

CV11 SERIES - OIL DISPENSE VALVE, 11 GAL/MIN

SAMSON control valves are used at the end of hose assembly to dispense lubricants and antifreeze solutions.

FLUIDS HANDLED

- Synthetic and mineral based lubricants.
- Gear Oil.
- Hydraulic oil and fluids.
- ATF.
- Antifreeze solutions.

MARKETS SERVED

- Car and truck dealerships.
- Fast lube and maintenance shops.
- Fleet service.
- Mining and construction.
- Lube trucks.

DURABILITY AND PERFORMANCE

- Extensively and rigorously field tested. Reliable performance.
- Aluminum body with light weight ergonomic design. Soft grip valve for comfort.
- Cam and piston valve design for minimum flow resistance.
- Large inlet swivel and inlet filter with large screen surface.
- Swivel and outlet covers.
- Safety latch must be depressed before product can be dispensed. Trigger can be locked open for dispensing large volumes.
- Wide selection of outlets available.

| TECHNICAL DATA | |
|--------------------------|---|
| Maximum flow rate | 11 gal/min (40 l/min) |
| Maximum working pressure | 1,450 psi (100 bar) |
| Fluid inlet | 1/2" NPT (F) |
| Fluid outlet | 1/2" NPT (F) |
| Wetted parts | Aluminum / Zinc plated steel / TPU / Polyamide |
| Fluid compatibility | Lubricants, ATF, antifreeze (Glycol) and antifreeze water solutions |
| Weight (with no outlet) | 1 lb (470 g) |

MANUAL FOR ALL CV11 SERIES VALVES: 836 854

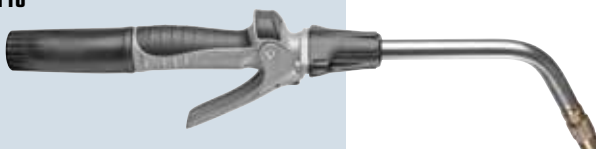
| ORDERING INFORMATION | | |
|----------------------|--|-----------------|
| PART No. | DESCRIPTION | OUTLET PART No. |
| 363 100 | Oil valve with no outlet | - |
| 363 116 | Oil valve with 60° rigid outlet and quarter turn non-drip tip | 369 231 |
| 363 114 | Oil valve with flexible outlet with 90° tube and quarter turn non-drip tip | 369 227 |
| 363 117 | Oil valve with formable outlet and quarter turn non-drip tip | 369 233 |
| 363 118 | Oil valve with formable outlet and quarter turn narrow non-drip tip (Ø 1/3") | 369 240 |
| 363 113 | Oil valve with straight flexible outlet and quarter turn non-drip tip | 369 247 |

Non-drip tips are manufactured in brass. See page 85 for outlets.

363 117



363 116



363 114



363 118



CONTROL VALVES FOR DISPENSING OIL AND OTHER FLUIDS



CV24 SERIES - HIGH FLOW OIL DISPENSE VALVE, 24 GAL/MIN

SAMSON large delivery control valves are used at the end of hose assembly to dispense large volumes of lubricants and antifreeze solutions.

FLUIDS HANDLED

- Synthetic and mineral based lubricants.
- Gear Oil.
- Hydraulic oil and fluids.
- ATF.
- Antifreeze solutions.

MARKETS SERVED

- Truck dealerships.
- Fleet service.
- Mining and construction.
- Lube trucks.
- Railroad and mass transit vehicles.

DURABILITY AND HIGH FLOW PERFORMANCE

- Extensively and rigorously field tested. Reliable performance.
- Heavy Duty aluminum pressure cast body to withstand the toughest working conditions.
- High flow pressure balanced valve for comfortable use.
- Large port inlet swivel (1" and 3/4"). Inlet filter with large screen surface.
- Safety guard avoids accidental openings.
- Trigger can be locked open for dispensing large volumes.
- Outlets have 3/4" BSP (M) connection thread and use a bonded seal washer to assure a leak free operation.

