

Balcrank

Control Handles

Control Handles

*Innovative Technology
Precision Engineering
Accurate Dispensing*



Digital Register DR Meter



Introducing the Doctor! The new DR (Digital Registry) meter from Balcrank. "The cure for the common meter"

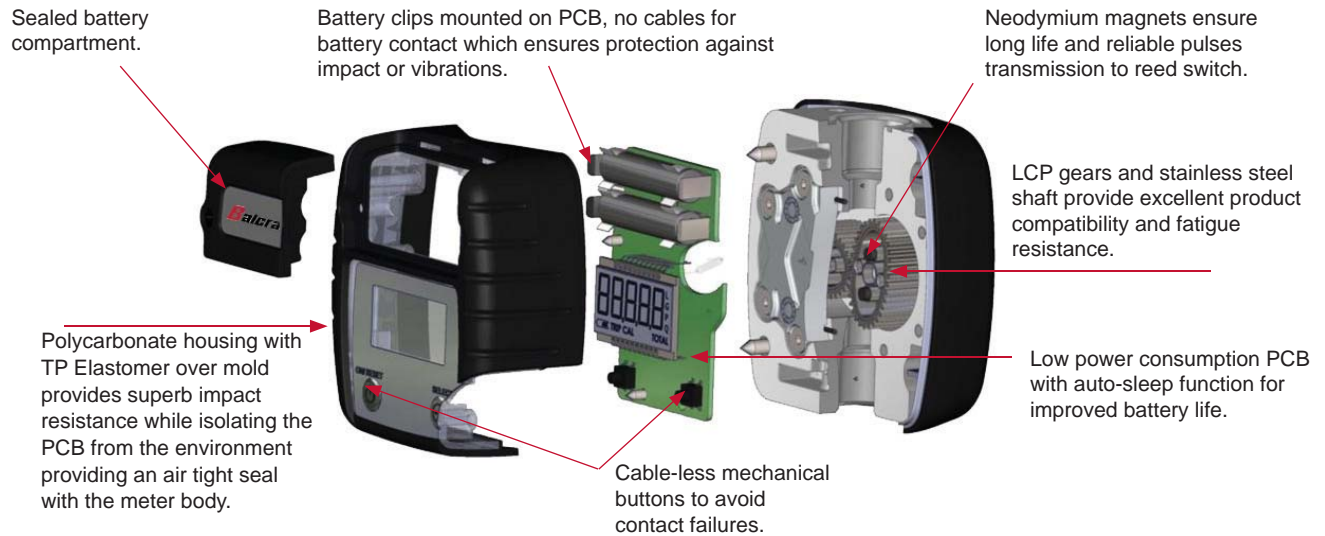
The DR meter carries with it new innovative technology in a digital meter. Our new meter is precision balanced, lightweight and ergonomically designed. Simple, accurate and efficient, this meter combines new features with proven oval gear technology.



NEW memory-flex extension; bend the extension to the desired angle and it retains its shape.

- No field calibration required: Precision machined aluminum die-cast fluid chamber maintains the tight tolerances required for repeatable accuracy. Each meter is individually tested for performance and accuracy which guarantees precise dispensing regardless of fluid viscosity, system pressure or changes in outside temperature.
- Meter housing: unique totally encased polycarbonate housing with TP Elastomer over mold provides superb impact resistance while isolating the electronic register module (ERC) from the environment which provides an airtight seal with the meter body.
- Sealed battery compartment: battery clips are mounted directly on the ERC, no cables for battery contact, which ensures protection against the environment, impact, or vibrations.
- Low power consumption: ERC with auto-sleep function for improved battery life.
- Trip mode function: resettable totalizer function can operate as an economical, simple fluid inventory control system.
- Non-resettable totalizer function: shows total fluid flow through the meter from day one and is unaffected by low or dead batteries.
- All new handle: aluminum body with lightweight ergonomic soft grip handle for comfort and precision balance.
- Unique 1/4 turn manual tip: effective and very fast, high flow, no splash and very easy to use.
- Flange coupling at the control valve: eliminates the use of connection adaptors which can become loose, providing superior integration of the meter and handle.
- Swivel cover protects automobiles from nicks and scratches.
- Large ported swivel: for comfort even at high pressures, includes durable inlet filter which protects meter from debris.
- Trigger lock button: prevents accidental dispense and also allows the gun to be locked in the open position.
- Affordable reparability: ERC can be changed easily.

