



Dispense Meters and Valves

Fluid Dispensing Equipment for Vehicle Maintenance



PROVEN QUALITY. LEADING TECHNOLOGY.

Fluid dispense and management has never been easier!



Graco's new family of meters and dispense valves fit a wide range of needs from small repair shops to car dealerships, truck, fleet and off-road maintenance facilities.

- Complete meter and valve product line
- Higher pressure options for longer plumbing runs
- New features to improve your productivity
- Unmatched reliability and durability

Heavy-Duty Applications

- Mining equipment service shops
- Construction vehicle maintenance
- Off-road maintenance shops

Large Jobs

- Car and truck dealerships
- Fleet maintenance shops
- Public works garages
- Higher volume dispense in-plant



Small Jobs

- Smaller maintenance and repair shops
- Tire/muffler shops and smaller fast lubes
- Lower dispense volume in-plant



Meters and Non-metered Valves Selection

Product Selection

	Car Dealerships	Light/Medium-Duty Truck Dealers	Heavy-Duty Truck Dealers	Fleet Maintenance	Mining Maintenance	Public Works Garages	Construction Vehicle Maintenance	High Volume In-Plant	Small Maintenance Shops	Tire/Muffler Shops	Small Fast Lubes	Independent Repair Facilities	Lower Dispense Volume In-Plant
	•	•	•	•	•	•	•	•	•	•	•	•	•
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Markets

A Complete Line of Meters and Valves to Choose From

SD SERIES

Standard and heavier duty applications—Car/truck dealerships, fleets, mining, off-road, public works garages, construction, and higher volume in-plant applications

1500 psi (103 bar) maximum working pressure

Up to 14 gpm (53.0 lpm)

Indoor and outdoor use

Automatic nozzle with twist-lock and optional high volume nozzle

Variable flow control

Trigger guard standard

Up to three selectable presets (SDP5, SDP15)

Five year overall warranty, three year electronics warranty

LD SERIES

Lighter duty applications—Small maintenance shops, tire/muffler shops, fast-lubes, independent repair facilities, and lower volume in-plant applications

1000 psi (69 bar) maximum working pressure

Up to 5 gpm (18.9 lpm)

Indoor use only

Automatic nozzle only

On/off fluid control

Trigger guard is optional

No selectable presets

Two year warranty

SD Series Manual and Preset Meters

Manual Dispense Meter

- 1/2 in npt or 3/4 in npt inlets

Preset Dispense Meter

- Manual and preset options available
- Three default presets to allow quick dispense of common volumes
- Familiar locking trigger latch
- 1/2 in npt or 3/4 in npt inlets

Large LCD Display and Simple Operator Controls

- Adjusts for easy reading in all lighting conditions
- Easy and familiar navigation
- Calibration easily adjusts from keypad

Durable Cast Body

- Solid construction to stand up to harsh environments and provide years of trouble-free performance
- Durable cast trigger guard prevents accidental triggering

Fluid Inlet Screen

- Replaceable internal filter screen protects meter from contaminants
- Increased surface area reduces pressure drop

Fluid Swivel

- Fluid inlet options (1/2 in and 3/4 in npt)
- Meets standard and high-flow requirements

Fluid Inlet Boots

- A variety of colors to easily identify fluids

Balanced Triggering

- 4-finger pressure balanced triggering for superior comfort and ergonomics
- Trigger guard bumper helps prevent accidental vehicle damage during dispense

SDP5 Preset Model Shown

Engineered for Performance, Innovation and Reliability



Fluid Extension Kits

- Rigid and flexible extensions have automatic twist-lock nozzle or optional high-flow twist-lock only nozzle
- Opens and closes with less than a half turn!
- Flush-mount nozzle valve design prevents leaks and dirt contamination
- Designed for no leak performance

Long Battery Life

- Standard battery—no charging stations needed

New Gear Shape Design

- Improved accuracy in a wide range of flow rates and viscosities, compared to traditional metering technology

Trigger Lock

- Familiar locking trigger for longer dispenses (SDP5 and SDP15 preset models)

