

Balcrank

Fluid Dispensing Systems

Automotive | Commercial | Industrial

Control Handles



Oil Control Handles Product Selection Matrix

UNIT OF MEASURE	FLOW RANGE	MAX. PRESSURE	WEIGHT	RECOMMENDED FLUIDS
NON-METERED				
-	0.26 - 10.5 gal/min (1-40 l/min)	1,450 psi (100 bar)	3.30 lb (1.5 kg)	Oil, transmission fluid, hydraulic fluid, and anti-freeze solutions
DR SERIES METERED				
gallon quart pint liter	0.26 - 8 gal/min (1-30 l/min)	1,450 psi (100 bar)	4 lb (1.80 kg)	Oil, transmission fluid, hydraulic fluid, and anti-freeze solutions
MR SERIES METERED				
quart liter	0.26 - 8 gal/min (1-30 l/min)	1,450 psi (100 bar)	3.75 lb (1.7 kg)	Oil, transmission fluid, hydraulic fluid, and anti-freeze solutions
MR SERIES PRESET METERED				
gallon quart liter	0.25 - 8 gal/min (1-30 l/min)	1,450 psi (100 bar)	4.4 lb (2 kg)	Oil, transmission fluid, hydraulic fluid, and anti-freeze solutions
HIGHFLO NON-METERED				
-	0.26 - 24 gal/min (1-90 l/min)	1,450 psi (100 bar)	4.5 lb (2.05 kg)	Oil, transmission fluid, hydraulic fluid, and anti-freeze solutions
HIGHFLO METERED				
gallon quart pint liter	0.52 - 19 gal/min (2-70 l/min)	1,450 psi (100 bar)	6.3 lb (2.85 kg)	Oil, transmission fluid, hydraulic fluid, and anti-freeze solutions
CONTROL HANDLE FOR WATER BASED FLUIDS NON-METERED				
-	8 gal/min (30 l/min)	725 psi (50 bar)	1 lb (0.4 kg)	Anti-freeze, windshield wash solution, and water
CONTROL HANDLE METERED FOR WATER BASED FLUIDS METERED				
gallon quart pint liter	8 gal/min (30 l/min)	725 psi (50 bar)	2.2 lb (1kg)	Anti-freeze, windshield wash solution, and water
ELECTRONIC PRESET METERED				
gallon quart pint liter	0.25 - 10 gal/min (1-38 l/min)	1,000 psi (70 bar)	5.5 lb (2.5 kg)	Oil, transmission fluid, hydraulic fluid, and anti-freeze solutions



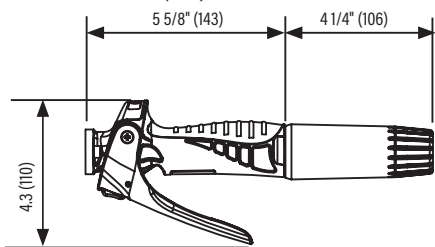
Control Handles Non-Metered



TECHNICAL DATA

Flow Rate	0.26-10.5 gal/min (1-40 l/min)
Maximum pressure	1,450 psi (100 bar)
Swivel Inlet	1/2" NPT(F) Swivel
Dispense Nozzle OD	Auto = 0.605" Manual 1/4 turn for OIL = 0.705" Manual 1/4 turn for ATF = 0.315" Verify ID of ATF fill port for compatibility
Operating Temperature	14 °F to 140 °F (-10 °C to 60 °C)
Weight	3.30 lb (1.5 kg)
Compatible Fluids	Oil, transmission fluid, hydraulic fluid, and anti-freeze solutions
Wetted Materials	Aluminum, stainless steel, zinc alloy, Buna-N™, zinc plated steel and brass
Service Bulletin	SB 3095

Dimensions inches (mm)



833398 Multi Colored set; red, yellow, green, blue (4 pcs)
833398RD Red - 1 each
833398YL Yellow - 1 each
833398BL Blue - 1 each
833398GR Green - 1 each
833398BK Black - 1 each

Features

- Fully ported, ball bearing, inlet swivel included.
- Easy access fluid inlet screen included at swivel.
- Included swivel hose-end cover, protects vehicle or machine surfaces from scratches.
- Easy access for service of the rotary piston mechanism.
- Trigger lock button prevents accidental control valve opening and allows the control valve to be locked in open position for large volumes dispense.
- Cam & piston valve design optimized for superb control and minimal flow resistance.
- Ergonomically designed grip handle for optimum comfort.

