

OIL DISPENSE METERS

	Page
Graco Dispense Meters	76
LDP Series Electronic Meters	77-79
EM Series Electronic Meters	80-83
SD Series Electronic Meters	84-86
IM5 In-Line Electronic Meter	87
SDI15 In-Line Electronic Meter	88
Mechanical Meters	89-91
SDV15 Control Valve	92-93
XDV20 Control Valve	94-95
Dispense Consoles	96-97

Graco Dispense Meters

	Fluid	Manual/ Preset	Maximum Working Pressure	Maximum Flow Rate	Intended Use	Warranty	Reference Pages
LDP Series Electronic Meters 	<ul style="list-style-type: none"> Petroleum- and synthetic-based oils (motor, gear and ATF) Anti-freeze 	Manual/ Preset	1,000 psi (69 bar)	5 gpm (19 lpm)	Indoor	5 years overall (2 years electronics)	77-79
EM Series Electronic Meters 	<ul style="list-style-type: none"> Petroleum- and synthetic-based oils (motor, gear and ATF) Anti-freeze 	Manual	1,500 psi (103.4 bar)	20 gpm (76 lpm)	Indoor/ Outdoor	5 years overall (3 years electronics)	80-83
SD Series Electronic Meters 	<ul style="list-style-type: none"> Petroleum- and synthetic-based oils (motor, gear and ATF) Anti-freeze 	Manual/ Preset	1,500 psi (103.4 bar)	14 gpm (53 lpm)	Indoor/ Limited Outdoor	7 years overall (3 years electronics)	84-86
IM5 In-Line Meters 	<ul style="list-style-type: none"> Petroleum- and synthetic-based oils (motor, gear and ATF) Anti-freeze Windshield wash fluid 	Manual	500 psi (34 bar)	5 gpm (19 lpm)	Indoor/ Outdoor	5 years overall (2 years electronics)	87
SDI15 In-Line Meters 	<ul style="list-style-type: none"> Petroleum- and synthetic-based oils (motor, gear and ATF) Anti-freeze Diesel exhaust fluid 	Manual	1,500 psi (103.4 bar)	15 gpm (56.8 lpm)	Indoor	7 years overall (3 years electronics)	88
Mechanical Meters 	<ul style="list-style-type: none"> Petroleum- and synthetic-based oils (motor, gear and ATF) Anti-freeze 	Manual/ Preset	1,500 psi (103.4 bar)	8 gpm (30 lpm)	Indoor/ Outdoor	5 years	89-91
SDV15 Control Valves 	<ul style="list-style-type: none"> Petroleum- and synthetic-based oils (motor, gear and ATF) Anti-freeze 	N/A	1,500 psi (103.4 bar)	15 gpm (56.8 lpm)	Indoor/ Outdoor	7 years	92-93
XDV20 Control Valves 	<ul style="list-style-type: none"> Petroleum- and synthetic-based oils (motor, gear and ATF) Anti-freeze 	N/A	1,500 psi (103.4 bar)	20 gpm (76 lpm)	Indoor/ Outdoor	7 years	94-95



LDP Series Electronic Preset Meters

Perfect for Lower-Volume Service Applications

For use in small service shops, fast lubes and low-volume in-plant applications.

Up to
19 lpm
(5 gpm)

Easy-to-Read LCD Screen

Keeps dispenses precise.

Operator Controls

Displays in quarts, pint, gallons or liters. Durable switches for long life.

Fluid Extension Kits

Choose from rigid or flexible extensions with automatic thermal compensating nozzle.

Rugged Meter Body

Superior impact resistance and long life.

Comfortable Handle

Ergonomically designed for operator comfort. Two-finger trigger with latching on preset models.

Fluid Swivel

1/2 inch fluid inlet with choice of NPT, BSPP or BSPT.



