



Control Valves and Meters

Introduction

Alemite’s innovative line of meters and dispensing valves is designed to handle today’s demanding product handling requirements. A wide range of configurations and types ensures Alemite has the product needed for a variety of applications.

Control Valves

Alemite’s Control Valves can be utilized to dispense a wide range of fluids, including oil, grease, gear oil and other fluids. Constructed of metal components, Alemite Control Valves are durable and withstand repeated use.

Ideal for garage, lube truck or industrial use.

Alemite Control Valves include:	
High-Pressure Control Valves.....	144
Oil & Other Fluids Control Valves	146
Standard-Duty Mechanical Meters.....	147
Heavy-Duty Mechanical Meters.....	148
Mechanical Preset Meter	149

Control Valves and Meters

High-Pressure Control Valves

All Alemite High-Pressure Control Valves have positive metal-to-metal seals, which provide extra durability and extended life. Units also offer a wide range of different flow rate types - from precisely dispensed amounts to free flow. They are available in multiple configurations to meet a wide range of applications.



6320-3

Standard High-Pressure Control Valve

FEATURES:

- Material inlet: 1/4" NPTF(f)
- Pressure: 7,500 psi
- Durable and built to last
- Delivers pre-set, measured shots with trigger partially depressed
- Provides continuous flow with trigger fully depressed

INCLUDED ITEMS:

- Extension (49136)
- Coupler (6304-B)



6438

High-Volume Control Valve

FEATURES:

- Material inlet: 3/8" NPTF(f)
- Material outlet: 1/4" NPTF(f)
- Pressure: 5,000 psi
- For medium-pressure, high-volume lubrication
- Valve is either open or closed
- Valve provides continuous flow
- Ideal for transferring grease from bulk containers
- Does not include fitting or extension



Control Valves and Meters

High-Pressure Control Valves



7421-3

Deluxe High-Pressure Control Valve

FEATURES:

- Material inlet: 1/4" NPTF(f)
- Pressure: 7,500 psi
- Selector provides full flow and a wide range of measured shots
- Built-in three-stage strainer prevents dirt from fouling valve or damaging bearings

INCLUDED ITEMS:

- Extension (49136)
- Coupler (6304-B)



7421-A3

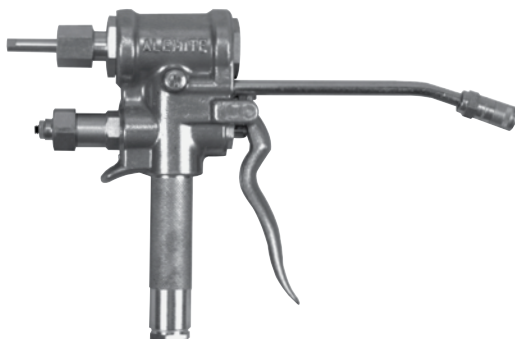
Deluxe High-Pressure Control Valve

FEATURES:

- Material inlet: 1/4" NPTF(f)
- Pressure: 7,500 psi
- Selector provides full flow and a wide range of measured shots
- Built-in three-stage strainer prevents dirt from fouling valve or damaging bearings

INCLUDED ITEMS:

- Extension (49136)
- Coupler (6304-B)
- High/Low Converter (6067-1) which allows user to reduce outlet pressure to 10% of incoming pressure



7716-D1

Measuring High-Pressure Control Valve

FEATURES:

- Material inlet: 1/4" NPTF(f)
- Pressure: 5,000 psi
- Accurately controls amount of lubricant dispensed
- Delivers up to 1 oz. of lubricant per cycle
- Normally used on production lines to lubricate small bearings
- Adjustment screw regulates amount of lubricant
- Handles fibrous, light and heavy greases, semi-fluid and fluid lubricants

INCLUDED ITEMS:

- Extension (49136)
- Coupler (6304-B)

Control Valves and Meters

Oil & Other Fluids Control Valves



FEATURES:

- Ergonomic trigger design reduces operator hand fatigue
- Cam-piston design creates positive action when dispensing product
- Units have a mechanism allowing the operator to lock the valve open for free-flow dispensing
- Push-to-open trigger prevents inadvertent discharge of fluid
- Available with a variety of nozzles to fit any application