Fluids

- Synthetic and mineral based lubricants
- Gear Oil
- Hydraulic oil and fluids
- ATF
- Anti-freeze (glycol) and anti-freeze water solution

Markets Served

- Car and truck dealers
- Fast lube and maintenance shops
- Fleets
- Mining and construction
- Lube trucks
- Railroad and mass transit

MODELS AVAILABLE	EXTENSION TYPE & NOZZLE	EXTENSION CODE
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Verify ID of ATF fill port for compatibility.

3320-026	Flex Auto	3332-095
3320-022	Rigid 1/4 turn - OIL	3332-091
3320-023	Flex 90 1/4 turn - OIL	3332-092
3320-024	Flex Memory 1/4 turn - OIL	3332-093
3320-032	Flex Memory 1/4 turn - ATF	3332-104
3320-056	Bare	-

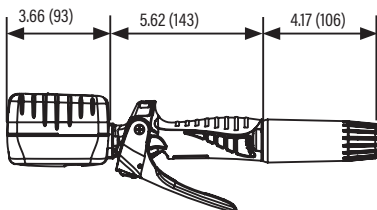
Control Handles DR Meter (Digital Register Meter)



See Dispense nozzle OD for important details

TECHNICAL DATA	
Units of measure	Batch: Gallons, Quarts, Pints, and Liters (in 0.01 increments)
Accuracy	+/- 0.5% of reading (lubricating oils)
Flow Range	0.26-8 gal/min (1-30 l/min)
Maximum pressure	1,450 psi (100 bar)
Swivel inlet	1/2" NPT(F)
Dispense Nozzle OD	Auto = 0.605" Manual 1/4 turn for OIL = 0.705" Manual 1/4 turn for ATF= 0.315" Verify ID of ATF fill port for compatibility
Operating temperature	14 °F to 140 °F (-10 °C to 60 °C)
Weight	4 lb (1.80 kg)
Battery	2 x 1.5 v alkaline "AAA"
Compatible Fluids	Oil, transmission fluid, hydraulic fluid, and anti-freeze solutions
Wetted Materials	Liquid Crystal Polymer (LCP), aluminum, Buna-N™, zinc plated steel, stainless steel, neodymium, and brass
Service Bulletin	SB 3095

Dimensions inches (mm)



- 833398** Multi Colored set; red, yellow, green, blue (4 pcs)
- 833398RD** Red - 1 each
 - 833398YL** Yellow - 1 each
 - 833398BL** Blue - 1 each
 - 833398GR** Green - 1 each
 - 833398BK** Black - 1 each



Features

- Precision robotically machined aluminum die-cast fluid chamber for repeatable accuracy
- Sealed battery compartment; 2 AA batteries
- Low power consumption with auto sleep function.
- Trip mode function; can operate as a simple fluid management device.
- Non-resettable totalizer; maintains total volume of meter since day one.
- Ergonomic comfort handle
- Unique 1/4 turn manual tip; fast, simple.
- Flanged coupling; prevents leaks commonly found in competitive meters.
- Swivel protective cover.
- Affordable repair-ability.

Fluids

- Synthetic and mineral based lubricants
- Gear Oil
- Hydraulic oil and fluids
- ATF
- Anti-freeze (glycol) and anti-freeze water solution

Markets Served

- Car and truck dealers
- Fast lube and maintenance shops
- Fleets
- Mining and construction
- Lube trucks

MODELS AVAILABLE	EXTENSION TYPE & NOZZLE	EXTENSION CODE
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Verify ID of ATF fill port for compatibility.

3330-161	Flex Auto	3332-095
3330-157	Rigid 1/4 turn - OIL	3332-091
3330-158	Flex 90 1/4 turn - OIL	3332-092
3330-159	Flex-memory 1/4 turn - OIL	3332-093
3330-169	Rigid 1/4 turn - ATF	3332-101
3330-172	Flex-memory 1/4 turn - ATF	3332-104
3330-166	DR bare	-

Control Handles MR Meter (Mechanical Registry Meter)



Features

- 1 piece molded pointer knob is resistant to impacts
- No calibration required; precision machined metering chamber assures repeatable accuracy
- Viscosity and temperature change does not affect accuracy.
- 33% improved performance over competitive mechanical meters
- 5-digit totalizer; keeps lifetime record of volume dispensed.
- Easy access filter in swivel at meter inlet Swivel protective cover.
- Unique 1/4 turn manual tip; fast, simple
- Flanged coupling; prevents leaks commonly found in competitive meters.
- Ergonomic comfort handle

