.7 mm) rigid extension
238639	Metric measure 1/2 in (12.7 mm) flexible extension
1/2 npt(f) swivel inlet with:	
238640	U.S. measure 1/2 in (12.7 mm) rigid extension
238641	U.S. measure 1/2 in (12.7 mm) flexible extension
1/2 npt(f) swivel inlet with:	
238642	Metric measure 1/2 in (12.7 mm) rigid extension
238643	Metric measure 1/2 in (12.7 mm) flexible extension
Bare Valves (No meter or extension)	
With locking trigger and inline flow-through	
238647	1/2 npt(f) swivel inlet; 1/2 npt(f) outlet
238646	3/4 npt(f) swivel inlet; 1/2 npt(f) outlet

### Accu-Shot™ Electronic Meter Specifications

Dimensions	8.72 in L x 4.43 in H x 1.83 in W (221.5 mm L x 112.5 mm H x 46.5 mm W)
Weight	2.2 lbs (1 kg)
Inlet	1/4 npt(f)
Outlet	1/8 npt(f)
Maximum working pressure	5000 psi (345 bar, 34.5 MPa)
Max working temperature	140°F (60°C)
Flow rate	up to 35.3 oz/min (1000 g/min)
Accuracy	±3
Battery	2 x 1.5 v AA Alkaline (standard alkaline batteries)
Manual	309454

### Accu-Shot Electronic Grease Meter Ordering Information

233807	With battery and rigid extension
245694	With 50:1 Fireball, portable pail dispenser, 35 lbs (15.88 kg)
245695	With 50:1 Fireball, cart-mounted pail dispenser, 35 or 70 lbs (15.88 or 31.76 kg)
245696	With 50:1 fireball, portable package with two wheel cart, 120 lbs (54.43 kg)

### EZ-Shot™ Grease Gun Specifications

Dimensions	21.6 in L x 17.0 in H x 2.8 in W (54.9 mm L x 43.2 mm H x 7.1 mm W)
Weight	2.2 lbs (1 kg)
Maximum working pressure	2900 psi (200 bar, 20 MPa)
Max working temperature	32°F to 122°F (0°C to 50°C)
Dispense quantity	1 cc grease per stroke
Grease capacity	400 g (14 oz) standard cartridge 500 g (16 oz) bulk grease
Battery	7.2 V Ni-Cd
Manual	309446

### EZ-Shot Grease Gun Ordering Information

233808	With 20 in (50.8 cm) flexible extension, rechargeable battery and battery charger
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### Pro-Shot™ Grease Dispense Valve

242056	1/4 npt(f) inlet with coupler and extension #200389
242055	1/4 npt(f) inlet without coupler or extension
242058	3/8 npt(f) inlet with coupler and extension #200389
242057	3/8 npt(f) inlet without coupler or extension

### Z-Swivel

202577	1/4 npt(m) x 1/4 npt(f)
224569	3/8 npt(m) x 3/8 npt(f)
207948	1/2 npt(m) x 1/2 npt(f)