TECHNICAL DATA

| | |
|--------------------------|---|
| Maximum flow rate | 24 gal/min (90 l/min) |
| Maximum working pressure | 1,450 psi (100 bar) |
| Fluid inlet | 3/4" NPTF or 1" NPTF |
| Fluid outlet | 3/4" BSP (F) |
| Wetted parts | Aluminum / Zinc plated steel and brass / NBR |
| Fluid compatibility | All type of synthetic and mineral oils, antifreeze solutions, hydraulic fluid |
| Weight | 4.5 lb (2.05 kg) |

MANUAL FOR ALL CV24 SERIES VALVES: 836 839

ORDERING INFORMATION

| PART NO. | OUTLET NOZZLE TYPE | INLET SWIVEL THREAD |
|----------------|--|---------------------|
| 363 053 | 30° rigid with semiautomatic non-drip tip. | 3/4" NPTF |
| 363 054 | Flexible outlet with semiautomatic non-drip tip. | 3/4" NPTF |
| 363 055 | 30° rigid with semiautomatic non-drip tip. | 1" NPTF |
| 363 056 | Flexible outlet with semiautomatic non-drip tip. | 1" NPTF |

See page 85 for outlets.

363 054
363 056



363 053
363 055

05
VALVES AND
METERS

ELECTRONIC METERED CONTROL VALVES FOR DISPENSING OIL AND OTHER FLUIDS

EC8 SERIES - OVAL GEAR WITH DIGITAL DISPLAY HAND HELD METER, 8 GAL/MIN

SAMSON metered control valves are used at end of hose assembly for measured dispensing of lubricants and antifreeze solutions.

FLUIDS HANDLED

- Synthetic and mineral based lubricants.
- Gear Oil.
- Hydraulic oil and fluids.
- ATF.
- Antifreeze solutions.

MARKETS SERVED

- Car and truck dealerships.
- Fast lube and maintenance shops.
- Fleet service.
- Mining and construction.
- Lube trucks.

365 537



ACCURACY, DURABILITY AND HIGHER FLOW PERFORMANCE

- Extensively and rigorously field tested. Reliable performance.
- High precision machined measuring chamber with tight tolerances, quality gears and stainless steel shafts eliminate the need of calibration to adjust for fluid viscosity.
- Sealed battery compartment and isolated electronic register for extended life.
- Easy to read large character display, with batch, trip (resettable totalizer) and totalizer functions.
- Rough TPE boot surrounds the entire meter for even greater durability.
- Replaceable AAA batteries.

TECHNICAL DATA

| | |
|--------------------------|--|
| Maximum flow rate | 8 gal/min (30 l/min) |
| Accuracy | +/- 0.5 % |
| Maximum working pressure | 1,450 psi (100 bar) |
| Batteries | 2 x AAA 1.5 V alkaline batteries |
| Fluid inlet | 1/2" NPT (F) |
| Fluid outlet | 1/2" NPT (F) |
| Wetted parts | Acetal / Aluminum/ Stainless steel / NBR / Zinc plated steel / TPU / Polyamide |
| Fluid compatibility | Lubricants, ATF, antifreeze (glycol) and antifreeze - water solutions |
| Weight | 2.86 lb (1,30 kg) |

MANUAL FOR ALL EC8 SERIES VALVES: 836 854 + 836 853

Units of measure can be selected in quarts, gallons, pints or liters.

ORDERING INFORMATION

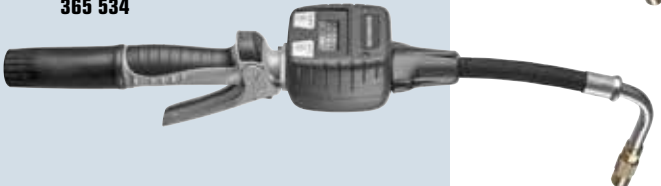
| PART No. | OUTLET NOZZLE TYPE | OUTLET PART No. |
|----------|---|-----------------|
| 365 521 | Hose end meter with no outlet | - |
| 365 536 | 60° rigid with quarter turn non-drip tip | 369 231 |
| 365 534 | Flexible outlet with 90° angled tube with quarter turn non-drip tip | 369 227 |
| 365 537 | Formable outlet with quarter turn non-drip tip | 369 233 |
| 365 538 | Formable outlet with quarter turn narrow non-drip tip (Ø 1/3") | 369 240 |
| 365 533 | Flexible straight with quarter turn non-drip tip | 369 247 |

Non-drip tips are manufactured in brass.
See page 85 for outlets.

365 536



365 534



365 538



ELECTRONIC METERED CONTROL VALVES FOR DISPENSING OIL AND OTHER FLUIDS



EC19 SERIES - OVAL GEAR HAND HELD HIGH FLOW METER, 19 GAL/MIN

SAMSON High Flow metered control valves are used at the end of hose assembly for measured dispensing of large volumes of lubricants and antifreeze solutions.