Product #	Description	Extension	Material Inlet	Non-Drip Tip	Max pressure	Min pressure	Weight
339100	Non-Metered Control Valve	N/A	1/2" NPTF(f)	N/A	1,500 psi	30 psi	1.5 lb.
7492	Non-Metered Control Valve	Rigid	1/2" NPTF(f)	Automatic/ Manual Lock	1,500 psi	30 psi	2.6 lb.
7498	Non-Metered Control Valve	Rigid	1/2" NPTF(f)	Automatic	1,500 psi	60 psi	2.6 lb.
7498-A	Non-Metered Control Valve	Flexible	1/2" NPTF(f)	Automatic	1,500 psi	60 psi	2.6 lb.
7498-B	High-Volume Control Valve	Rigid	1/2" NPTF(f)	Automatic	1,500 psi	50 psi	2.6 lb.
7498-C	High-Volume Control Valve	Rigid	1/2" NPTF(f)	Manual High Volume	1,500 psi	30 psi	2.8 lb.
7836-CI	High-Volume Control Valve	N/A	1/2" NPTF(f)	N/A	2,000 psi	0 psi	2.7 lb.



Control Valves and Meters

Standard-Duty Mechanical Meters

These durable meters are designed for professional applications and built to withstand today's rugged use.



3685-F

FEATURES:

- Designed to dispense oils, ATF and other petroleum-based fluids
- Totalizer keeps a lifetime record of fluid dispensed
- Includes internal filter screen to prevent damaging contaminants from entering the meter
- Maximum operating pressure: 1,000 psi

Product #	Fluids	Dial Registers	Odometer Registers	Dial Range	Extension	Non-Drip Tip	Weight
3685-A	Motor Oil	ltr.	ltr.	10 ltr.	Flexible	Automatic	5 lb.
3685-B	Motor Oil	qt.	gal.	16 qt.	Rigid	Automatic	4.9 lb.
3685-F	Motor Oil	qt.	gal.	16 qt.	Flexible	Manual	4.7 lb.
3685-G	Motor Oil	qt.	qt.	16 qt.	Flexible	Manual	5 lb.
3685-J	Motor Oil	qt.	gal.	16 qt.	Rigid	Manual	5 lb.
3686-B	ATF	qt.	gal.	16 qt.	Flexible	Automatic	5 lb.

Control Valves and Meters

Heavy-Duty Mechanical Meters

Alemite's wide range of mechanical fluid meters gives users the capability to select a durable, easy-to-use dispensing meter for their particular application. The simple, dial-face design is the most common type dispensing meter used for accurately measuring fluids. Designed for rugged applications, these all-steel mechanical meters are easy to read and use.



3686-1

FEATURES:

- Easy-to-read 3-1/4" diameter dials color-coded for quick identification
- Safety latch must be depressed before fluid can be dispensed
- Trigger can be locked in open position for dispensing large volumes
- Includes swivel and inlet strainer
- Maximum operating pressure: 1,000 psi

Product #	Description	Fluid	Dial Registers	Odometer Registers	Dial Range	Extension	Non-Drip Tip	Weight
3682-A	Red Dial	Gear Oil	pt.	None	8 pt.	Rigid	Automatic / Manual Lock	6.6 lb.
3683-A	Red Dial	Gear Oil	pt.	pt.	8 pt.	Rigid	Automatic / Manual Lock	6.8 lb.
3683-DI	Red Dial	Gear Oil	ltr.	ltr.	4 ltr.	Rigid	Automatic / Manual Lock	6.8 lb.
3685-I	Blue Dial	Motor Oil	qt.	gal.	16 qt.	Rigid	Automatic	6.4 lb.
3685-DI	Blue Dial	Motor Oil	ltr.	ltr.	16 ltr.	Rigid	Automatic	7 lb.
3686-I	Green Dial	ATF	qt.	gal.	16 qt.	Flexible with filter	Automatic	7 lb.



Control Valves and Meters

Mechanical Preset Meters

Alemite's Mechanical Preset Meter is designed to dispense high-volume batches of wide ranges of fluid products. These dial-face designed meters are widely used for their accuracy and durability. They are ideal for automatic filling for crankcases of trucks, tractors, buses and off-road equipment.