Digital Register DR Meter



DR (Digital Registry) Meter



AVAILABLE MODELS

Model	Extension Type & Nozzle		
	Extension Type	Nozzle	Part Number
3330-162	Rigid	Auto	3332-098
3330-161	Flex	Auto	3332-095
3330-160	Flex 90	Auto	3332-094
3330-167	Flex-memory	Auto	3332-099
3330-157	Rigid	1/4 turn - OIL	3332-091
3330-168	Flex	1/4 turn - OIL	3332-100
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
3330-171	Flex	1/4 turn - ATF	3332-103
3330-170	Flex 90	1/4 turn - ATF	3332-102
3330-172	Flex-memory	1/4 turn - ATF	3332-104

Verify ID of ATF fill port for compatibility.

SPECIFICATIONS

Units of measure	Batch: Quarts, Pints, Gallons, and Liters (in 0.01 increments).
Accuracy	+/- 0.5% of reading (lubricating oils)
Flow Range	0.26-8 gal/m (1-30 l/m)
Max 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 temp	14°F -160°F (-10°C - 70°C)
Weight	3.2 lb (1.55 kg)
Battery	2 x 1.5v alkaline "AAA"
Compatible Fluids	Lubricants (up to SAE 140), ATF, Anti-freeze (Glycol), and Anti-freeze water solution
Wetted Materials	Liquid Crystal Polymer (LCP), Aluminium, Buna-N™, Zinc Plated Steel, Stainless Steel, Neodymium, and Brass

SERVICE BULLETIN & ACCESSORIES

Service Bulletin	SB3095
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3320-022



3320-033

FEATURES

- Large port, 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 minimum flow resistance
- Ergonomically designed grip handle for optimum comfort.

AVAILABLE MODELS

Model	Extension Type & Nozzle		
3320-027	Rigid	Auto	3332-098
3320-025	Flex 90	Auto	3332-094
3320-026	Flex	Auto	3332-095
3320-033	Flex-memory	Auto	3332-099
3320-022	Rigid	1/4 turn - OIL	3332-091
3320-023	Flex 90	1/4 turn - OIL	3332-092
3320-028	Flex	1/4 turn - OIL	3332-100
3320-024	Flex Memory	1/4 turn - OIL	3332-093
3320-029	Rigid	1/4 turn - ATF	3332-101
3320-030	Flex 90	1/4 turn - ATF	3332-102
3320-031	Flex	1/4 turn - ATF	3332-103
3320-032	Flex Memory	1/4 turn - ATF	3332-104

Verify ID of ATF fill port for compatibility.

SPECIFICATIONS

Flow Range	0.26-8 gal/m (1-30 l/m)
Max pressure	1,450 psi (100 bar)
Swivel inlet:	1/2" NPT(F) Swivel
Dispense Nozzle OD	Auto = 0.605" Manual ¼ turn for OIL = 0.705" Manual ¼ turn for ATF= 0.315" Verify ID of ATF fill port for compatibility
Operating temp	14°F -158°F (-10°C - 70°C)
Weight	3.2 lb (1.55 kg)
Compatible Fluids	Lubricants, gear oil, automatic transmission, Anti-freeze (Glycol)
Wetted Materials	Aluminum, Zinc Plated Steel, and Buna-N™

SERVICE BULLETIN & ACCESSORIES

Service Bulletin	SB3095
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MR (Mechanical Registry) Meter



Introducing the new MR (Mechanical Registry) meter from Balcrank

The Balcrank mechanical-metered control valves have been specifically designed to measure and dispense fluids using improved technology and innovation. Balcrank manufactures a full range of rotary-piston mechanical meters, graduated in quarts, gallons or liters to cover the needs of production lines, filling engines, gear boxes and transmissions; or when dispensing lubricants in fleet service shops, off-road vehicles, mining, or marine equipment maintenance facilities.

Our line of mechanical meters are well suited for tough jobs and extreme environmental conditions.



