

Balcrank

Balcrank began in 1906 in the heart of Cincinnati, Ohio's "Machine Tool Colony" as the Cincinnati Ball Crank Company. The first products produced by Balcrank were hand wheels and cranks used by the machine tool industry. That same year Balcrank became the first mass producer of starting cranks for automobiles. In 1908, Balcrank entered the automotive industry with the manufacturing of steering drag links. The steering drag links were an immediate hit. Almost every car manufacturer adopted these drag links and for the first time, steering a car became an easy task.

To follow its drag links were ball-sockets for spark and throttle control. Next was the famous Balcrank "bumpers." From that time on, Balcrank's place in the automotive picture was set.

Always looking forward, in 1922 Balcrank entered the lubrication field. The company secured both the patents and services of Clyde Butler, one of the nation's leading lubrication engineers. His inventions made Balcrank a pioneer in the automotive lubrication industry. His inventions, which the world has adopted and still use today, remain his legacy.

The Cincinnati Ball Crank Company got its name from the production of ball-sockets and hand cranks. The company was commonly referred to as Ball Crank. In 1933, the Board of Directors voted to change the name Ball Crank to Balcrank, Inc.



In 1943, Balcrank received the three-star Army-Navy "E" Award, also known as the Army-Navy Production Award. This award was presented to facilities doing outstanding war production and construction work. The awarded facilities were particularly outstanding in the production of materials for the War and Navy Departments. Excellence in quality and quantity of production was two of the determining factors in granting awards.

After the war, Balcrank returned to its roots, manufacturing aftermarket lubrication equipment. Over the next 50 years, Balcrank introduced an average of three new products a year including the Pride series pumps, fluid inventory control systems, used fluid evacuation systems, and Diesel Exhaust Fluid (DEF) dispensing systems.

On July 9, 2009, Balcrank Corporation was acquired by Linter North America, a subsidiary of Linter Investments Corporation.

Balcrank is one of the oldest manufacturers of automotive products. Many of the methods and devices used in lubrication service today stem from the primary patents of Balcrank and its engineers. Balcrank continues its rich history and is still at the heart of the American automotive industry. Since its beginning, we have been providing our customers with the best products for the ever-changing automotive and industrial markets that exist today.



Air Operated Oil Pump

FEATURES:

- Pressure relief on Pride Series models - built in safety feature reduces premature wear of hoses and seals.
- Mechanical air valve - more reliable, no stalling and no icing.
- Designed for lower air consumption – extends compressor life.
- Built in muffler - results in quiet operation and eliminates icing.
- Stainless steel pump rod - reduces corrosion and extends seal life.
- Double acting pump - delivers consistent fluid flow with greater dispensing accuracy.

MODELS AVAILABLE:

- 1130-015 Carbon Steel Stub
- 1130-017 Carbon Steel Stub, Flange Mount
- 1130-020 Carbon Steel Stub with Bung Adapter



SPECIFICATIONS:

■ Pump ratio	3:1
■ Operating air pressure range	30-150 psi (1-10 bar)
■ Pump delivery with SAE 10W30 oil, 68° F (20° C), 100 psi (7 bar) air pressure and free flow:	8 gal/m (30 l/m)
■ Air consumption 100 psi (7 bar) & 3 gal/m (15 l/m)	19.70 SCFM
■ Max fluid stall pressure @150 psi (10 bar) air	490 psi (33.8 bar)
■ Cycles per gallon	34
■ Air inlet	1/4" NPT(F)
■ Fluid inlet:	1" NPT(F); 1 1/2" NPT(M)
■ Fluid outlet:	3/4" NPT(F)
■ Effective Air Piston Diameter:	2 1/2" (63.5 mm)
■ Wetted materials	Carbon steel, Buna-N™ Stainless steel, Nickel plated steel, Nylon, Ultrathane®, Zinc Plated Steel, and Aluminum

Air Operated Grease Pump

FEATURES:

- Mechanical air valve - more reliable, no stalling and no icing.
- Designed for lower air consumption – less wear and tear on the compressor.
- Built in muffler – promotes quiet operation, eliminates icing.
- Precise machined finishes and hardened lower piston assembly – for reliable performance and long life.
- Double acting pump – produces 50: 1 output pressure and accepts a 30-mesh inlet screen to remove foreign contaminants from entering the system.

MODELS AVAILABLE:

- 1150-015 Lion™ HP Bare Pump - 400 lb
- 1150-018 Lion™ HP Bare Pump - tote



SPECIFICATIONS:

■ Pump ratio	50:1
■ Operating air pressure range	10-150 psi (1-10 bar)
■ Pump delivery, 100 psi (7 bar) air pressure and free flow:	16 lb/m (7.25 k/m)
■ Air consumption 100 psi (7 bar) & 8 gal/m (30 l/m)	72 SCFM
■ Max fluid stall pressure @150 psi (10 bar) air	7,750 psi (520 bar)
■ Cycles per lb	22
■ Air inlet	1/2" NPT(F)
■ Fluid outlet:	3/8" NPT(F)
■ Effective Air Piston Diameter:	4 1/4" (108 mm)
■ Wetted materials	Stainless steel, Carbon Steel, Brass, and Ultrathane®

Hose Reels

Premium Hose Reel for the toughest shop environments

Today's heavy-duty hose reel market demands an innovative use of components that provide long life, improved serviceability, and superior structural design. Our Premium reel incorporates advanced design features that ensures long life in the toughest environments while reducing overall weight. All Premium series reels have a narrow design; includes hose, hose stop, and a 2.5' connecting hose.