Technical Specifications

SD SERIES METERS

Flow range ⁽¹⁾	0.1 to 14 gpm (0.4 to 53 lpm)
Max. working pressure	1500 psi (103.4 bar)
Units of measure	Quarts, pints, gallons, liters (factory set to quarts)
Weight	5 lbs (2.3 kg)
Inlet	3/4 in – 14 npt or 1/2 in – 14 npt
Outlet	3/4 in – 16 straight thread O-ring boss
Maximum totalizer	999,999 gallons or liters
Max. recorded dispense	999.99 units
Max preset volume	999.9 units (SDP5 and SDP15)
Operating temperature	4°F to 158°F (-4°C to 70°C)
Storage temperature	-40°F to 158°F (-40°C to 70°C)

1. Tested in 10W oil at 70°F. Flow rates vary with fluid pressure, temperature, viscosity, inlet fitting and nozzle type.

Battery	4 AA alkaline or 4 AA lithium
Battery life ⁽³⁾	Preset Models – six months with alkaline Manual Models – one year with alkaline
Wetted parts	Aluminum, sst, pbt/pc, nitrile rubber, cs
Meter pressure loss ⁽¹⁾	80 psi @ 10 gpm
Accuracy ⁽²⁾	±0.5%
Dimensions (w/o extension)	13 in L x 3.75 in W x 5.75 in H (33cm x 9.5cm x 14.6cm)
Warranty	Five years non-electronics; three years electronics
Instruction manual	312865

2. At 2.5 gpm (9.5 lpm) @ 70°F (21°C) with 10 wt. oil and 1 gal (3.8) dispensed. May require re-calibration. Out-of-box accuracy ±1.25%.

3. Average shop use with alkaline batteries (included); 30-35% longer life with lithium AA.

SD Series Non-Metered Valves



SDV15 Non-Metered Valve

- Moves fluid up to 15 gpm (56.8 lpm) with high-flow nozzle
- Dispenses motor oils, transmission fluid, and anti-freeze
- Sturdy cast body designed for use in tough environments
- Lock-on trigger
- 1/2 in npt(f) inlet swivel

Technical Specifications

SDV15 VALVES

Maximum flow rate ⁽¹⁾	15 gpm (56.8 lpm) with high-flow nozzle
Maximum working pressure	1500 psi (103.4 bar)
Weight	0.4 lbs (0.18 kg)
Operating temperature range	-40°F to 180°F (-40°C to 82°C)
Inlet	1/2 in npt
Outlet size	3/4 in, 16 straight thread O-ring boss
Wetted parts	Aluminum, sst, cs, acetal, nitrile rubber, tpe
Warranty	Five years
Instruction manual	312789

1. Tested in 10W oil at 70°F. Flow rates vary with fluid pressure, temperature, viscosity, inlet fitting and nozzle type.

Engineered For Performance



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LD Series Manual and Preset Meters

LDM5 Manual Dispense Meter



Two Models to Choose From

- LDM5 with inlet boot, trigger guard and rigid extension with thermal compensating nozzle
- LDM5 with flexible extension and automatic nozzle

LDP5 Preset Dispense Meter



Two Models to Choose From

- LDP5 preset dispense model with inlet boot, trigger guard and rigid extension with thermal compensating nozzle
- LDP5 preset dispense model with flexible extension and automatic nozzle

Fluid Extension Kits

- Standard rigid extension kit and automatic thermal compensating nozzle
- Optional flexible and gear lube extensions available

Operator Controls

- Easy to read LCD display with durable switches for long life

Meter Body

- Rugged engineered material for superior impact resistance and long life
- Ergonomically-designed handle for optimum comfort

Fluid Inlet Screen

- Replaceable internal inlet screen protects meter from contaminants

Trigger

- Two-finger trigger
- LDP5 models have latching trigger

Trigger Guard and Boot

- Protects finishes from scratching
- Black boot and guard is standard, also available in red, blue, green and yellow

LDP5 Preset Model Shown

Technical Specifications

LD SERIES METERS

Flow range ⁽¹⁾	0.1 to 5 gpm (0.4 to 19 lpm)
Max. working pressure	1000 psi (69 bar)
Units of measure	Quarts, pints, gallons, liters (factory set to quarts)
Weight	3 lbs (1.36 kg)
Inlet	1/2 in npt
Outlet	3/8 in npt
Operating temperature	32°F to 120°F (0°C to 89°C)
Storage temperature	-30°F to 120°F (-34°C to -49°C)
Battery	9V alkaline
Battery life	LDP5 - six months with alkaline LDM5 - one year with alkaline

1. Tested in 10W oil at 70°F. Flow rates vary with fluid pressure, temperature, viscosity, inlet fitting and nozzle type.