ROBUST

- Polycarbonate based integral register housing and single molded pointer knob will guarantee maximum integrity of the meter against drops and impacts.
- One piece molded register housing gives extra protection against humidity. The meter is ideal for outdoor use.
- The one-piece molded pointer knob, which encloses a very robust and unique reset mechanism, is protruding for easy resetting and reading, but is resistant to impacts.
- The reset mechanism incorporates a safety clutch for integrity and can be turned backwards without damaging the meter.
- A simple and easy to read dial can be read at any time regardless of the ambient temperature or in direct sunlight.
- Full metal meter for long life and maximum durability.

ACCURATE

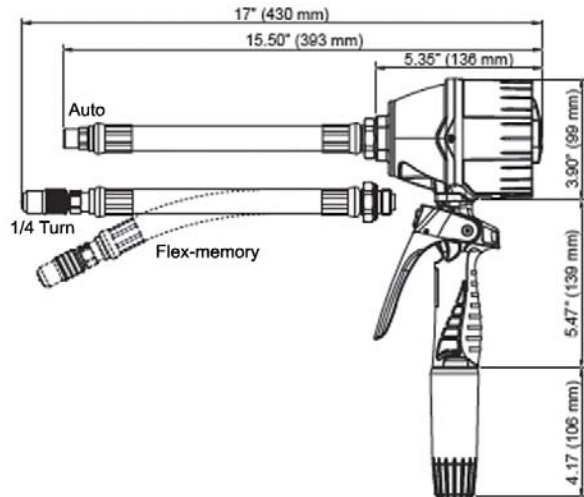
- Precision machining and tight tolerances maintains accuracy with no calibration necessary.
- Meter accuracy is maintained across a broad viscosity range and/or extreme temperature variations.

EXTRA PERFORMANCE

- Larger measuring chamber improves delivery rate up to 33% compared to other rotary-piston mechanical meters.
- 5-digit totalizer keeps lifetime record of fluid dispensed.
- Large ported swivel: for comfort even at high pressures, includes durable inlet filter which protects meter from debris.
- 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 dispense and also allows the gun to be locked in the open position for high volume dispenses.
- Cam & Piston valve optimized for superb control and minimum flow resistance.
- All new handle: aluminum body with lightweight ergonomic soft grip handle for comfort and precision balance.
- Unique 1/4 turn manual tip: effective and very fast, high flow, no splash and very easy to use.

MR (Mechanical Registry) Meter

DIMENSIONS



AVAILABLE MODELS

Model	Extension Type & Nozzle			U/M
3330-185	Rigid	Auto	3332-098	Qt
3330-186	Flex 90	Auto	3332-094	Qt
3330-187	Flex	Auto	3332-095	Qt
3330-188	Flex Memory	Auto	3332-099	Qt
3330-189	Rigid	1/4 turn-OIL	3332-091	Qt
3330-190	Flex 90	1/4 turn-OIL	3332-092	Qt
3330-191	Flex	1/4 turn-OIL	3332-100	Qt
3330-192	Flex Memory	1/4 turn-OIL	3332-093	Qt
3330-193	Rigid	1/4 turn-ATF	3332-101	Qt
3330-194	Flex 90	1/4 turn-ATF	3332-102	Qt
3330-195	Flex	1/4 turn-ATF	3332-103	Qt
3330-196	Flex Memory	1/4 turn-ATF	3332-104	Qt
3330-173	Rigid	Auto	3332-098	L
3330-174	Flex 90	Auto	3332-094	L
3330-175	Flex	Auto	3332-095	L
3330-176	Flex Memory	Auto	3332-099	L
3330-177	Rigid	1/4 turn-OIL	3332-091	L
3330-178	Flex 90	1/4 turn-OIL	3332-092	L
3330-179	Flex	1/4 turn-OIL	3332-100	L
3330-180	Flex Memory	1/4 turn-OIL	3332-093	L
3330-181	Rigid	1/4 turn-ATF	3332-101	L
3330-182	Flex 90	1/4 turn-ATF	3332-102	L
3330-183	Flex	1/4 turn-ATF	3332-103	L
3330-184	Flex Memory	1/4 turn-ATF	3332-104	L

Verify ID of ATF fill port for compatibility.