3690-C

FEATURES:

- Large dial-face for easy reading and setting of register point
- Non-drip nozzle included
- Latch control permits manual shut-off during operation
- Meter automatically shuts off when preset amount has dispensed
- Maximum operating pressure: 1,000 psi
- Valve inlet: 1/2" NPTF(f) with swivel

Product #	Fluids	Dial Registers	Odometer Registers	Dial Range	Extension	Non-Drip Tip	Weight
3690-C	Gear Oil, Motor Oil, ATF	qt.	gal.	60 qt.	Rigid	Manual High Volume	5.1 lb.
3691-C	Gear Oil, Motor Oil, ATF	gal.	gal.	15 gal.	Rigid	Manual High Volume	5.1 lb.
3692-C	Antifreeze	qt.	qt.	60 qt.	Rigid	Manual High Volume	5.1 lb.
3693-C	Gear Oil, Motor Oil, ATF	ltr.	ltr.	60 ltr.	Rigid	Manual High Volume	5.1 lb.
3696-C	Gear Oil, Motor Oil, ATF	qt.	qt.	16 qt.	Rigid	Manual High Volume	5.1 lb.

Control Valves and Meters

Meters

With the most advanced electronic meters and the most durable mechanical meters, Alemite has a complete selection of products for any dispensing application.

Meters include:

Electronic Grease Meters.....	151
In-Line Meters	152
Electronic Meters.....	153
Electronic Preset Meters.....	155
Non-Drip Nozzles	156
Dispensing Valves & Bar Packages.....	156



Control Valves and Meters

Electronic Grease Meters

The Alemite Grease Meter works with virtually any type of grease-dispensing valve. This in-line meter provides accurate and reliable grease delivery and lowers lubricant consumption while increasing bearing, component and machine life.



3530

3530

Electronic Grease Meter

FEATURES:

- Resettable, easy-to-read LCD indicates batch and cumulative totals
- Lightweight, in-line design allows use with virtually any grease-dispensing valve
- Oval-gear technology
- Accurately dispense grease without guesswork
- Lubrication points receive factory-specified amount of lubricant
- Decreases lubricant waste
- Ideal for preventative maintenance programs

REQUIRED ACCESSORIES:

- Grease Meter Adapter Kit for 3530 & 3530-A:
 - Grease Guns 500, 525 and 550 (41531)
 - Control Valve 6320-3 (327899-3)
 - Grease Guns 1056 and 4015 series and Control Valve 7421-3 (327899-6)
 - Grease Guns 6243-J3 and 6679-J3 (306722)
 - Grease Guns 575 and 585 series (340062)
 - Lincoln Grease Gun (340180)

Product #	Operating Pressure (Max.)	Flow Rate	Thread Sizes	Battery Size	Unit of Measure
3530	10,000 psi / 700 bar	.2 - 5.5 lbs./min	1/8" NPTF(f) in and out	(2) 1.5V Alkaline	oz., lb.
3530-A	10,000 psi / 700 bar	3.2 - 88 oz./min	1/8" NPTF(f) in and out	(2) 1.5V Alkaline	gr., kg.
Grease Meter Kits *					
3530-B	10,000 psi / 700 bar	.4 - 11 lbs./min	1/4" NPTF(f) in and out	(2) 1.5V Alkaline	oz., lb.
3530-C	10,000 psi / 700 bar	.4 - 11 lbs./min	1/4" NPTF(f) in and out	(2) 1.5V Alkaline	gr., kg.
3530-K	10,000 psi / 700 bar	.2 - 5.5 lbs./min	1/8" NPTF(f) in and out	(2) 1.5V Alkaline	oz., lb.

IMPORTANT INFORMATION

* Kits include adapters needed to connect meter to grease gun or control valve

Control Valves and Meters

In-Line Meters

These meters accurately dispense a variety of fluids including motor oils, gear oils and ATF. Electronic models feature an easy-to-read LCD display. Mechanical models feature a large, easy-to-read face dial.



3630-A

- FEATURES:
- Meters can measure the quantity dispensed in pints, quarts, gallons or liters with a built-in totalizer
 - 1/2" NPTF(f) inlet/outlet
 - Easy to calibrate
 - Units feature an electronic digital readout
 - Units include a large internal 30-mesh strainer

Electronic				
Product #	Fluids	Measures	Totalizes	Weight
3630	Lubricants	qt.	gal.	1.7 lb.
3630-A	Lubricants	ltr.	ltr.	1.7 lb.
3631	Lubricants	pt.	gal.	1.7 lb.
3632	Lubricants	gal.	gal.	1.7 lb.