# Technical Specifications and Ordering Information

## Oil Pumps Quick Reference Matrix

Model Pump Ratio	16 Gal (60 liter) Cover Mt.	55 Gal (200 liter) Bung Mt.	55 Gal (200 liter) Cover Mt.	275 Gal (1040 liter) Bung Mt.	Air Motor Diameter	Max. Fluid Outlet Pressure psi (bar)	Air Operating Range psi (bar)	Free Flow Rate gpm (lpm)	Continuous Duty Flow Rate gpm (lpm)	Approx. Air Consumption @ 100 psi (7 bar, 0.7 MPa)	Maximum Line Length* ft (m)
Fast-Ball® 1:1	222051	N/A	222103	N/A	222104	1.4 in (356 mm)	180 (12.4)	40 to 180 (2.8 to 12.4)	10 (45.5)	4 to 5 (18.2 to 22.7)	7 cfm 100 (30.5)
Fast-Flo® UL-Approved 1:1	226944	N/A	226941	N/A	N/A	1.4 in (356 mm)	180 (12.4)	40 to 180 (2.8 to 12.4)	10 (45.5)	4 to 5 (18.2 to 22.7)	7 cfm 100 (30.5)
Fast-Flo® Stainless Steel; UL-Approved 1:1	226945	N/A	226942	N/A	N/A	1.4 in (356 mm)	180 (12.4)	40 to 180 (2.8 to 12.4)	10 (45.5)	4 to 5 (18.2 to 22.7)	7 cfm 100 (30.5)
Falcon™ 3:1	244047	244048	244049	244050	244051	2.93 in (74.4 mm)	450 (31)	40 to 150 (2.8 to 10.4)	9 (40.9)	2 to 3 (9.1 to 13.6)	15 cfm 250 (76.2)
Fire-Ball® 5:1	203876	203872	204254	203857	222087	3.0 in (76.2 mm)	900 (62)	40 to 180 (2.8 to 12.4)	11 (50)	2 to 3 (9.1 to 13.6)	18 cfm 500 (152.5)
President® 3:1	237526	N/A	N/A	N/A	N/A	4.25 in (107.9 mm)	540 (37)	40 to 180 (2.8 to 12.4)	32 (145.5)	12 (54.5)	40 cfm 250 (76.2)
6:1	238108	N/A	N/A	N/A	N/A	4.25 in (107.9 mm)	1100 (76)	40 to 180 (2.8 to 12.4)	16 (72.7)	6 (27.3)	40 cfm 500 (152.5)
10:1	205626	N/A	222095	222065	N/A	4.25 in (107.9 mm)	1800 (124)	40 to 180 (2.8 to 12.4)	12 (54.5)	3 to 4 (13.6 to 18.2)	40 cfm 750 (228.6)

\*Distance may vary depending on line diameter and fluid viscosity

## Grease Pumps Quick Reference Matrix

Model Pump Ratio	35 lb (16 kg)	120 lb (55 kg)	400 lb (180 kg)	Max. Fluid Outlet Pressure psi (bar)	Air Operating Range psi (bar)	Air Motor Diameter	Continuous Duty Flow Rate	Approx. Air Consumption @ 100 psi (7 bar, 0.7 MPa)	Maximum Line Length*	Simultaneous Dispense Points	Maximum Annual Usage Lbs (kg)
Falcon™ 50:1	244044	244045	244046	7500 (517)	40-150 (2.8-10.4)	2.93 in (74.4 mm)	1.8 lb/min (.82 kg/min)	15 cfm	100 ft (30.5 m)	1	5000 (2300)
Fire-Ball® 50:1	239877	239887	239888	8400 (579)	30-140 (2.1-9.7)	3 in (76.2 mm)	1.8 lb/min (.82 kg/min)	23 cfm	250 ft (76.2 m)	1-2	10,000 (4500)
President® 50:1	N/A	205394	205395	7500 (517)	40-180 (2.8-12.4)	4.25 in (107 mm)	4.4 lb/min (2 kg/min)	19 cfm	500 ft (152.4 m)	4+	20,000+ (9100+)
75:1	239731	239729	239730	7500 (517)	40-100 (2.8-7.0)	4.25 in (107 mm)	2.9 lb/min (1.3 kg/min)	26 cfm	500 ft (152.4 m)	4+	15,000+ (6800+)

\*Distance may vary depending on line diameter and fluid viscosity

## Stationary Grease Pump Packages

	Falcon 50:1*	Fire-Ball 50:1*	President 50:1*	President 75:1*
120 lb	244082	225014	223108	244635
400 lb	244084	225016	225781	244636

\*Units include cover, follower plate, connection hoses (fluid and air) and pump

## Portable Grease Pump Packages

	Falcon 50:1*	Fire-Ball 50:1*
120 lb (Dolly)	244100	225006
400 lb (2-Wheel Cart)	244101	225026

\*Units include pump, dispense hose, Z-swivel, grease valve, cover, follower plate, dolly or cart

## Used Oil Equipment

Description	Part Number	Capacity Gallons (liters)
Oil King™	238866	25 (95)
Oil Ace™	115599	24 (90)
Used Oil Receiver w/drum	239301	16 (60)
Big Hauler™	244055	26 (98)

## Used Oil Evacuation Packages with Air-Operated Diaphragm Pumps (for use with the above used oil equipment)

222090	1 in (25.4 mm) Double Diaphragm Wall Mount Package
224873	3/4 in (19.05 mm) Double Diaphragm Wall Mount Package