SPECIFICATIONS

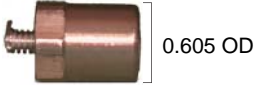


Flow Range	0.5-5.3 gal/min (2-20 l/min)
Max pressure	1,450 psi (100 bar)
Dispense Nozzle OD	Auto = 0.605" Manual ¼ turn for OIL = 0.705" Manual ¼ turn for ATF = 0.315" Verify ID of ATF fill port for compatibility
Swivel inlet:	1/2" NPT(F) Swivel
Operating temp	110 to 160 °F (-23 to 70 °C). Suitable for extreme temperature conditions
Weight	3.75 lb (1.7 kg)
Compatible Fluids	Low to high viscosity lubricants, ATF, and Antifreeze (Glycol)
Wetted Materials	Aluminum, stainless steel, zinc alloy, Buna-N™, zinc plated steel, and brass.

SERVICE BULLETIN & ACCESSORIES

Service Bulletin	SB3096
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Nozzles & Extensions

NOZZLES (for use with the DR handles)

	Item	Inlet	Tip OD	Max. Flow	Nozzle
 0.605 OD	3332-097	1/4" BSPP	0.605" <i>Verify ID of ATF fill port for compatibility.</i>	2.1 gal/m (8 l/m)	Auto
 0.705 OD	3332-096	1/4" BSPP	0.705" <i>Verify ID of ATF fill port for compatibility.</i>	3.7 gal/m (14 l/m)	1/4 Turn Manual for OIL ports
 0.315 OD	3332-105	1/4" BSPP	0.315" <i>Verify ID of ATF fill port for compatibility.</i>	3.7 gal/m (14 l/m)	1/4 Turn Manual for ATF ports

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 with Metal Memory	Auto Tip OD = 0.605"

DR EXTENSIONS & NOZZLES

Verify ID of ATF fill port for compatibility.

	3332-091	1/2" NPT(M)	Rigid 60	For OIL ports 1/4 Turn Manual Tip OD = 0.705"
	3332-100	1/2" NPT(M)	Flex	For OIL ports 1/4 Turn Manual Tip OD = 0.705"
	3332-092	1/2" NPT(M)	Flex 90	For OIL ports 1/4 Turn Manual Tip OD = 0.705"
	3332-093	1/2" NPT(M)	Flex with Metal Memory	For OIL ports 1/4 Turn Manual Tip OD = 0.705"
	3332-101	1/2" NPT(M)	Rigid 60	For ATF ports 1/4 Turn Manual Tip OD = 0.315"
	3332-103	1/2" NPT(M)	Flex	For ATF ports 1/4 Turn Manual Tip OD = 0.315"
	3332-102	1/2" NPT(M)	Flex 90	For ATF ports 1/4 Turn Manual Tip OD = 0.315"
	3332-104	1/2" NPT(M)	Flex with Metal Memory	For ATF ports 1/4 Turn Manual Tip OD = 0.315"



Introducing the new HF (High Flow) Metered Control Handle from Balcrank

The Balcrank electronic-meter control valves have been specifically designed to measure and dispense volumes of all kind of synthetic and mineral oils and to lead the competition in technology and innovation. Balcrank manufactures a range of oval-gear electronic meters, which can be programmed to register in either liters, quarts, pints or gallons to cover the needs of fluid dispensing ranging in truck, fleet, off-road, mining and marine maintenance facilities.

ACCURACY

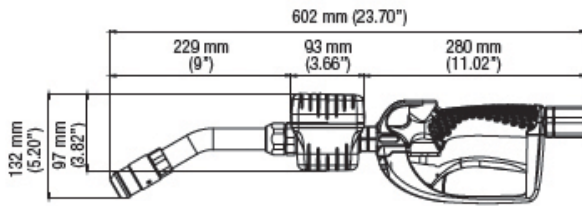
- No calibration required. Precision machined fluid chamber keeping tight tolerances together with individual wet test for performance and accuracy, guarantees accurate dispensing regardless the fluid viscosity, outside temperature and system pressure.
- Oval gear meter technology is adequate high count precision and low flow resistance.
- Multiple units of measure: liters, quarts, pints or gallons. Readout in 0,01 increments for precise fillings.
- Trip mode function: re-settable totalizer function can operate as an economical simple fluid inventory control system.
- Non-re-settable totalizer function.
- Polycarbonate housing provides superb impact resistance for durability even in the toughest environments.
- Tough Thermo Plastic Elastomer boot surrounds the entire meter for even greater durability.
- Sealed battery compartment: battery clips mounted on PCB, no cables for battery contact that ensures protection against impact or vibrations.
- Fluid chamber is isolated from electronic chamber to prevent leaks.
- Extensively and rigorously field tested for reliable performance in all shop situations.
- Meter mounted to a Heavy Duty control valve.