152



3684

- FEATURES:
- Easy-to-read 3-1/4" diameter dials color-coded for quick identification
 - 1/2" NPTF(f) inlet/outlet
 - Max operating pressure: 1,000 psi

Mechanical						
Product #	Desc.	Fluid	Dial Registers	Odometer Registers	Dial Range	Weight
3681	Red Dial	Gear Oil, ATF	pt.	pt.	8 pt.	2.9 lb.
3684	Blue Dial	Oil	qt.	gal.	16 qt.	3.1 lb.
3684-D	Blue Dial	Oil	ltr.	ltr.	16 ltr.	6.4 lb.



Control Valves and Meters

Electronic Meters

Lightweight and easy to use, Alemite's Electronic Meters are accurate, reliable, durable and shock resistant. The units combine an electronic, stationary, in-line meter and a 7498-series control valve with a selection of different nozzles to fit individual applications by product type.



3620-B

FEATURES:

- Ergonomic trigger design makes for easy dispensing
- Meters can measure the quantity dispensed in pints, quarts, gallons or liters with a built-in totalizer
- Easy to calibrate
- Units feature an electronic digital readout
- Units include a large internal 30-mesh strainer

Product #	Description	Fluids	Measures	Totalizes	Extension	Non-Drip Tip	Weight
3620	Electronic Meter	Lubricants	qt.	gal.	Rigid	Automatic	5 lb.
3620-A	Electronic Meter	Lubricants	ltr.	ltr.	Rigid	Automatic	4.9 lb.
3620-B	Electronic Meter	Lubricants	qt.	gal.	Rigid	Manual	4.75 lb.
3621	Electronic Meter	Lubricants	qt.	gal.	Flexible	Automatic	5.2 lb.
3621-A	Electronic Meter	Lubricants	ltr.	ltr.	Flexible	Automatic	5.2 lb.
3621-B	Electronic Meter	ATF & Hydraulic Oil	qt.	gal.	Flexible with filter	Manual	5.2 lb.
3622	Electronic Meter	ATF & Hydraulic Oil	qt.	gal.	Flexible with filter	Automatic	5.2 lb.
3622-A	Electronic Meter	ATF & Hydraulic Oil	ltr.	ltr.	Flexible with filter	Automatic	5.7 lb.
3623	Electronic Meter	Gear Oil	pt.	gal.	Rigid	Automatic/Manual Lock	5.2 lb.
3623-A	Electronic Meter	Gear Oil	ltr.	ltr.	Rigid	Automatic/Manual Lock	4.9 lb.
3624-C	Electronic Meter	Lubricants	gal.	gal.	Rigid	Manual High Volume	5.9 lb.

Control Valves and Meters

Electronic Meters

Alemite's newest Electronic Meter allows users to dispense a wide range of fluid products with accuracy. The versatile design of the meter provides users with the capability of high-volume dispensing at a selected unit of measure.



FEATURES:

- Units feature an electronic digital readout
- Ergonomic trigger design allows for easy dispensing
- Rubber guard protects meter from damage
- Can measure quantity dispensed in pints, quarts, gallons, or liters
- Displays current delivery of fluids, then registers total amount of fluid used
- Easy to calibrate. No disassembly necessary
- Uses (2) standard AAA batteries - replaceable with a coin screw on the back of the meter
- Low battery indicator

Product #	Description	Fluids	Measures	Totalizes	Extension	Non-Drip Tip	Weight
3670-B	Electronic Meter	Oil	qt.	gal.	Rigid	Manual	3 lb.
3670-BL	Electronic Meter	Oil	ltr.	ltr.	Rigid	Manual	3 lb.
3671-B	Electronic Meter	Oil	qt.	gal.	Flexible	Manual	3 lb.
3671-BL	Electronic Meter Ext.	Oil	ltr.	ltr.	Flexible	Manual	3 lb.
3672-B	Electronic Meter	Trans. Fluid	qt.	gal.	Flexible	Manual	3 lb.
3672-BL	Electronic Meter	Trans. Fluid	ltr.	ltr.	Flexible	Manual	3 lb.
3673	Electronic Meter	Gear Oil	pt.	gal.	Rigid	Automatic	3 lb.
3673-L	Electronic Meter	Gear Oil	ltr.	ltr.	Rigid	Automatic	3 lb.
3674-C	Electronic Meter	Oil	gal.	gal.	Rigid	High-Volume Manual	3 lb.
3674-CL	Electronic Meter	Oil	ltr.	ltr.	Rigid	High-Volume Manual	3 lb.
3679	In-Line Elect. Meter	Oil	qt.	gal.	N/A	N/A	.83 lb.