Typical Applications

- Automotive dealerships
- Fast lube centers
- Service shops
- Fleet services facilities
- In-plant

Typical Fluids Handled

- Petroleum- and synthetic-based oils (motor, gear and ATF)
- Anti-freeze

Technical Specifications

Flow Range*	0.1 gpm to 5 gpm (0.4 lpm to 19 lpm)
Maximum Working Pressure	1,000 psi (69 bar)
Units of Measure	Quarts, pints, gallons, liters (factory set to quarts)
Accuracy**	+/- 0.5%
Inlet	1/2 in NPT
Outlet	1/2 in NPT
Maximum Totalizer	999,999 gallons or liters
Maximum Recorded Dispense	999.9 units
Maximum Preset Volume	999.9 units (LDP5 only)
Operating Temperature Range	32°F to 120°F (0°C to 48.8°C)
Storage Temperature Range	-30°F to 120°F (-34.4°C to 48.8°C)
Outdoor Use	No
Battery	9 volt alkaline
Battery Life	One year
Wetted Parts	SST, nitrile rubber, zinc, CS, LCP
Meter Pressure Loss*	90 psi (6.2 bar) @ 5 gpm (19 lpm)
Dimensions (without extension)	11 in L x 3.25 in W x 3.25 H (28 cm L x 8.3 cm W x 8.3 cm H)
Weight	3 lb (1.36 kg)
Warranty	Five years overall, two years electronics
Instruction Manual	312668

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

**At 2.5 gpm (9.5 lpm) @ 70°F (21°C) with 10 wt. oil and 1 gal (3.8 l) dispensed. May require recalibration. Out-of-box accuracy ±1.25%. Not recommended for in-line installation.




LDP Series Electronic Preset Meters









Ordering Information

LDP Series LDP5 Preset Meters

Automatic nozzle included

	Extension	Inlet in (mm)	Part Number			Package Includes	
			NPT	BSPT	BSPP	Trigger Guard	Swivel Cover
	Flexible	1/2 (13)	258694	24F886	24F892	Yes	Yes
	Rigid		256216	24F884	24F890	Yes	Yes
	Flexible		255277	24F883	24F889	No	No

Nozzle Extension Kits

	Extension	Fluid	Nozzle Description	Part Number
	Rigid	Oil/Anti-freeze	Automatic, thermally compensating	239949
		Gear lube	Automatic, thermally compensating	239950
		Gear lube	Automatic	238887
	Flexible	Oil/Anti-freeze	Automatic, thermally compensating	239951
	Nozzle Only	Oil/Anti-freeze/Gear lube	Automatic, thermally compensating	239829
		Oil/Anti-freeze/Gear lube	Automatic	238371



Oil Dispense Meters and Control Valves






LDP Series Electronic Preset Meters

Ordering Information

EM5/PM5 to LD Series Upgrade Kits

	Part Number	Description
	257350	EM5 to LDM5
	257351	PM5 to LDP5






Accessories

	Part Number	Description
	240416	Inlet swivel
	114017	Inlet filter, 80 mesh
	240453	Valve repair kit

Protective Boots with Trigger Guards

	Part Number	Description
	247759	Black
	243835	Red
	243836	Blue
	243837	Green
	247760	Yellow

Swivel Covers

	Part Number	Description
	191294	Black
	191287	Red
	191288	Blue
	191289	Green
	191295	Yellow

Hose Identification Sets

Vinyl hose wrap for easy identification of meter fluid.

	Part Number	Description
	17S659	Red
	17S660	Blue
	17S661	Green
	17S662	Yellow
	17S663	White

Oil Dispense Meters and Control Valves

EM Series™ Electronic Manual Dispense Meters



Up to
76 lpm
(20 gpm)

Low-Flow and High-Flow Manual Meters

Building on the heritage of Graco's first electronic meter, the EM Series features a robust design at an affordable price. Weather-rated and shock-resistant construction protects the electronics from intense high-pressure cleaning and mechanical vibration common in industrial applications.



Twist-Close Nozzle Prevents Leaking

Multiple extensions available including rigid, flexible and gear lube.

High-Flow Rates

Capable of up to 20 gpm.

Long Battery Life

Features upgraded electronics and easily replaceable AAA batteries.

Prevent Accidental Dispenes

Easy-to-hold locking handle.

Proven in Harsh Conditions

Sealed electronics (IP69K) are protected against direct pressure washing and dust.

Legacy Valve

1/2 and 3/4 inch inlets, compatible with oil, ATF, anti-freeze and gear lube.