TOUGHNESS AND EXTRA PERFORMANCE

- Flow rate up to 18.5 gpm (70 lpm) with a non-drip tip.
- Maximum working pressure up to 1,450 psi (100 bar).
- Full metal control valve manufactured in durable aluminum die cast body to stand the toughest working conditions.
- High flow pressure balanced valve for comfortable use. Manufactured in brass for long life operation.
- Safety guard avoids accidental openings.
- Lockable valve lever for easy delivery of large volumes.
- High port (1" or 3/4") ball bearing inlet swivel, with easy removable filter.



DIMENSIONS



FEATURES

High Flow Control Handle is designed for service where larger volume deliveries are required.

- High volume rigid or flexible outlets with non-drip tip.
- Outlet with 3/4" or 1" BSPP(M) connection thread and bonded seal to assure a leak free operation.
- Used where metered fast delivery is required
- Ideal for bulk fill, transfer, and high flow dispense
- Heavy duty rigid design

APPLICATIONS

- High volume lubricants dispensing and bulk oil transfer on busy truck garages
- Mining and construction vehicles
- Lube and service trucks
- Manufacturing plants

AVAILABLE MODELS

3330-197	Rigid - Metered	3/4" BSPP(F) Inlet
3330-198	Flex - Metered	3/4" BSPP(F) Inlet
3330-199	Rigid - Metered	1" BSPP(F) Inlet
3330-200	Flex - Metered	1" BSPP(F) Inlet

SPECIFICATIONS

Units of measure	Batch: Liters, quarts, pints, gallons
Accuracy	+/-0,5% of reading
Flow Range	0.26-18 gal/min) (2-70 l/min)
Max pressure	1,450 psi (100 bar)
Swivel inlet:	3/4" & 1" BSPP (F) Inlet
Operating Temp	-10 to 158 °F (-23 to 70 °C)
Weight	4.4 lbs (2kg)
Compatible Fluids	Lubricants, Diesel, Oil, ATF, Antifreeze, Gear Oil Maximum viscosity SAE 140
Wetted Materials	Liquid Crystal Polymer (LCP), aluminium, stainless steel, Buna-N™, zinc plated, steel, and brass

SERVICE BULLETIN & ACCESSORIES

Service Bulletin	SB3097-Handle SB3098-Meter
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Hi-Flow Non-Metered



Introducing the new HF (High Flow) Non-Metered Control Handle from Balc crank

The Balc crank mechanical-metered control valves have been specifically designed to measure and dispense volumes of all kinds of synthetic and mineral oils and to lead the competition in technology and innovation. Balc crank manufactures a full range of rotary-piston mechanical meters, graduated in Quarts, Gallons or Liters to cover the needs of production lines, when filling engines, gear boxes and transmissions; or when dispensing lubricants in fleet service shops, off-road vehicles, mining, or marine equipment maintenance facilities.

Our line of mechanical meters is especially suitable for tough jobs and extreme environmental conditions.

ACCURACY

- No calibration required. Precision machined fluid chamber keeping tight tolerances together with individual wet test for performance and accuracy, guarantees accurate dispensing regardless the fluid viscosity, outside temperature and system pressure.
- Oval gear meter technology is adequate high count precision and low flow resistance.
- Multiple units of measure: liters, quarts, pints or gallons. Readout in 0.01 increments for precise fillings.
- Trip mode function: re-settable totalizer function can operate as an economical simple fluid inventory control system.
- Non-re-settable totalizer function
- Polycarbonate housing provides superb impact resistance for durability even in the toughest environments.
- Tough Thermo Plastic Elastomer boot surrounds the entire meter for even greater durability.
- Sealed battery compartment: battery clips mounted on PCB, no cables for battery contact that ensures protection against impact or vibrations.
- Fluid chamber is isolated from electronic chamber to prevent leaks.
- Extensively and rigorously field tested for reliable performance in all shop situations.
- Meter mounted to a Heavy Duty control valve.