Control Valves and Meters

Electronic Preset Meters

Alemite's newest dispensing valve, the 3640-I Series Electronic Preset Meter, allows users to dispense a wide range of fluid products with the accuracy of electronic sensing. The versatile design of the meter provides users with the capability of high-volume dispensing at a selected unit of measure.



3640-1

FEATURES:

- Dispenses fluids such as motor oil, gear oil, ATF, diesel fuel, antifreeze, and hydraulic fluid
- Oval gear meter design for high count precision with low flow resistance
- Automatically shuts off when it reaches a preset amount
- Emergency manual shut-off and a manual mode for "topping off"
- Stores up to six preset quantities plus last quantity
- Four-digit, floating point resettable batch totalizer allows subtotals for a set duration
- Seven-digit accumulative totalizer provides a total for the life of the meter
- Customizable features include automatic reset of batch total, calibration, and precision stopping calibration
- Lightweight and rugged with a comfortable grip
- Extension has five pre-set positions within a 75-degree range to provide easy dispensing. The extension is locked and can only be moved by pushing the safety button
- Four AA batteries are sealed in an easy-to-replace cartridge
- Low battery indicator

Product #	Description	Measures	Totalizes	Extension	Non-Drip Tip	Weight
3640-I	Electronic Preset Meter	qt., pt., gal., ltr.	gal., ltr.	Rigid	Automatic	3 lb.
3640-BI	Electronic Preset Meter	qt., pt., gal., ltr.	gal., ltr.	Rigid	Manual	3 lb.
3641-I	Electronic Preset Meter	qt., pt., gal., ltr.	gal., ltr.	Flexible	Automatic	3 lb.
3641-BI	Electronic Preset Meter	qt., pt., gal., ltr.	gal., ltr.	Flexible	Manual	3 lb.
3643-I	Electronic Preset Meter	qt., pt., gal., ltr.	gal., ltr.	Rigid	Automatic/Manual Lock	3 lb.
3644-CI	Electronic Preset Meter	qt., pt., gal., ltr.	gal., ltr.	Rigid	Manual High Volume	3 lb.

Control Valves and Meters

Non-Drip Nozzles

Alemite's non-drip nozzles help prevent drips and spills. Nozzles are available with an automatic shut-off or with a manual twist-lock mechanism.

Product #	Description	Used With
B339800	Automatic Assembly (blister pack)	3620 series, 3621, 3621-A, 3622, 3622-A, 3640 series, 3641-I, 3686-I, 3686-B, 7498
339084	Manual	3620-B, 3621-B, 3640-BI, 3641-BI, 3670-B, 3670-BL, 3671-B, 3671-BL, 3672-B, 3672-BL, 3685-J, 3685-F, 3685-G
340084	Manual High-Volume	3624-C, 3644-CI, 3674-C, 3691-C, 3690 series, 7498-C

Dispensing Valves and Bar Packages

Alemite offers a wide variety of fluid dispensing valves to meet user requirements. Valves are offered for dispensing a wide range of fluids for a "self-service" type environment.



7480-1

Fluid Dispensing Valve

FEATURES:

- Economical way to dispense oil from a drum or tank when reels and motors are not required
- Use with a 1:1 ratio pump
- Includes non-drip tip and fluid diffuser to minimize splashing
- Fluid inlet: 3/4" NPTF(m)
- Maximum operating pressure: 500 psi
- This valve can be purchased as part of a pump package



7481-1

Oil Bar Fluid Dispensing Valve

FEATURES:

- For use with oil bars
- Dispensing valve attaches to oil bar housing
- Permits easy filling of oil containers
- Includes non-drip tip and fluid diffuser to minimize splashing
- Fluid inlet: 3/4" NPTF(m)
- Maximum operating pressure: 500 psi



BSWA321

Manual Dispensing Valve

FEATURES:

- For dispensing water, antifreeze or windshield washer fluid
- Inlet: 1/4" NPTF(f)