Wetted parts	sst, nitrile rubber, zinc, cs, lcp
Meter pressure loss ⁽¹⁾	90 psi @ 5 gpm
Accuracy ⁽²⁾	±0.5%
Dimensions (w/o extension)	11 in L x 3.25 in W x 3.25 in H (28cm x 8.3cm x 8.3cm)
Maximum totalizer	999,999 gallons or liters
Max. recorded dispense	999.99 units
Max preset volume	999.9 units (LDP5 only)
Warranty	Two years
Instruction manual	312668

2. @ 2.5 gpm (9.5 lpm) @ 70°F (21°C) with 10 wt. oil and 1 gal (3.8 l) dispensed. May require re-calibration. Out-of-box accuracy ±1.25%.

Graco Equipment—Durable and Long-Lasting

Ordering Information SD Series Meters

SDM5 MANUAL DISPENSE ELECTRONIC METER, 5 GPM OR LESS



Part Number Description

255350	1/2 in npt(f) swivel, rigid extension and standard automatic non-drip quick-close nozzle for oil
255348	1/2 in npt(f) swivel, flexible extension and standard automatic non-drip quick-close nozzle for oil
255349	1/2 in npt(f) swivel, gear lube extension and standard quick-close nozzle
255802	1/2 in npt(f) swivel, rigid extension and standard quick-close nozzle for anti-freeze
255803	1/2 in npt(f) swivel, flexible extension and standard quick-close nozzle for anti-freeze

Extension kit included, see page 9 for more details.

SDM15 MANUAL DISPENSE ELECTRONIC METER, 14 GPM OR LESS



Part Number Description

256836	1/2 in npt(f) swivel, rigid extension, high flow, quick-close nozzle for oil
256837	1/2 in npt(f) swivel, flexible extension, high flow, quick-close nozzle for oil
255800	3/4 in npt(f) swivel, rigid extension, high flow, quick-close nozzle for oil
255801	3/4 in npt(f) swivel, flexible extension, high flow, quick-close nozzle for oil

Extension kit included, see page 9 for more details.

SDP5 PRESET DISPENSE ELECTRONIC METER, 5 GPM OR LESS



Part Number Description

255200	1/2 in npt(f) swivel, rigid extension and standard automatic non-drip quick-close nozzle for oil
255351	1/2 in npt(f) swivel, flexible extension and standard automatic non-drip quick-close nozzle for oil
255352	1/2 in npt(f) swivel, gear lube extension and standard quick-close nozzle
255355	1/2 in npt(f) swivel, rigid extension and standard quick-close nozzle for anti-freeze
255356	1/2 in npt(f) swivel, flexible extension and standard quick-close nozzle for anti-freeze

Extension kit included, see page 9 for more details.

SDP15 PRESET DISPENSE ELECTRONIC METER, 14 GPM OR LESS



Part Number Description

256838	1/2 in npt(f) swivel, rigid extension, high flow, quick-close nozzle for oil
256839	1/2 in npt(f) swivel, flexible extension, high flow, quick-close nozzle for oil
255353	3/4 in npt(f) swivel, rigid extension, high flow, quick-close nozzle for oil
255354	3/4 in npt(f) swivel, flexible extension, high flow, quick-close nozzle for oil

Extension kit included.