Fluids

- Synthetic and mineral based lubricants
- Gear Oil
- Hydraulic oil and fluids
- ATF
- Anti-freeze (Glycol)

Markets Served

- Car and truck dealers
- Fast lube and maintenance shops
- Fleets
- Mining and construction
- Lube trucks
- Railroad and mass transit

TECHNICAL DATA

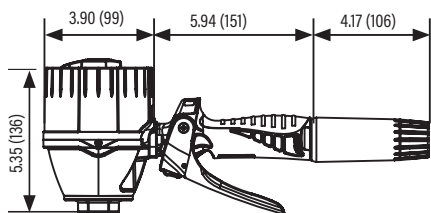
Units of measure	Quarts and Liters (in 0.01 increments)
Accuracy	+/- 0.65%
Flow Rate	0.26 - 8 gal/min (1 - 30 l/min)
Maximum pressure	1,450 psi (100 bar)
Swivel Inlet	1/2" NPT(F) Swivel
Dispense Nozzle OD	Auto = 0.605" Manual 1/4 turn for OIL = 0.705" Manual 1/4 turn for ATF= 0.315" Verify ID of ATF fill port for compatibility
Operating Temperature	14 °F to 140 °F (-10 °C - 60 °C)
Weight	3.75 lb (1.7 kg)
Compatible Fluids	Oil, transmission fluid, hydraulic fluid, and anti-freeze solutions
Wetted Materials	Aluminum, stainless steel, zinc alloy, Buna-N™, zinc plated steel and brass
Service Bulletin	SB 3096

MODELS AVAILABLE	EXTENSION TYPE & NOZZLE	EXTENSION CODE U/M
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Verify ID of ATF fill port for compatibility.

3330-189	Rigid 1/4 turn-OIL	3332-091	Qt
3330-192	Flex Memory 1/4 turn-OIL	3332-093	Qt
3330-196	Flex Memory 1/4 turn-ATF	3332-104	Qt
3330-177	Rigid 1/4 turn-OIL	3332-091	L
3330-180	Flex Memory 1/4 turn-OIL	3332-093	L
3330-184	Flex Memory 1/4 turn-ATF	3332-104	L
3330-202	MR Bare		L
3330-203	MR Bare		Q

Dimensions inches (mm)



Control Handles MR Meter (Mechanical Preset Meter)



Features

- MR style meter with preset function.
- Preset mode dispensing allows hands-off operation as the meter automatically shuts off once the preset volume is delivered.
- Meter with analogue dial display, works without batteries and performs well in all environment. Includes inlet swivel and rigid outlet with non-drip nozzle.
- 1 piece molded pointer knob is resistant to impacts.
- No calibration required; precision machined metering chamber assures repeatable accuracy.
- Viscosity and temperature change does not affect accuracy.
- 33% improved performance over competitive mechanical meters.
- 5-digit totalizer; keeps lifetime record of volume dispensed.
- Easy access filter in swivel at meter inlet
- Swivel protective cover.
- Flanged coupling; prevents leaks commonly found in competitive meters.
- Ergonomic comfort handle

Fluids

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

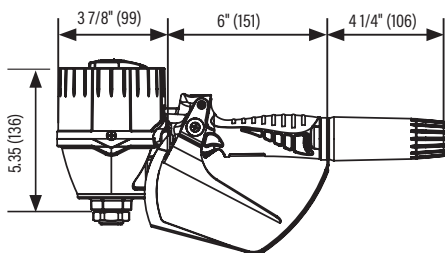
Markets Served

- Car and truck dealers
- Fast lube and maintenance shops
- Fleets
- Mining and construction
- Lube trucks
- Railroad and mass transit

TECHNICAL DATA

Units of measure	Gallons, Quarts, and Liters
Accuracy	+/- 0.65%
Flow Rate	0.25 - 8 gal/min (1 - 30 l/min)
Maximum pressure	1,450 psi (100 bar)
Swivel inlet	1/2" NPT(F)
Operating temperature	-49 °F to 158 °F (-45 °C to 70 °C)
Weight	4.4 lb (2 kg)
Compatible Fluids	Oil, transmission fluid, hydraulic fluid, and anti-freeze solutions
Wetted Materials	Zinc alloy, aluminum, Buna-N™, stainless steel, brass, steel, TPU and polyamide
Service Bulletin	SB 3106

Dimensions inches (mm)



MODELS AVAILABLE	EXTENSION TYPE & NOZZLE	U/M DIAL U/M TOTALIZER
3331- 024	Rigid straight Semi-auto tip	0-60 Liters
3331- 023	Rigid straight Semi-auto tip	0-60 Quarts
3331- 025	Rigid straight Semi-auto tip	0-60 Gallons

Control Handles HighFlo



Features

- HighFlo Control Handle is designed for service where higher volume deliveries are required.
- High volume rigid or flexible outlets with non-drip tip.
- 3/4" or 1" NPT inlet connection thread
- Ideal for bulk fill, transfer and high flow dispense.
- Heavy duty rugged design.