FLUIDS HANDLED

- Synthetic and mineral based lubricants.
- Gear Oil.
- Hydraulic oil and fluids.
- ATF.
- Antifreeze solutions.

MARKETS SERVED

- Truck dealerships.
- Fleet service.
- Mining and construction.
- Lube trucks.
- Railroad and Mass Transit.

ACCURACY, DURABILITY AND HIGH FLOW PERFORMANCE

- Extensively and rigorously field tested. Reliable performance.
- High precision machined measuring chamber with tight tolerances, quality gears and stainless steel shaft eliminate the need of calibration to adjust for fluid viscosity.
- Sealed battery compartment and isolated electronic register for extended life.
- Easy to read large character display, with batch, trip (resettable totalizer) and totalizer functions.
- Rough TPE boot surrounds the entire meter for even greater durability.
- Replaceable AAA batteries.

TECHNICAL DATA

| | |
|--------------------------|--|
| Maximum flow rate | 19 gal/min (70 l/min) |
| Accuracy | +/- 0,5% |
| Maximum working pressure | 1,450 psi (100 bar) |
| Batteries | 2 x AAA 1.5 V alkaline batteries |
| Fluid inlet | 3/4" NPTF or 1" NPTF |
| Fluid outlet | 3/4" BSP (F) |
| Wetted parts | Acetal / Aluminum/ Stainless steel / Zinc plated steel and brass / NBR |
| Fluid compatibility | Lubricants, ATF, antifreeze (glycol) and antifreeze-water solutions |
| Weight | 6.30 lb (2,85 kg) |

MANUAL FOR ALL EC19 SERIES VALVES: 836 839 + 836 852

Units of measure can be selected in quarts, gallons, pints or liters.

ORDERING INFORMATION

| PART No. | OUTLET NOZZLE TYPE | INLET SWIVEL THREAD |
|----------------|---|---------------------|
| 365 655 | 30° rigid with semiautomatic non-drip tip | 3/4" NPT |
| 365 654 | Flexible outlet with semiautomatic non-drip tip | 3/4" NPT |
| 365 657 | 30° rigid with semiautomatic non-drip tip | 1" NPT |
| 365 656 | Flexible outlet with semiautomatic non-drip tip | 1" NPT |

See page 85 for outlets.

365 534
365 657



365 655
365 657

05
VALVES AND
METERS

MECHANICAL METERED CONTROL VALVES FOR DISPENSING OIL AND OTHER FLUIDS

MC8 SERIES - ROTARY PISTON MECHANICAL METER, 8 GAL/MIN

SAMSON mechanical metered control valves are used at the end of hose assembly for measured dispensing of lubricants and antifreeze solutions in tough, intensive use applications.

365 801



FLUIDS HANDLED

- Synthetic and mineral based lubricants.
- Gear Oil.
- Hydraulic oil and fluids.
- ATF.
- Special model for antifreeze solutions available.

MARKETS SERVED

- Car and truck dealerships.
- Fast lube and maintenance shops.
- Fleet service.
- Mining and construction.
- Lube trucks.
- Railroad and Mass Transit.

ACCURACY AND DURABILITY WITH PROVEN PERFORMANCE

- Extensively and rigorously field tested. Reliable performance.
- No calibration required. High accuracy within a large viscosity range.
- One piece polycarbonate based integral register housing and single molded pointer knob guarantee maximum integrity of the meter against drops and impacts and provide superb protection against humidity.
- Fully mechanical register.
- Simple and easy to read dial includes 5-digit totalizer
- Very tough metal construction, the meter is ideal for intensive use and outdoor applications.
- CV11 SERIES control valve is flange coupled to eliminate the use of adaptors and eliminate leaks.

TECHNICAL DATA

| | |
|--------------------------|---|
| Maximum flow rate | 8 gal/min (30 l/min) |
| Accuracy | +/- 0.65 % |
| Maximum working pressure | 1,450 psi (100 bar) |
| Fluid inlet | 1/2" NPTF |
| Fluid outlet | 1/2" NPTF |
| Wetted parts | Aluminum / Zinc alloy / Stainless steel / NBR / Brass / Steel / TPU / Polyamide |
| Fluid compatibility | Synthetic and mineral oils, ATF, Antifreeze, Gear oils |
| Weight | 3.74 lb (1,7 kg) |