NOZZLE EXTENSION REPLACEMENT KITS FOR SD SERIES METERS

Part Number Description



255852	Automatic non-drip quick-close nozzle with rigid extension for oil
255853	Automatic non-drip quick-close nozzle with flexible extension for oil
255854	Non-drip quick-close nozzle with rigid extension for gear lube
255855	Non-drip quick-close nozzle with rigid extension for anti-freeze
255856	Non-drip quick-close nozzle with flexible extension for anti-freeze
255459	Automatic non-drip quick-close nozzle only for oil
255460	Quick-close nozzle only for anti-freeze
255470	Quick-close nozzle only for gear oil
255857	Non-drip quick-close high-flow nozzle with rigid extension for oil and anti-freeze
255858	Non-drip quick-close high-flow nozzle with flexible extension for oil and anti-freeze
255461	Quick-close high-flow nozzle only for oil and anti-freeze

Above nozzles and extension kits serve as replacements for the SDV15 and SDM15 meters.

SWIVEL COVERS FOR SD SERIES METERS



Part Number Description

15T366	Black swivel cover (standard color with meter)
15T367	Red swivel cover
15T368	Blue swivel cover
15T369	Green swivel cover
15T370	Yellow swivel cover

Color code your meters to easily identify which fluid you're dispensing.



FILTER KITS FOR SD SERIES METERS

Part Number Description

255885	Filter kit includes (10) filters/strainers (15M308), (10) spacers (15M309) and (10) O-rings (155332)
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Graco Products—Engineered for Performance

Ordering Information LD Series Meters

LDM5 MANUAL DISPENSE ELECTRONIC METERS, 5 GPM OR LESS

Part Number Description

255751	1/2 in npt(f) swivel, flexible extension and automatic nozzle for oil and anti-freeze
256215	1/2 in npt(f) swivel, rigid extension, trigger guard/boot, and automatic nozzle for oil and anti-freeze

LDP5 PRESET DISPENSE ELECTRONIC METERS, 5 GPM OR LESS

Part Number Description

255277	1/2 in npt(f) swivel, flexible extension and automatic nozzle for oil and anti-freeze
256216	1/2 in npt(f) swivel, rigid extension, trigger guard/boot, and automatic nozzle for oil and anti-freeze



Ordering Information Accessories for LD Series Meters

NOZZLE EXTENSION KITS FOR LD SERIES METERS

Part Number Description



255861	Automatic nozzle with flexible extension for oil and anti-freeze*
239949	Automatic thermal compensating nozzle with rigid extension for oil and anti-freeze
239951	Automatic thermal compensating nozzle with flexible extension for oil and anti-freeze
239950	Automatic thermal compensating nozzle with rigid extension for gear lube
239829	Automatic thermal compensating nozzle for oil and anti-freeze without extension
238371	Automatic thermal compensating gear lube nozzle without extension

*Economical extension used on models 255751 and 255277

INLET SWIVEL COVERS FOR LD SERIES METERS

191294	Black
191287	Red
191288	Blue
191289	Green
191295	Yellow



TRIGGER GUARDS FOR LD SERIES METERS

247759	Black
243835	Red
243836	Blue
243837	Green
247760	Yellow



FILTERS FOR LD SERIES METERS

255884	Filter kit includes (10) filters/strainers (114017) and (10) O-rings (109018)
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Ordering Information

SDV15 Valves

SDV15 MANUAL DISPENSE VALVES, 15 GPM OR LESS

Part Number Description

247712	1/2 in npt(f) swivel, locking open trigger, rigid extension & standard automatic non-drip quick-close nozzle for oil products
247713	1/2 in npt(f) swivel, locking open trigger, flexible extension & standard automatic non-drip quick-close nozzle for oil products
247714	1/2 in npt(f) swivel locking open trigger, gear lube extension & standard quick-close nozzle
247715	1/2 in npt(f) swivel locking open trigger, rigid extension & standard quick-close nozzle for anti-freeze
247716	1/2 in npt(f) swivel locking open trigger, flexible extension & standard quick-close nozzle for anti-freeze
247717	1/2 in npt(f) swivel locking open trigger, 3/4 in - 16(f) straight thread O-ring boss outlet, and trigger lock, no extension

FILTER KITS FOR SDV15 DISPENSE VALVES

Part Number Description

256164	Filter kit includes (10) filters/strainers (185416)
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At Graco we produce the best equipment in the industry. Everything we manufacture is field tested to perform to the highest quality standards.

If it doesn't pass the test, it isn't a Graco product.





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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