Fluids

- Synthetic and mineral based lubricants
- Gear Oil
- Hydraulic oil and fluids
- ATF
- Anti-freeze (Glycol)

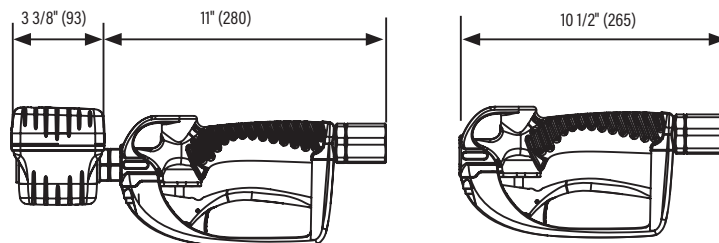
Markets Served

- Truck dealers
- Fleets
- Mining and construction
- Lube trucks
- Railroad and mass transit

TECHNICAL DATA		
	METERED	NON-METERED
Units of measure	Batch: Liters, quarts, pints, gallons	-
Accuracy	+/-0.5% of reading	-
Flow Range	0.52-19 gal/min (2-70 l/min)	0.26-24 gal/min (1-90 l/min)
Maximum pressure	1,450 psi (100 bar)	
Swivel inlet:	3/4" or 1" NPT(F)	
Operating Temperature	14 to 140 °F (-10 to 60 °C)	
Weight	6.3 lb (2.85 kg)	4.5 lb (2.05 kg)
Compatible Fluids	Oil, transmission fluid, hydraulic fluid, and anti-freeze solutions	
Wetted Materials	Acetal, aluminum, stainless steel, Buna-N™, zinc plated steel and brass	Aluminum, Buna-N™, zinc plated steel and brass
Service Bulletin	SB 3097 + SB 3098	SB 3097

MODELS AVAILABLE	DESCRIPTION
3330-197	Rigid - Metered 3/4" NPT(F) (F) Inlet
3330-198	Flex - Metered 3/4" NPT(F) (F) Inlet
3330-199	Rigid - Metered 1" NPT(F) (F) Inlet
3330-200	Flex - Metered 1" NPT(F) (F) Inlet
3320-051	Rigid - Non-Metered 3/4" NPT(F) (F) Inlet
3320-052	Flex - Non-Metered 3/4" NPT(F) (F) Inlet
3320-053	Rigid - Non-Metered 1" NPT(F) (F) Inlet
3320-054	Flex - Non-Metered 1" NPT(F) (F) Inlet

Dimensions inches (mm)



Control Handles Water based fluids



Features

- Reinforced polyamide body and stainless steel valve mechanism.
- Ergonomic-grip.
- Includes brass inlet swivel 1/2" NPT(F), flex-90 extension and a 1/4 turn manual tip.

Fluids

- Anti-freeze (Glycol)
- Windshield wash solution
- Water

Markets Served

- Car and truck dealers
- Fast lube and maintenance shops
- Fleets

TECHNICAL DATA	NON METERED	METERED
Units of measure	-	Batch: Quarts, Pints, Gallons and Liters (in 0.01 increments)
Accuracy	-	+/- 0.5% of reading (lubricating oils)
Flow Rate	8 gal/min (30 l/min)	
Maximum pressure	725 psi (50 bar)	
Swivel Inlet	1/2" NPT(F)	
Dispense Nozzle OD	Manual 1/4 turn for OIL = 0.705"	
Operating Temperature	122 °F (50 °C)	
Weight	1 lb (0.4 kg)	2.2 lb (1 kg)
Compatible Fluids	Anti-freeze, windshield wash solution, and water	
Wetted Materials	Fiberglass reinforced thermoplastic, polyurethane rubber, and brass	Fiberglass reinforced thermoplastic, polyurethane rubber, Viton [®] , brass, and stainless steel
Service Bulletin	SB 3105	

MODELS AVAILABLE	EXTENSION TYPE & NOZZLE	EXTENSION CODE
3320-055	Flex 90 1/4 turn - oil	3332-102
3330-201	Metered - Flex 90 1/4 turn - oil	3332-102