Typical Applications

- Automotive dealerships
- Service and fast lube centers
- Lube trucks
- Mining
- Heavy-duty dealerships
- Fleet service facilities
- In-plant

Typical Fluids Handled

- Petroleum- and synthetic-based oils (motor, gear and ATF)
- Anti-freeze

Technical Specifications

Technical Specifications	EM8	EM20
Flow Range	0.25 to 8 gpm (0.95 to 30.3 lpm)	0.25 to 20 gpm (0.95 to 75.7 lpm)
Maximum Operating Pressure	1,500 psi (102 bar)	
Unit of Measure	Quarts, gallons, pints, liters	
Accuracy/Repeatability	±0.5%	
Inlet	1/2 npt 1/2 bspp 1/2 bspt	1/2 npt or 3/4 npt 1/2 bspp and 3/4 bspp 1/2 bspt and 3/4 bspt
Outlet	3/4 straight thread O-ring boss	7/8 straight thread O-ring boss
Maximum Totalizer	19,999 units	
Maximum Recorded Dispense	19,999 units	
Operating Temperature Range	-22°F to 180°F (-30°C to 82°C)	
Storage Temperature Range	-40°F to 185°F (-40°C to 85°C)	
Outdoor Use	Yes – IP69k as per DIN 40050-9	
Battery	2 (AAA) alkaline or 2 (AAA) lithium	
Wetted Parts	Aluminium, stainless steel, carbon steel, acetal, nitrile rubber, Geolast™	
Meter Pressure Loss*	30 psi @ 6 gpm	85 psi @ 12 gpm
Dimensions	13 in L x 3.5 in W x 5.25 in H (33 cm L x 9 cm W x 13.3 cm H)	
Weight	3 lbs (1.36 kg)	3.1 lbs (1.39 kg)
Warranty	Five years overall, three years electronics and 1 year wear parts	
Instruction Manual	3A5588	

* Tested in 10W oil at 70°F (21°C). Flow rate varies with fluid pressure, temperature, viscosity, inlet fitting size and nozzle type. Geolast is a registered trademark of Advanced Elastomer Systems.



EM Series Electronic Manual Dispense Meters

Ordering Information

	Extension	Inlet in (mm)	Part Number		
			NPT	BSPT	BSPP
EM8	Flexible	1/2 (13)	25C904	25C912	25C908
	Rigid		25C903	25C911	25C907
	Gear		25C905	25C913	25C909
EM20	Flexible	1/2 (13)	25C915	25C921	25C927
		3/4 (19)	25C918	25C924	25C930
	Rigid	1/2 (13)	25C916	25C922	25C928
		3/4 (19)	25C919	25C925	25C931

	Inlet in (mm)	Part Number		
		NPT	BSPT	BSPP
EM8	1/2 (13)	25D433	25D435	25D434
EM20	1/2 (13)	25D436	25D438	25D939
	3/4 (19)	25D437	25D440	25D441

Oil Dispense Meters and Control Valves

EM Series™ Electronic Manual Dispense Meters



Up to
76 lpm
(20 gpm)

High-Flow In-Line Meter

Graco's IM20 in-line meter is weather-rated and shock-resistant, protecting the electronics from intense, high-pressure cleaning and mechanical vibration common in industrial applications.



Easy-to-Read LCD

Simple operator control. Measures in quarts, gallons, pints and liters.

Easy Battery Replacement

Long-lasting, replaceable AAA batteries.

Sealed Electronics

IP69K-rated meter. Electronics are safe from pressure washing and dusty environments.

Tracks Totals in Two Modes

Reset total for a periodic dispense history and non-reset total for the meter's total dispense history.

Typical Applications

- Automotive dealerships
- Service and fast lube centers
- Lube trucks
- Mining
- Heavy-duty dealerships
- Fleet service facilities
- In-plant

Typical Fluids Handled

- Petroleum- and synthetic-based oils (motor, gear and ATF)
- Anti-freeze

Technical Specifications

Flow Range*	0.25 to 20 gpm (0.95 to 75.7 lpm)
Maximum Working Pressure	1,500 psi (102 bar)
Unit of Measure	Quarts, pints, gallons, liters (factory set to quarts)
Accuracy/Repeatability	±0.5%
Inlet/Outlet	3/4 NPT
Maximum Totalizer	19,999 units
Maximum Recorded Dispense	19,999 units
Operating Temperature Range	-22°F to 180°F (-30°C to 82°C)
Storage Temperature Range	-40°F to 185°F (-40°C to 85°C)
Outdoor Use	Yes – IP69k as per DIN 40050-9
Battery	2 (AAA) alkaline or (2) AAA lithium
Wetted Parts	Aluminium, stainless steel, carbon steel, acetal, nitrile rubber, Geolast™
Meter Pressure Loss*	35 psi @ 12 gpm
Dimensions	4.2 in L x 3.4 in W x 3.2 in H (10.7 cm L x 8. cm W x 8.1 cm H)
Weight	1 lb. 4 oz. (0.57 kg)
Warranty	Seven year overall, three years electronics
Instruction Manual	3A5588

*Tested in 10W oil at 70°F (21°C). Flow rate varies with fluid pressure, temperature, viscosity, inlet fitting size and nozzle type. Geolast is a registered trademark of Advanced Elastomer Systems.