# Technical Specifications and Ordering Information

## Diaphragm Pumps Quick Reference Matrix

Body/Diaphragm Description	Part Number	Ratio	Max Air psi (bar; MPa)	Free Flow Rate gpm (lpm)	Air Consumption SCFM	Fluid Inlet/Outlet NPT	Fluids
<b>307 3/8 in (9.52 mm)</b> Acetal/Hytrel	D31255	1:1	100 (7; 0.7)	7 (31.8)	7	3/8	OT, WA, WW
<b>515/716 3/4 in (19.05 mm)</b> Aluminum/Buna-N	241906	1:1	100 (7; 0.7)	16 (60.6)	28	3/4	OT, OE, WA, WW
Acetal/Buna Dual Inlet	243669	1:1	100 (7; 0.7)	16 (60.6)	28	3/4	50/50 WW, WA
<b>1040 1 in (25.4 mm)</b> Aluminum/Hytrel	D73525	1:1	120 (8.3; 0.8)	40 (151.4)	40	1	OT, WA, OE, WW
Aluminum/Hytrel (UL)	236265	1:1	120 (8.3; 0.8)	40 (151.4)	40	1	OE, FT, WW
Aluminum/Viton (UL)	236266	1:1	120 (8.3; 0.8)	40 (151.4)	40	1	OE, FT
(1) Aluminum/Hytrel (UL)	236267	1:1	50 (3.4; 0.3)	20 (75.7)	20	1	FD
(2) Aluminum/Viton (UL)	236268	1:1	50 (3.4; 0.3)	20 (75.7)	20	1	FD
<b>1590 1-1/2 in (38.1 mm)</b> Aluminum/Hytrel	DB3525	1:1	120 (8.3; 0.8)	90 (341.0)	90	1-1/2	OT, OE
<b>2150 2 in (50.8 mm)</b> Aluminum/Hytrel	DF3525	1:1	120 (8.3; 0.8)	150 (567.6)	175	2	OT, OE
<b>3275 3 in (76.2 mm)</b> Aluminum/Hytrel	DK3525	1:1	120 (8.3; 0.8)	275 (1,041.0)	325	3	OT, OE

(1) For use with leaded fuel  
(2) For use with unleaded fuel

<p><i>Fluid Key</i>  OT = Oil Transfer  OE = Oil Evacuation  WA = Water, Anti-Freeze  FD = Fuel Dispense  FT = Fuel Transfer  WW = Windshield Wash</p>
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## Matrix\*

### Matrix Meter

#### Technical Specification

Maximum working fluid pressure ..... 1600 psi (11.0 MPa, 110 bar)  
Operating pressure range ..... 70 to 1600 psi  
(4.8 to 110 bar, .48 to 11.0 MPa)  
Flow range ..... 0.26 to 5 gpm (1 to 18.9 lpm)  
Units of measurement ..... user selectable, pints, quarts, gallons or liters  
maximum recorded dispensed volume = 999.99 units  
maximum preset volume = 99.9 units  
Wireless Communication ..... 915.2 MHz  
Instruction manual ..... 309497

### Matrix Meter

#### Ordering Information

246008 Matrix Meter  
(extension sold separately)  
246005 Rigid Extension  
246007 Flexible Extension  
246006 Gear Lube Extension

### Software System

#### Operating Requirements

The Matrix Software Setup program decompresses and copies the Matrix Software program and other files to the hard disk. Before using the software and components in production, the system administrator must first set up the system administrator function of the program.

This software is not compatible with Apple™ Computers, and is not available for the Apple™ Operating system.

To use this software the following minimum computer requirements are recommended:

- A stand-alone IBM PC or compatible, with a Pentium III, 500 MHz processor.
- Microsoft Internet Explorer 5.5.
- Microsoft Windows 98/2000/ME/NT/XP.
- At least 128 megabytes (MB) of random-access memory (RAM).
- At least 75 megabytes (MB) of hard disk space.
- One serial port available.
- Instruction manual: 309501

\*For more information about Matrix, refer to 300599 or visit [www.graco.com/matrix](http://www.graco.com/matrix).