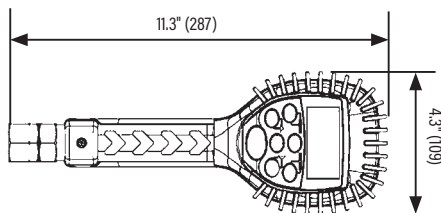
Control Handles EP Meter (Electronic Preset Meter)



TECHNICAL DATA

Units of measure	Quarts, pints, gallons, liters
Accuracy	+/- 0.5 %
Flow Range	0.25-10 gal/m (1-38 l/m)
Maximum pressure	1,000 psi (70 bar)
Swivel Inlet	1/2" NPT(F)
Battery	4 x alkaline "AA"
Weight	5.5 lb (2.5 kg)
Compatible Fluids	Oil, transmission fluid, hydraulic fluid, and anti-freeze solutions
Wetted Materials	Acetal, stainless steel, Buna-N™, brass, polyurethane
Service Bulletin	SB 3109

Dimensions inches (mm)



Features

Preset dispensing allows hands-free operation as the meter automatically shuts off once the desired preset amount is reached.

- Programmable for quarts, pints, gallons, liters
- Quick recall of last preset quantity
- Operates in manual or automatic preset mode
- 2 totalizers: re-settable total & accumulated total
- Emergency override; closes the valve immediately stopping flow
- Low battery indicator
- Can be calibrated for different fluid viscosities

Fluids

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

Markets Served

- Auto and truck dealerships
- Truck fast lube and maintenance shops
- Fleets
- Mining and construction
- Railroad and mass transit

MODELS AVAILABLE	DESCRIPTION
3331-028	Bare
3331-029	Rigid Hi-Flow
3331-030	Flex Hi-Flow

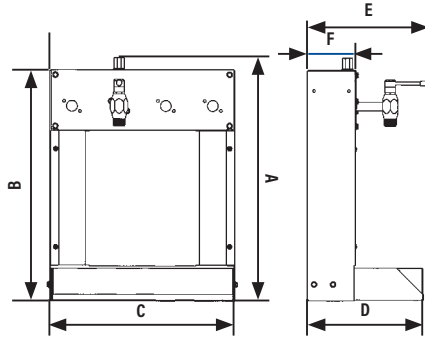
Accessories & Supplies Meters

DR METER							
	MODEL	MATERIAL	INLET/OUTLET THREADS	UNIT OF MEASURE	MAX PRESSURE	COMPATIBLE FLUIDS	SB
	3120-091 DIGITAL METER	Aluminum	1/2" NPT(F)	Liters, Gallons, Quarts, and pints	1450 psi (10 bar)	Oil, glycol, and coolant solutions	SB 3095
	3120-013 PULSE METER	CPVC	1/2" NPT(F)	Liters, Gallons, Quarts, and pints	450 psi (10 bar)	Glycol, windshield wash solutions and DEF	SB 3107
DR METER HIGHFLO							
	MODEL	MATERIAL	INLET/OUTLET THREADS	UNIT OF MEASURE	MAX PRESSURE	COMPATIBLE FLUIDS	SB
	3120-120 DIGITAL METER	Aluminum	3/4" NPT(F)	Liters, Gallons, Quarts, and pints	1450 psi (10 bar)	Oil, glycol and coolant solutions	SB 3098
	3120-014 PULSE METER	Aluminum	3/4" NPT(F)	Liters, Gallons, Quarts, and pints	1450 psi (10 bar)	Oil, glycol and coolant solutions	SB 3108

Control Handles Meter Extensions

DR EXTENSIONS & NOZZLES				
Verify ID of ATF fill port for compatibility				
	MODEL	INLET	EXT. TYPE	NOZZLE
	3332-098	1/2" NPT(M)	Rigid 60	Auto Tip OD = 0.605"
	3332-095	1/2" NPT(M)	Flex	Auto Tip OD = 0.605"
	3332-094	1/2" NPT(M)	Flex 90	Auto Tip OD = 0.605"
	3332-099	1/2" NPT(M)	Flex Memory	Auto Tip OD = 0.605"
	3332-091	1/2" NPT(M)	Rigid 60	For OIL 1/4 Turn Manual Tip OD = 0.705"
	3332-100	1/2" NPT(M)	Flex	For OIL 1/4 Turn Manual Tip OD = 0.705"
	3332-092	1/2" NPT(M)	Flex 90	For OIL 1/4 Turn Manual Tip OD = 0.705"
	3332-093	1/2" NPT(M)	Flex Memory	For OIL 1/4 Turn Manual Tip OD = 0.705"
	3332-101	1/2" NPT(M)	Rigid 60	For ATF 1/4 Turn Manual Tip OD = 0.315"
	3332-103	1/2" NPT(M)	Flex	For ATF 1/4 Turn Manual Tip OD = 0.315"
	3332-102	1/2" NPT(M)	Flex 90	For ATF 1/4 Turn Manual Tip OD = 0.315"
	3332-104	1/2" NPT(M)	Flex Memory	For ATF 1/4 Turn Manual Tip OD = 0.315"