Ordering Information

Part Number	Description
25C841	IM20 high-flow, high-pressure in-line meter



EM Series Electronic Manual Dispense Meters






Ordering Information

Accessories

Part Number	Description
25D934	Electronic control replacement
129876	Black impact guard for EM8 or EM20
25D936	Battery kit: includes AAA batteries, Torx screws and bezel seal
100896	3/4 NPT(M) x 1/2 NPT(F) adapter

Hose Identification Sets

Vinyl hose wrap for easy identification of meter fluid.

	Part Number	Description
	17S659	Red
	17S660	Blue
	17S661	Green
	17S662	Yellow
	17S663	White

SD Series Electronic Meters



For Standard and Heavier-Duty Applications

Designed to perform in larger dealerships, fleet maintenance shops, municipal garages and higher-volume in-plant applications with longer plumbing runs and larger fluid usage.

**Up to
53 lpm
(14 gpm)**



Large LCD Display and Simple Operator Controls

Manual or preset options. Screen contrast adjusts for reading in all lighting conditions with easy setup and navigation.

Fluid Extension Kits

Choose from rigid or flexible extensions with automatic quick-close flush-mount nozzle design that re-seats after each dispense to prevent dirt contamination.

Durable Cast Body

Solid construction to stand up to harsh environments and provide years of trouble-free performance.

Long Battery Life

Uses four off-the-shelf AA batteries.

Connection Swivel

1/2 and 3/4 inch fluid inlet options meet standard and high-flow requirements, choice of NPT, BSPP and BSPT threads.

Balanced Triggering

Four-finger pressure balance triggering for superior comfort and ergonomics. Features trigger locks on SDP5 and SDP15 preset models.

Typical Applications

- Automotive dealerships
- Heavy-duty dealerships
- Fast lube centers
- Lube trucks
- Fleet service facilities
- Service shops
- In-plant
- Mining

Typical Fluids Handled

- Petroleum- and synthetic-based oils (motor gear, and ATF)
- Anti-freeze

Technical Specifications

Flow Range*	SDM5/SDP5 – 0.1 gpm to 5 gpm (0.4 lpm to 19 lpm) SDM15/SDP15 – 0.1 gpm to 14 gpm (0.4 lpm to 53 lpm)
Maximum Working Pressure	1,500 psi (103.4 bar)
Units of Measure	Pints, quarts, gallons, liters (factory set to quarts)
Accuracy**	+/- 0.5%
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
Maximum Recorded Dispense	999.9 units
Maximum Pre-Set Volume	999.9 units
Operating Temperature Range	4°F to 158°F (-20°C to 70°C)
Storage Temperature Range	-40°F to 158°F (-40°C to 70°C)
Outdoor Use	Limited
Battery	4 AA alkaline or 4 AA lithium
Battery Life***	One year
Wetted Parts	Aluminium, sst, pbt/pc, nitrile rubber, cs
Meter Pressure Loss*	180 psi (12 bar) @ 14 gpm (53 lpm)
Dimensions (without extension)	13 in L x 3.75 in W x 5.75 in H (33 cm x 9.5 cm x 14.6 cm)
Weight	5 lb (2.3 kg)
Warranty	Seven years overall, three years electronics
Instruction Manual	312865

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

**At 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%.

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



SD Series Electronic Meters

Ordering Information

SD Electronic Meters

All nozzles are non-drip and quick closing.