### Transceiver, Repeater and Wall-Buster

#### Ordering Information

117256 PC Transceiver (includes operating system software)  
117257 Repeater  
117258 Wall-Buster\*\*  
\*\*Cables ordered separately

### Tank Level Monitor

#### Ordering Information

117267 Tank Level Monitor

### Battery Charger and Batteries

#### Ordering Information

117427 Single Charger  
117429 4-Bay Charger  
117435 Extension Unit (used only with 117429 4-bay charger)  
117310 Extra Battery Pack

# Technical Specifications and Ordering Information

## Hose Reels

### 250 Series

	Low-Pressure	Medium-Pressure	High-Pressure
Inlet	1/2 npsm(m)	1/2 npsm(m)	3/8 npsm(m)
Outlet	1/2 npsm(f)	1/2 npsm(f)	3/8 npsm(f)
Max Pressure (bare reel)	1800 psi (124 bar; 12.4 MPa)	1800 psi (124 bar; 12.4 MPa)	8000 psi (552 bar; 55.2 MPa)
Bearings	brass	brass	brass
Wetted Parts	SST, brass, nitrile rubber	CS, brass, nitrile rubber	CS, brass, leather

### Low-Pressure Hose Reels (for air or water)

240957	Bare Hose Reel
240956*	With 1/2 in x 25 ft (12.7 mm x 7.6 m) hose
240958*	With 1/4 in x 40 ft (6.4 mm x 12.2 m) hose
240959*	With 3/8 in x 40 ft (9.5 mm x 12.2 m) hose

### Medium-Pressure Hose Reels (for motor oil and light lubricants)

240961	Bare Hose Reel
240962*	With 1/2 in x 16 ft (12.7 mm x 4.9 m) hose
240963*	With 1/2 in x 25 ft (12.7 mm x 7.6 m) hose

### High-Pressure Hose Reels (for grease)

240965	Bare Hose Reel
240966*	With 1/4 in x 20 ft (6.4 mm x 6.1 m) hose
240967*	With 1/4 in x 35 ft (6.4 mm x 10.6 m) hose

\*hose inlet kit included

### 350 Series

	Low-Pressure	Medium-Pressure	High-Pressure
Inlet	1/2 npsm(m)	1/2 npsm(m)	3/8 npsm(m)
Outlet	1/2 npts(f)	3/8 npt(f)	3/8 npsm(f)
Max pressure (bare reel)	180 psi (12.6 bar; 1.26 MPa)	1800 psi (126 bar; 12.6 MPa)	8000 psi (550 bar; 55 MPa)
Bearings	brass	brass	brass
Wetted parts	carbon steel, nitrile rubber, brass	carbon steel, nitrile rubber, brass	carbon steel, leather, brass

### Low-Pressure Hose Reels with Universal Hose Guide (for air or water)

238211	Hose reel with 3/8 in x 40 ft (9.5 mm x 12.2 m)
238213	Hose reel with 3/8 in x 60 ft (9.5 mm x 18.3 m)
243983	Hose reel with 1/2 in x 50 ft (12.7 mm x 15.3 m)

### Medium-Pressure Hose Reels with Universal Hose Guide (for motor oil and light lubricants)

237020	Bare Hose Reel
237021	With 1/2 in x 40 ft (12.7 mm x 12.2 m)
237022	With 1/2 in x 50 ft (12.7 mm x 15.3 m)
238209	With 5/8 in x 40 ft (15.9 mm x 12.2 m)

### High-Pressure Hose Reels (for grease)

237030	Bare Hose Reel
237031	With 1/4 in x 40 ft (6.4 mm x 12.2 m)
237032	With 1/4 in x 50 ft (6.4 mm x 15.3 m)
237033	With 3/8 in x 40 ft (9.5 mm x 12.2 m)
237034	With 3/8 in x 50 ft (9.5 mm x 15.3 m)

#### 350 and 500 Series Hose Inlet Kits

218549	1/2 in x 2 ft (2.7 mm x 0.6 m), 2000 psi (137.8 bar, 13.7 MPa)
218550	3/8 in x 2 ft (9.5 mm x 0.6 m), 4000 psi (275.6 bar, 27.5 MPa)
224417	1/4 in x 2 ft (6.3 mm x 0.6 m), 5000 psi (344.5 bar, 34.4 MPa)