Control Handles Oil Dispensing Equipment



DIMENSIONS INCHES (MM)					
A	B	C	D	E	F
24.4" (620)	22.8" (580)	19" (480)	11.6" (295)	9.25" (235)	5" (125)

NOTE: fluids must be compatible with wetted materials

Features

Balcrank's oil bar dispenser provides neat and convenient point-of-use dispensing for hand carried containers. This dispenser is easily incorporated into any fluid inventory control system.

- Up to four dispense points.
- Heavy duty, metal body.
- Drain with steel screen and 1/2" NPT hose connection.

Includes:

- One spigot (4200-011) with anti-splash, anti-drip diffuser nozzle
- Additional spigots sold separately

TECHNICAL DATA	
Max. Working Pressure	1,000 psi (68.9 bar)
Spigot Inlet	1/2" NPT(F)
Recommended Fluids	Lubricants, gear oil, ATF, hydraulic fluid, and anti-freeze
Wetted Materials	Steel, aluminum, and Buna-N™
Service Bulletin	SB4038

MODELS AVAILABLE	DESCRIPTION
4200-014	Oil Bar Dispenser -1 Spigot



MODEL AVAILABLE	DESCRIPTION
4200-011	Spigot Only

MODEL AVAILABLE	DESCRIPTION
4200-012	Straight Stem for Oil Bars

MODEL AVAILABLE	DESCRIPTION
4200-013	Goose neck (for use with taper pumps)

TECHNICAL DATA	
Max operating pressure	1,000 psi (68.9 bar)
Inlet port size	3/8" NPT(F)
Recommended Fluids	Lubricants, gear oil, ATF, Hydraulic Fluid, and anti-freeze NOTE: fluids must be compatible with wetted materials
Wetted Parts	Steel, Aluminum and Buna-N™
Service Bulletin	SB4037

TECHNICAL DATA	
Max operating pressure	1,000 psi (68.9 bar)
Inlet port size	3/8" NPT(F)
Recommended Fluids	Lubricants, gear oil, ATF, Hydraulic Fluid, and anti-freeze NOTE: fluids must be compatible with wetted materials
Wetted Parts	Steel, Aluminum and Buna-N™
Service Bulletin	SB4037

TECHNICAL DATA	
Max operating pressure	1,000 psi (68.9 bar)
Inlet port size	3/8" NPT(F)
Recommended Fluids	Lubricants, gear oil, ATF, Hydraulic Fluid, and anti-freeze NOTE: fluids must be compatible with wetted materials
Wetted Parts	Steel, Aluminum and Buna-N™
Service Bulletin	SB4037

Control Handles Grease - Comfort Grip and Pro-series



TECHNICAL DATA	
Max pressure Handle	7250 psi (500 bar)
Whip Hose	5,000 psi (345 bar)
Z-Swivel	5,000 psi (345 bar)
Swivel inlet:	1/4" NPT(F)
Compatible Fluids	NLGI #2 Grease
Wetted Materials	Steel and Aluminum
Service Bulletin	SB 3093



TECHNICAL DATA		
	3310-010	3310-009
Max pressure	5,000 psi (345 bar)	5,000 psi (345 bar) building to 10,000 psi (690 bar)
Swivel inlet	1/4" NPT(F)	1/4" NPT(F)
Compatible Fluids	NLGI #2 Grease	NLGI #2 Grease
Wetted Materials	Steel	Steel
Service Bulletin	SB 3018	SB 3006

Features

- Precision-machined, all steel handle and forged body provides reliable service.
- Precise, proportional trigger action.
- Balanced and knurled grip for less fatigue
- Easily repaired for extended life.
- For use with pneumatic grease pumps with a 50:1 ratio or less.
- Includes rigid lance, coupler and z-swivel.