	Dispense Type	Flow Range gpm (lpm)	Fluid	Extension	Inlet in (mm)	Part Number		
						NPT	BSPT	BSPP
SDM5	Manual	0.1–5.0 (0.4–19)	Oil	Flexible	1/2 (13)	255348*	24H109*	24H108*
				Rigid	1/2 (13)	255350*	24H113*	24H112*
			Anti-freeze	Flexible	1/2 (13)	255803	24H133	24H132
				Rigid	1/2 (13)	255802	24H131	24H130
SDP5	Preset	0.1–5.0 (0.4–19)	Oil	Flexible	1/2 (13)	255351*	24H115*	24H114*
				Rigid	1/2 (13)	255200*	24H107*	24H106*
			Anti-freeze	Flexible	1/2 (13)	255356	24H125	24H124
				Rigid	1/2 (13)	255355	24H123	24H122
SDM15	Manual	0.1–14.0 (0.4–53)	Oil/Anti-freeze	Flexible	1/2 (13)	256837	24H153	24H152
				Flexible	3/4 (19)	255801	24H129	24H128
				Rigid	1/2 (13)	256836	24H151	24H150
				Rigid	3/4 (19)	255800	24H127	24H126
SDP15	Preset	0.1–14.0 (0.4–53)	Oil/Anti-freeze	Flexible	1/2 (13)	256839	24H157	24H156
				Flexible	3/4 (19)	255354	24H121	24H120
				Rigid	1/2 (13)	256838	24H155	24H154
				Rigid	3/4 (19)	255353	24H119	24H118

*Oil nozzles are automatic.

Oil Dispense Meters and Control Valves

SD Series Electronic Meters Accessories



Ordering Information

Nozzle and Extension Kits

	Extension	Fluid	Nozzle Description	Part Number	Compatible Meters
	Rigid	Oil	Non-drip, quick-close	255852	SDM5/SDP5
		Anti-freeze	Non-drip, quick-close	255855	SDM5/SDP5
		Oil/Anti-freeze	Non-drip, quick-close	255857	SDM15/SDP15
	Rigid	Gear lube	Non-drip, quick-close	255854	SDM5/SDP5
	Flexible	Oil	Automatic, non-drip, quick-close	255853	SDM5/SDP5
		Anti-freeze	Non-drip, quick-close	255856	SDM5/SDP5
		Oil/Anti-freeze	High-flow, non-drip, quick-close	255858	SDM15/SDP15
	Nozzle Only	Oil	Automatic, non-drip, quick-close	255459	SDM5/SDP5
		Anti-freeze	Non-drip, quick-close	255460	SDM5/SDP5
		Oil/Anti-freeze	High-flow, non-drip, quick-close	255461	SDM15/SDP15
	Nozzle Only	Gear lube	Non-drip, quick-close	255470	SDM5/SDP5

Filter Kits for SD Series Meters

	Part Number	Description
	255885	Kit includes filters/strainers, spacers and O-rings

Impact Protection

	Part Number	Description
	24W327	Matrix/SD meter boot

Swivel Covers

	Part Number	Description
	15T366	Black
	15T367	Red
	15T368	Blue
	15T369	Green
	15T370	Yellow

Hose Identification Sets

Vinyl hose wrap for easy identification of meter fluid.

	Part Number	Description
	17S659	Red
	17S660	Blue
	17S661	Green
	17S662	Yellow
	17S663	White

IM5 In-Line Electronic Meter



Up to
19 lpm
(5 gpm)



Easy Battery Replacement

Operates on single 9V alkaline battery.

Tracks Totals in Two Modes

Reset total for a periodic dispense history and non-reset total for the meter's total dispense history.

Heavy-Duty Construction

For indoor or outdoor use.

Easy-to-Read LCD

Simple operator controls and measures in pints, quarts, liters or gallons

Typical Applications

- Automotive dealerships
- Fast lube centers
- Service shops
- Fleet services facilities
- In-plant

Typical Fluids Handled

- Petroleum- and synthetic-based oils (motor, gear and ATF)
- Anti-freeze
- Windshield washer fluid

Technical Specifications

Flow Range*	0.5 gpm to 5 gpm (1.9 lpm to 19 lpm)
Maximum Working Pressure	500 psi (34 bar)
Units of Measure	Quarts, pints, gallons, liters (factory-set to quarts)**
Accuracy	± 0.5%
Inlet/Outlet	1/2 NPT
Maximum Totalizer	99,999
Maximum Recorded Dispense	999.99
Operating Temperature Range	-4°F to 122°F (-20°C to 50°C)
Storage Temperature Range	-13°F to 122°F (-25°C to 50°C)
Outdoor Use	Yes
Battery	9-volt, alkaline
Wetted Parts	Nickel, zinc, zenite, nitrile rubber
Meter Pressure Loss*	25 psi (1.7 bar) @ 5 gpm (19 lpm)
Dimensions	4.25 in L x 3.25 in W x 2.0 in H (10.8 cm L x 8.3 cm W x 5.1 cm H)
Weight	1.8 lb (0.8 kg)
Warranty	Five years overall, two years electronics
Instruction Manual	308687

*Tested in 10W oil at 70°F. Flow rates vary with fluid pressure, temperature and viscosity.