TOUGHNESS AND EXTRA PERFORMANCE

- Flow rate up to 18.5 gpm (70 lpm) with a non-drip tip
- Maximum working pressure up to 1,450 psi (100 bar).
- Full metal control valve manufactured in durable aluminum die cast body to stand the toughest working conditions.
- High flow pressure balanced valve for comfortable use.
- Manufactured in brass for long life operation.
- Safety guard avoids accidental openings.
- Lockable valve lever for easy delivery of large volumes.
- High port (1" or 3/4") ball bearing inlet swivel, with easy removable filter.



Hi-Flow Non-Metered



FEATURES

High Flow Control Handle is designed for service where larger volume deliveries are required.

- High volume rigid or flexible outlets with non-drip tip.
- Outlet with 3/4" or 1" BSPP (M) connection thread and bonded seal to assure a leak free operation.
- Ideal for bulk fill, transfer, and high flow dispense
- Heavy duty rigid design

APPLICATIONS

- High volume lubricants dispensing and bulk oil transfer on busy truck garages
- Mining and construction vehicles
- Lube and service trucks
- Manufacturing plants

AVAILABLE MODELS

3320-051	Rigid - Non-Metered	3/4" BSPP (F) Inlet
3320-052	Flex - Non-Metered	3/4" BSPP (F) Inlet
3320-053	Rigid - Non-Metered	1" BSPP (F) Inlet
3320-054	Flex - Non-Metered	1" BSPP (F) Inlet

SPECIFICATIONS

Max pressure	1,450 psi (100 bar)
Swivel inlet:	3/4" & 1" BSPP (F) Inlet
Compatible Fluids	Lubricants, Diesel, Oil, ATF, Antifreeze, Gear Oil Maximum viscosity SAE 140
Wetted Materials	Aluminum, Carbon Steel, Brass, and Buna-N™

SERVICE BULLETIN & ACCESSORIES

Service Bulletin	SB3097
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Grease - Comfort Grip



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

AVAILABLE MODELS

3310-030	Comfort Grip Grease Handle
3310-031	Grease Handle with 18" Whip Hose and Z-swivel
3310-032	Grease Handle with 36" Whip Hose and Z-swivel

CONTROL HANDLE SPECIFICATIONS

Max pressure	
Handle	7,250 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 & ACCESSORIES

Service Bulletin	SB3094
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Grease - Pro-series

FEATURES

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

AVAILABLE MODELS

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

SPECIFICATIONS

Max pressure	5,000 psi (345 bar)
Swivel inlet	1/4" NPT(M)
Compatible Fluids	NLGI #2 Grease
Wetted Materials	Steel

SERVICE BULLETIN & ACCESSORIES

Service Bulletin	SB3018
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3310-010

FEATURES

The Premium Booster Series High Pressure Control Handle is designed for use as a standard control handle and as a "Booster" when extreme pressures are required. A single shot of lubricant is delivered when the trigger is pulled from the forward position and then immediately released. A continuous flow of lubricant is delivered when the trigger is pulled from the forward position and held against the body of the handle. When higher pressures are required, just squeeze or pump the trigger as needed up to approximately ten times to increase pressure up to 10,000 psi (689.5 bar).

AVAILABLE MODELS

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

SPECIFICATIONS

Max pressure	5,000 psi (345 bar) building to 10,000 psi (690 bar)
Swivel inlet	1/4" NPT(M)
Compatible Fluids	NLGI #2 Grease
Wetted Materials	

SERVICE BULLETIN & ACCESSORIES

Service Bulletin	SB3006
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3310-009

Customer Support

800-747-5300 or 828-645-4261

(Mon. - Fri., 8 am - 5 p.m. ET)

- Order entry
- Product availability and information
- Pricing
- Shipping dates and delivery information
- Return Merchandise Authorization

Technical Support

800-747-5300 or 828-645-4261

(Mon. - Fri., 8 am - 5 p.m. ET)

- Repair advice
- Product application recommendations
- Warranty claims and returns
- Service bulletins

Order by fax

800-763-0840 or 828-658-0840

- Fax orders day or night
- Free-up phone lines
- Order confirmed next business day by fax or e-mail

E-mail Ordering & Online Support

Website:

www.balcrank.com

E-mail:

info@balcrank.com

E-mail Ordering:

orders@balcrank.com



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Forest Stewardship Council