MODELS AVAILABLE	DESCRIPTION
3310-030	Comfort Grip Grease Handle
3310-031	Comfort Grip Grease Handle with 18" Whip Hose
3310-032	Comfort Grip Grease Handle with 36" Whip Hose

Model 3310-010

- Precision-machined, all steel handle and forged body provides reliable service.
- Precise, proportional trigger action.
- Balanced and knurled grip
- Inlet screen included.
- For use with pneumatic grease pumps with a 50:1 ratio or less.





MODELS AVAILABLE	DESCRIPTION
3310-008	Pro Series Grease Handle
3310-010	Pro Series Grease Handle with Z-swivel
3310-025	Pro Series Grease Handle with 18" Whip Hose and Z-swivel
3310-020	Pro Series Grease Handle with 36" Whip Hose and Z-swivel

Model 3310-009






The Pro Series Booster high pressure control handle is designed for use as a standard control handle and as a "Booster" when extreme pressures is required up to 10,000 psi.

MODELS AVAILABLE	DESCRIPTION
3310-007	Pro Series Booster Grease Handle
3310-009	Pro Series Booster Grease Handle with Z-swivel

Control Handles Accessories

	<p>Flexible Extensions Flexible whip hose extensions with crimped ends Includes adapter to attach to grease control handle</p>	<p>8390-002, 18" Whip hose HP flexible extension 8390-003, 36" Whip hose HP flexible extension 8390-004, 42" Whip hose HP flexible extension</p> <p>Max. pressure 5,000 psi (345 bar). Hose end 1/8" NPT(M) on both ends. Compatible fluid NLGI #2 Grease</p>
	<p>Grease Coupler Standard super grip coupler</p>	<p>5200-017 Quick Lock grease coupler 1/8" NPT(F)</p> <p>5310-024 Grease coupler, 4-jaw. Max pressure 10,000 psi (690 bar). THREADS 1/8" -27 NPT. Compatible Fluid: NLGI #2 Grease</p>
	<p>Z-Swivel Swivel action for better control Installed between grease handle and fluid hose for freedom of motion Low friction ball bearing swivels High pressure packing</p>	<p>5310-018 Z-Swivel. Max pressure 5,000 psi (345 bar). Inlets: 1/4" NPT(F) x 1/4" NPT(M). Wetted materials: Steel</p>
	<p>Shrouds Protects vehicle or machine surfaces from scratches.</p>	<p>833398 Multi Colored set; red, yellow, green, blue (4 pcs)</p> <p>833398RD Red - 1 each</p> <p>833398YL Yellow - 1 each</p> <p>833398BL Blue - 1 each</p> <p>833398GR Green - 1 each</p> <p>833398BK Black - 1 each</p>

NOZZLES (for use with the DR extensions)

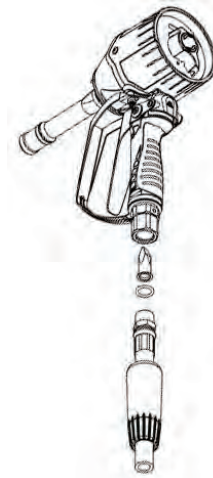
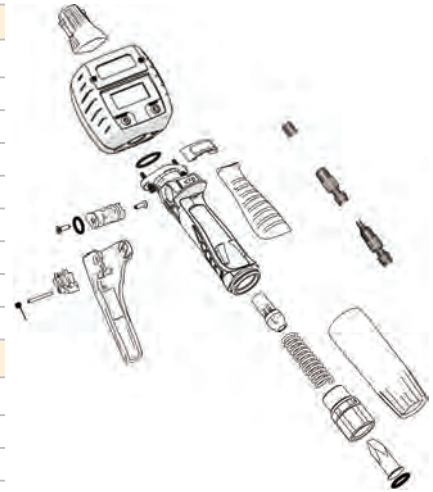
	MODEL	INLET	TIP OD	MAX. FLOW	NOZZLE
	3332-097	1/4" NPT(F)	0.612" Verify ID of ATF fill port for compatibility	2.1 gal/min (8 l/min)	Auto
	3332-096	1/4" NPT(F)	0.710" Verify ID of ATF fill port for compatibility	3.7 gal/min (14 l/min)	1/4 Turn Manual for OIL ports
	3332-105	1/4" NPT(F)	0.312" Verify ID of ATF fill port for compatibility	3.7 gal/min (14 l/min)	1/4 Turn Manual for ATF ports
	3332-090	3/8" NPT(F)	0.548" Verify ID of ATF fill port for compatibility	5.0 gal/min (18.9 l/min)	Semi-Auto
	3332-109	1/4" NPT(F)	0.548" Verify ID of ATF fill port for compatibility	5.0 gal/min (18.9 l/min)	Semi-Auto