**Display shows quantity in 0.01 increments up to 999.99 gallons, quarts, pints or liters. Totalizes in gallons or liters up to 99,999 units.

Ordering Information

Meter

Part Number	Description
239824	IM5 low pressure – low-flow in-line meter

Accessory

Image	Part Number	Description
	239876	Strainer kit

Oil Dispense Meters and Control Valves

SDI15 In-Line Electronic Meter



Up to
57 lpm
(15 gpm)



Energy Efficient

Powered by two AA alkaline batteries.

Tracks Totals in Two Modes

Reset total for a periodic dispense history and non-reset total for the meter's total dispense history.

Rugged Stainless Steel Body

Remains corrosion free in hard environments for years of trouble-free service.

Large, Easy-to-Read LCD

Simple operator controls and measures in pints, quarts, liters or gallons.

Typical Applications

- Automotive dealerships
- Fast lube centers
- Service shops
- Heavy-duty dealerships
- Fleet services facilities
- In-plant
- Mining

Typical Fluids Handled

- Petroleum- and synthetic-based oils (motor, gear and ATF)
- Anti-freeze
- Windshield washer fluid
- Diesel exhaust fluid

Technical Specifications

Flow Range*	0.5 gpm to 15 gpm (1.9 lpm to 57 lpm)
Maximum Working Pressure	1,500 psi (103 bar)
Units of Measure	Quarts, pints, gallons, liters (factory-set to quarts)
Accuracy	± 0.5%
Inlet/Outlet	1/2 NPT or BSPP
Maximum Totalizer	99,999
Maximum Recorded Dispense	999.99
Operating Temperature Range	-4°F to 122°F (-20°C to 50°C)
Storage Temperature Range	-13°F to 122°F (-25°C to 50°C)
Outdoor Use	No
Battery	2AA alkaline
Wetted Parts	Nitrile rubber, SST and Geolast
Meter Pressure Loss*	22 psi (1.5 bar) @ 14 gpm (53 lpm)
Dimensions	5 in L x 3 in W x 2.75 in H (12.7 cm L x 7.6 cm W x 7 cm H)
Weight	1.8 lb (0.8 kg)
Warranty	Seven years overall, three years electronics
Instruction Manual	313048

*Tested in 10W oil at 70°F. Flow rates vary with fluid pressure, temperature and viscosity.

Ordering Information

Meters

Part Number	Description
247453	SDI15 medium/high pressure – medium-/high-flow in-line meter for petroleum- and synthetic-based oils, anti-freeze and windshield washer fluid
24G738	SDI15 medium/high pressure – medium-/high-flow in-line meter for diesel exhaust fluid applications (BSPP)

Accessories

	Part Number	Description
	108458	Shutoff ball valve 1/2 NPT(F)
	223179	Strainer kit 1/2 NPT(F) 1/2 NPT(M)



Accurate Dispensing for a Wide Variety of Vehicle or Machine Service Applications

Ideal for indoor or outdoor use in all size shops.

Up to
30.2 lpm
(8 gpm)



Impact-Resistant Shroud

Resists scratches and protects knob and dial from damage.

Simple, Easy Design

Dial and face design is easy to read and set.

Fluid Swivel

½ inch fluid inlet with choice of NPT, BSPP or BSPT.

Durable Cast Housing

Durable aluminium body is balanced and lightweight with comfortable grip.

Fluid Extension Kits

Choose from rigid or flexible with automatic thermal compensating nozzle.

Built-In Totalizer

Helps manage material usage.

Typical Applications

- Automotive dealerships
- Fast lube centers
- Service shops
- Heavy-duty dealerships
- Fleet services facilities
- In-plant
- Lube trucks
- Mining

Typical Fluids Handled

- Petroleum- and synthetic-based oils (motor, gear and ATF)
- Anti-freeze

Technical Specifications

Flow Range*	0.28 gpm (1.0 lpm) to 8 gpm (30.2 lpm)
Maximum Working Pressure	1,500 psi (103 bar)
Units of Measure	Quarts, gallons, liters
Accuracy	± 1%
Inlet	1/2 in NPT, BSPP, BSPT
Outlet	3/4-16 straight thread O-ring boss
Maximum Totalizer	99,999 units
Maximum Recorded Dispense	60 gallons
Operating Temperature Range	-50°F to 160°F (-45°C to 70°C)
Outdoor Use	Yes
Wetted Parts	Brass, aluminium, SST, TPE
Meter Pressure Loss*	30 psi (2.1 bar) @ 4 gpm (15 lpm)
Dimensions	11.5 in L x 5 in W x 6.3 in H (29.2 cm L x 12.7 cm W x 16 cm H)
Weight	3.5 lb (1.6 kg)
Warranty	Five years
Instruction Manual	333492


*Tested with 10W motor oil. Minimum/maximum flow rates will vary with fluid viscosity.