## 500 Series

	Low- and Medium-Pressure	High-Pressure
Inlet	1/2 npsm(m)	3/8 npsm(m)
Outlet	1/2 npsm(f)	3/8 npsm(f)
Maximum pressure (bare reel)	1800 psi (124 bar; 12.4 MPa)	8000 psi (552 bar; 55.2 MPa)
Bearings	oil-impregnated bronze	oil-impregnated bronze
Wetted Parts	carbon steel, nitrile rubber, polyester elastomer	carbon steel, nitrile rubber, polyester elastomer

### Low-Pressure Hose Reels (for air or water)

224050	Bare Hose Reel
224059	With 3/8 in x 40 ft (9.5 mm x 12.2 m) hose
224051	With 3/8 in x 60 ft (9.5 mm x 18.3 m) hose
243982	With 1/2 in x 50 ft (12.7 mm x 15.3 m) hose

### Medium-Pressure Hose Reels (for motor oil and light lubricants)

224050	Bare Hose Reel
224057	With 1/2 in x 40 ft (12.7 mm x 12.2 m) hose
224058	With 1/2 in x 50 ft (12.7 mm x 15.3 m) hose

### High-Pressure Hose Reels (for grease)

224060	Bare Hose Reel
224053	With 1/4 in x 40 ft (6.4 mm x 12.2 m) hose
224055	With 1/4 in x 50 ft (6.4 mm x 15.3 m) hose
224054	With 3/8 in x 40 ft (9.5 mm x 12.2 m) hose
224056	With 3/8 in x 50 ft (9.5 mm x 15.3 m) hose

### Heavy-Duty Dual Hose Reel (for air and fluid) rated to 3000 psi (206 bar, 20.6 MPa)

206941	Dual Hose Reel (Bare Reel)
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## 700 Series

	Medium-Pressure
Inlet	1 npt(f)
Outlet	1 npt(f)
Max. pressure (bare reel)	1500 psi (103 bar; 10.3 MPa)
Bearings	self-aligning, sealed ball bearings (steel alloy)
Wetted Parts	carbon steel, Viton®

### Medium-Pressure Oil Dispense Reels rated to 1500 psi (103 bar; 10.3 MPa)

237728	Bare hose reel
237876	With 1/2 in x 65 ft (12.7 mm x 20 m) hose
237875	With 1/2 in x 75 ft (12.7 mm x 23 m) hose
237877	With 5/8 in x 75 ft (15.9 mm x 23 m) hose
237881	With 3/4 in x 50 ft (19.1 mm x 15 m) hose
237880	With 3/4 in x 65 ft (19.1 mm x 20 m) hose
237879	With 3/4 in x 75 ft (19.1 mm x 23 m) hose

### Medium-Pressure Oil Evacuation and Dispense Reels rated to 212 psi (14.6 bar; 1.46 MPa)

241909	Hose reel with 1 in x 30 ft (25.4 mm x 9 m) hose; 24 in (0.3 m) Hg vacuum
241910	Hose reel with 1 in x 50 ft (25.4 mm x 15 m) hose; 24 in (0.3 m) Hg vacuum

### Medium-Pressure Fuel Dispense Reels rated to 125 psi (8.6 bar; 0.86 MPa)

237884	Hose reel with 1 in x 50 ft (25.4 mm x 15 m) hose
206941	Dual Hose Reel (Bare Reel)

## 750 Series

	Medium-Pressure
Inlet	1-1/4 npt(f)
Outlet	1-1/2 npt(f)
Max. pressure (bare reel)	375 psi (26 bar; 2.6 MPa)
Working temperature	150°F (65°C)
Weight	125 lbs (57 kg)
Hose capacity (not included)	50 ft (15.2 m) x 1.25 in ID Hose or 50 ft (15.2 m) x 1.5 in ID Hose

### Medium-Pressure Hose Reels (for high volume applications)

245410	Bare Hose Reel
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## 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 specialized distributors, Graco offers systems, products and technology which set the quality standards in a wide range of fluid handling solutions. Graco provides equipment for lubrication, spray finishing, protective coating, paint circulation, 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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