Control Handle Repair Kits

DR METER		
HANDLE MODELS	KIT NUMBER	DESCRIPTION
All DR handle	833306	Inlet Swivel
All DR handle	833307	Trigger
All DR handle	833308	Valve
All DR handle	833309	Cam kit
DR Meter	833354	Swivel Cover
DR Meter	833381	O-ring
DR Meter	833310	Gears kit
DR Meter	833311	Circuit Board Kit

MR HANDLE		
HANDLE MODELS	KIT NUMBER	DESCRIPTION
All MR handle	833385	KIT, KNOB, MR METER
All MR handle	833386	KIT, SHROUD, MR METER, QUARTS
All MR handle	833387	KIT, SHROUD, MR METER, LITERS
All MR handle	833388	KIT, GEAR & INNER DIAL, MR METER, QUARTS
All MR handle	833389	KIT, GEAR & INNER DIAL, MR METER, LITERS
All MR handle	833390	KIT, TOTALIZER, MR METER
All MR handle	833391	KIT, METERING CHAMBER, MR METER, QUARTS
All MR handle	833392	KIT, METERING CHAMBER, MR METER, LITERS
All MR handle	833393	KIT, PACKING GLAND, HOUSING, MR METER
All MR handle	833306	KIT, INLET SWIVEL - DR HANDLE
All MR handle	833307	KIT, TRIGGER - DR HANDLE
All MR handle	833308	KIT, VALVE - DR HANDLE
All MR handle	833309	KIT, CAM - DR HANDLE
All MR handle	833354	COVER, SWIVEL, REPLACEMENT-DR HANDLE

MR HANDLE PRE-SET		
HANDLE MODELS	KIT NUMBER	DESCRIPTION
All MR handle	833306	KIT, INLET SWIVEL - DR HANDLE
All MR handle	833580	KIT, KNOB, MR PRESET
All MR handle	833581	KIT, SHROUD, MR PRESET, LITERS
All MR handle	833582	KIT, SHROUD, MR PRESET, QUARTS
All MR handle	833583	KIT, SHROUD, MR PRESET, GALLONS
All MR handle	833584	KIT, GEARS, MR PRESET, LITERS
All MR handle	833585	KIT, GEARS, MR PRESET, QUARTS
All MR handle	833586	KIT, GEARS, MR PRESET, GALLONS
All MR handle	833587	KIT, TOTALIZER, MR PRESET, LITERS
All MR handle	833588	KIT, TOTALIZER, MR PRESET, QTS/GAL
All MR handle	833589	KIT, METERING CHAMBER, MR PRESET, L
All MR handle	833590	KIT, METERING CHAMBER, MR PRESET, QG
All MR handle	833591	KIT, LOCK MECHANISM, MR PRESET
All MR handle	833592	KIT, HANDLE CAM, MR PRESET
All MR handle	833593	KIT, HANDLE VALVE, MR PRESET
All MR handle	833594	KIT, SWIVEL, MR PRESET
All MR handle	833381	O-RING/ BUNA/24MM ID X 2MM CS/DR METER
All MR handle	833393	KIT, PACKING GLAND, HOUSING, MR METER



Control Handle Repair Kits

HIGHFLO METER		
HANDLE MODELS	KIT NUMBER	DESCRIPTION
3320-051, 052, 053, 054	833376	3/4" NPT swivel with strainer and O-ring
3320-051, 052, 053, 054	833375	1" NPT swivel with strainer and O-ring
3320-051, 052, 053, 054	833378	Control valve body w/ 3/4" swivel (833376)
3320-051, 052, 053, 054	833377	Control valve body w/ 1" swivel (833375)
3320-051, 052, 053, 054	833380	Flex extension with Semi-Auto tip and bonded seal
3320-051, 052, 053, 054	833379	Rigid extension with Semi-Auto tip and bonded seal
PULSE METERS		
METER MODELS	KIT NUMBER	DESCRIPTION
DR FOR DEF		
3120-116	835306	Replacement Screen
3120-116	833507	KIT, FACE W/ ELECTRONICS - DR DEF METER
DR STYLE		
3120-114	833687	Replacement Screen
DR STYLE METER HIGH FLOW		
3120-120	833508	Gears Kit
3120-120	833311	Circuit Board Kit
3120-120	833376	3/4" NPT swivel with strainer and O-ring
3120-120	833375	1" NPT swivel with strainer and O-ring