Mechanical Meters






Ordering Information


Manual Meters

	Extension	Model Description	NPT	BSPT	BSP
	Bare	4/16 Liter	24U956	24U957	24U958
		4/16 Quart	24U959	–	–

Manual Meter Packages

	Extension	Model Description	NPT	BSPT	BSP	Replacement Nozzle/Extension Kit
	Flexible	4/16 Liter	24V043	24V044	24V045	255853
		4/16 Quart	24V034	–	–	255853
	Rigid	4/16 Liter	24V046	24V047	24V048	255852
		4/16 Quart	24V037	–	–	255852
	Gear Lube	4/16 Liter	24V049	24V050	24V051	255854
		4/16 Quart	24V040	–	–	255854


Preset Meters

	Extension	Model Description	NPT	BSPT	BSP
	Bare	60 Gallon	24U950	–	–
		60 Liter	24U953	24U954	24U955
60 Quart		24U947	–	–	








Ordering Information


Preset Meter Packages

	Extension	Model Description	NPT	BSPT	BSPP	Package Includes
						Nozzle Extension
	Flexible	60 Gallon	24Z129	–	–	255853
		60 Liter	24Z132	–	–	255853
		60 Quart	24Z126	–	–	255853
	Rigid	60 Gallon	24Z128	–	–	255852
		60 Liter	24Z131	–	–	255852
		60 Quart	24Z125	–	–	255852
	Short Rigid	60 Gallon	24V055	–	–	24W641
		60 Liter	24V058	24V059	24V060	24W641
		60 Quart	24V052	–	–	24W641
	Gear Lube	60 Gallon	24Z130	–	–	255854
		60 Liter	24Z133	–	–	255854
		60 Quart	24Z127	–	–	255854

Nozzle Extensions

	Fluid	Extension	Compatible Meter	Part Number
	Oil	Flexible	Manual	255853
		Rigid	Manual	255852
		Short Rigid	Preset	24W641
	Anti-freeze	Flexible	Manual/Preset	24W306
		Rigid	Manual/Preset	255855
	Gear lube	Rigid	Manual	255854

Accessories

	Part Number	Description
	256164	Strainer filter kit, 10-pack

SDV15 Control Valve



Up to
57 lpm
(15 gpm)

For Standard and Heavier-Duty Applications

Designed to perform in larger dealerships, fleet maintenance shops, municipal garages and higher-volume in-plant applications with longer plumbing runs and larger fluid usage.

Fluid Extension Kits

Choose from rigid or flexible extensions with automatic flush-mount nozzle design that re-seats after each dispense to prevent dirt contamination.

Lock-On/Lock-Off Trigger

For hands-free operation.

Sturdy Cast Body

Designed for use in tough environments.

1/2 Inch Inlet with Swivel

Choice of NPT, BSPP and BSPT.



Typical Applications

- Automotive dealerships
- Fast lube centers
- Service shops
- Lube trucks
- Heavy-duty dealerships
- Fleet services facilities
- In-plant
- Lube trucks
- Mining

Typical Fluids Handled

- Petroleum- and synthetic-based oils (motor, gear and ATF)
- Anti-freeze

Technical Specifications

Flow Range*	15 gpm (56.8 lpm)
Maximum Working Pressure	1,500 psi (103 bar)
Inlet	1/2 in NPT, BSPP, BSPT
Outlet	3/4-16 straight thread O-ring boss
Operating Temperature Range	-40°F to 180°F (-40°C to 82°C)
Outdoor Use	Yes
Wetted Parts	Aluminium, SST, CS, acetal, nitrile rubber, tpe
Dimensions	12 in L x 8.4 in W x 2.4 in H (30.5 cm L x 21.3 cm W x 6.1 cm H)
Weight	0.4 lb (0.18 kg)
Warranty	Seven years
Instruction Manual	312789