MANUAL FOR ALL MC8 SERIES VALVES: 836 854 + 836 862

ORDERING INFORMATION

| PART No. | OUTLET NOZZLE TYPE | OUTLET PART No. |
|---|---|-----------------|
| QUARTS/GALLONS METERS. 4 - 16 QUARTS DIAL, TOTALIZER IN GALLONS - LUBRICANTS | | |
| 365 805 | Flexible outlet with quarter turn non-drip tip | 369 247 |
| 365 806 | Formable outlet with quarter turn non-drip tip | 369 233 |
| 365 802 | 60° Rigid outlet with quarter turn non-drip tip | 369 231 |
| QUARTS/GALLONS METERS. 4 - 16 QUARTS DIAL, TOTALIZER IN GALLONS - ANTIFREEZE | | |
| 365 826 | Formable outlet with quarter turn non-drip tip | 369 233 |
| METRIC METERS. 0 - 10 LITERS DIAL, TOTALIZER IN LITERS - LUBRICANTS | | |
| 365 803 | Flexible outlet with quarter turn non-drip tip | 369 247 |
| 365 804 | Formable outlet with quarter turn non-drip tip | 369 233 |
| 365 801 | 60° Rigid outlet with quarter turn non-drip tip | 369 231 |
| METRIC METERS. 0 - 10 LITERS DIAL, TOTALIZER IN LITERS - ANTIFREEZE | | |
| 365 824 | Formable outlet with quarter turn non-drip tip | 369 233 |

Non-drip tips are manufactured in brass.

All models include inlet swivel with shroud and the outlet listed for each model.

See page 85 for outlets.

365 803



MECHANICAL METERED PRESET CONTROL VALVES FOR DISPENSING OIL AND OTHER FLUIDS



MC8P - ROTARY PISTON MECHANICAL PRESET METER, 8 GAL/MIN

SAMSON mechanical preset metered dispense valves allow filling of large crankcases, engines and other lubricant reservoirs. For automatic operation, set the dial pointer to the quantity needed and actuate the trigger for automatic latching. The valve will deliver the volume requested and then shut off.

365 817

FLUIDS HANDLED

- Synthetic and mineral based lubricants.
- Gear Oil.
- Hydraulic oil and fluids.
- ATF.

MARKETS SERVED

- Truck dealerships.
- Fleet service.
- Mining and construction.
- Lube trucks.
- Railroad and Mass Transit.



05
VALVES AND METERS

ACCURACY, DURABILITY AND EXTRA PERFORMANCE

- Extensively and rigorously field tested. Reliable performance.
- No calibration required. High accuracy within a large viscosity range.
- One piece polycarbonate based integral register housing and single molded pointer knob guarantee maximum integrity of the meter against drops and impacts and provide superb protection against humidity.
- The reset mechanism incorporates a safety clutch for preserving the preset mechanism in case the knob is turned in the wrong direction.
- High wear and stress resistant shut off mechanism.
- Simple and easy to read dial includes 5-digit totalizer
- Very tough metal construction, the meter is ideal for intensive use and outdoor applications.
- CV11 SERIES Control valve is flange coupled to eliminate the use of adaptors and eliminate leaks.

TECHNICAL DATA

| | |
|--------------------------|---|
| Maximum flow rate | 8 gal/min (30 l/min) |
| Accuracy | +/- 0.65 % |
| Maximum working pressure | 1,450 psi (100 bar) |
| Fluid inlet | 1/2" NPTF |
| Fluid outlet | 1/2" NPTF |
| Wetted parts | Aluminum / Zinc alloy / Stainless steel / NBR / Brass / Steel / TPU / Polyamide |
| Fluid compatibility | Synthetic and mineral oils |
| Weight | 4.40 lb (2 kg) |

MANUAL FOR ALL MC8P SERIES VALVES: 836 868

ORDERING INFORMATION

| PART No. | OUTLET NOZZLE TYPE | OUTLET NOZZLE PART No. |
|--|--|------------------------|
| 0 - 60 QUARTS DIAL, TOTALIZER IN GALLONS | | |
| 365 817 | Rigid outlet with semiautomatic non-drip tip | 369 244 |
| 0 - 60 GALLONS DIAL, TOTALIZER IN GALLONS | | |
| 365 813 | Rigid outlet with semiautomatic non-drip tip | 369 244 |
| 0 - 60 LITERS DIAL, TOTALIZER IN LITERS | | |
| 365 811 | Rigid outlet with semiautomatic non-drip tip | 369 244 |

See page 85 for outlets.