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



Ordering Information

SDV15 Control Valve

	Fluid	Extension	Inlet in (mm)	Part Number		
				NPT	BSPT	BSPB
	Oil	Rigid	1/2 (13)	247712	24H390	24H384
		Flexible		247713	24H391	24H385
	Anti-freeze	Rigid		247715	24H393	24H387
		Flexible		247716	24H394	24H388
	Gear	Gear		247714	24H392	24H386

SDV15 Bare Control Valve

	Inlet in (mm)	Part Number		
		NPT	BSPT	BSPB
	1/2 (13)	247717	24H395	24H389

Quick Close Nozzles with Extension

	Extension	Part Number
	Rigid	255857
	Flexible	255858

Filter Kit

	Description	Part Number
	Strainer filter kit	256164

Quick Close Nozzle

Extension sold separately.

	Fluid	Part Number
	Oil	255459
	Anti-freeze	255460
	Gear lube	255470
	Oil/Anti-freeze (high-flow)	255461

XDV20 Control Valve



For Standard and Heavier-Duty Applications

Designed to perform in larger dealerships, fleet maintenance shops, municipal garages and higher-volume in-plant applications with longer plumbing runs and larger fluid usage.

Up to
76 lpm
(20 gpm)

Fluid Extension Kits

Choose from rigid or flexible extensions with automatic flush-mount nozzle design that re-seats after each dispense to prevent dirt contamination.

Lock-On/Lock-Off Trigger

For hands-free operation.

Sturdy Cast Body

Designed for use in tough environments.

1/2 and 3/4 Inch Inlet with Swivel Options

Meets standard and high flow requirements of NPT, BSPP and BSPT.



Oil Dispense Meters and Control Valves

Typical Applications

- High-flow, non-metered oil dispense
- Automotive dealerships
- Heavy-duty dealerships
- Fast lube centers
- Fleet service facilities
- In-plant
- Lube trucks
- Mining

Typical Fluids Handled

- Petroleum- and synthetic-based oils (motor, gear and ATF)
- Anti-freeze

Technical Specifications

Flow Range*	Up to 20 gpm (75.7 lpm)
Maximum Working Pressure	1,500 psi (103 bar)
Inlet	1/2 in or 3/4 in NPT, BSPP, BSPT
Outlet	7/8-14 straight thread O-ring boss
Operating Temperature Range	-40°F to 180°F (-40°C to 82°C)
Outdoor Use	Yes
Wetted Parts	Aluminium, SST, CS, acetal, nitrile rubber, Geolast
Dimensions	12 in L x 8.4 in W x 2.4 in H (30.5 cm L x 21.3 cm W x 6.1 cm H)
Weight	0.4 lb (0.18 kg)
Warranty	Seven years
Instruction Manual	308642



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




Ordering Information

XDV20 Control Valve




Includes high flow, quick-close nozzle.

	Extension	Inlet in (mm)	Part Number		
			NPT	BSPT	BSPP
	Rigid	1/2 (13)	247718	24H413	24H407
		3/4 (19)	247722	24H415	24H409
	Flexible	1/2 (13)	247721	24H414	24H408
		3/4 (19)	247723	24H416	24H410

XDV20 Bare Control Valve

	Inlet in (mm)	Part Number		
		NPT	BSPT	BSPP
	1/2 (13)	247724	24H417	24H411
	3/4 (19)	247725	24H418	24H412

Accessories


	Part Number	Description
	255793	Quick-close high-flow nozzle for oil, ATF and anti-freeze
	255859	Flexible extension with quick-close nozzle (255793)
	255921	Rigid extension with quick-close nozzle (255793)

Meter Dispense Consoles






Ordering Information

Lubricant Dispense Consoles

Includes upper and lower plates with roller guides and brackets. Hoses not included.

	Part Number	Description	Package Includes	
			Dispense Valve Brackets (qty)	Water Bib Brackets (qty)
	222629	Six-station console	196471 (5)	110236 (1)
	223448	Four-station console	196471 (3)	110236 (1)
	222645	Single add-on fluid module	196471 (1)	–

Lubricant Dispense Consoles Accessories

	Part Number	Description
	110236	Water bib bracket
	110237	Dispense valve bracket for XD meters
	110285	Pistol-grip dispense valve bracket
	196471	Dispense valve bracket for LDP5, EM8 and EM20 meters
	249440	Dispense valve bracket for SD/Matrix meters