Superb Corrosion Resistance

Powder coated steel base, dual arm, and rugged steel spool provides superior corrosion resistance.

Superior Structural Design and Stability

Unique precision laser cut 8-gauge steel base and outlet arm provides structural strength and rigidity. Rugged steel spool for precise quality, dimension, and strength.

Fully Ported Shaft and Pressure Balanced Swivel

Increases flow and decreases frictional pressure loss through the hose reel. Improves overall system performance and reliability.



High Quality Long Life Power Spring

The power spring is manufactured with high quality, fatigue resistant steel, for long and trouble free operation.

Spool Mounted on Dual Ball-Bearings

The spool is mounted on two permanently lubricated and sealed ball-bearings; reducing friction, providing smooth hose retraction, effortless operation, and improved power spring life.

Rectangular Hose Guide Outlet with Rollers

Smooth and easy operation pulling from any angle prevents hose pinch and reduces wear. Sturdy metal constructed guide.

7-Position Outlet Arm

Provide ease of changing from ceiling to base mount: seven positions for any application and mounting configuration. The stop pawl is accessible from the arm, eliminates the possibility of a "latch-out" situation.



12-Position Latching Mechanism

Six latching teeth on each side of the spring case provides multiple hose lock positions.

Fluid Compatibility for Multiple Applications

Electroless nickel plated protected shaft provides maximum fluid compatibility. The shaft is manufactured as a single piece, with no threaded unions. For delivery of low-pressure air and water, medium-pressure lubricants, and high pressure grease for automotive, construction, and industrial applications.

LED Ready Light Port

Exclusive 1/2" round opening designed for Balcrank's Fluid Inventory Control system LED ready light. No separate hardware required. Ready light sold separately item #3120-031.

Easy Maintenance and Service

Design provides maximum access to all serviceable parts. Hose replacement, ratchet, and swivel inspection can be done easily without dismounting the reel. Power Spring tension can be adjusted on site by removing one arm adding or removing hose wraps from the spool.

Easy Installation Mounting and Accessories

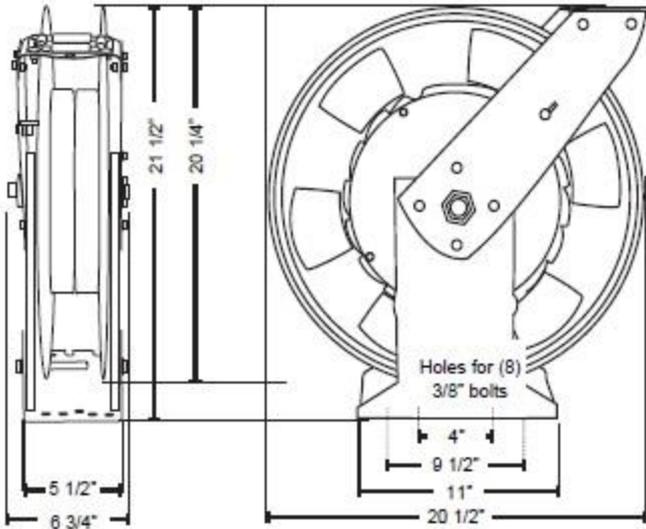
Classic, Evolution and Premium hose reels utilize the same foot print, and mounting Accessories

2.5' Inlet Connecting Hose Included

Provides additional flexibility for your installation.

Hose Reels

DIMENSIONS



SPECIFICATIONS

Low & Medium Pressure Reels

Fluid inlet port	1/2" NPT(F) swivel
Fluid outlet port	1/2" NPT(F) swivel
Outlet thread	1/2" NPT(M) for 3/8" ID Hoses 1/2" NPT(M) for 1/2" ID Hoses
Wetted Materials	Nickel plated steel and Buna-N™

High Pressure Reels

Fluid inlet port	3/8" NPT(F) swivel
Fluid outlet port	3/8" NPT(F) swivel
Outlet thread	1/4" NPT(M) for 1/4" ID Hoses 1/4" NPT(M) for 3/8" ID Hoses
Wetted Materials	Nickel plated steel, hardened steel and Polyethylene

SERVICE BULLETIN & ACCESSORIES

Fluid inlet port	3/8" NPT(F) swivel
Fluid outlet port	3/8" NPT(F) swivel

AVAILABLE MODELS

Air & Water Low Pressure 300 psi (21 bar) for delivery of air, water, and anti-freeze.

Item	Description	Replacement Hose
2111-027	Bare reel - up to 50' Hose	--
2111-028	Bare reel - up to 60' Hose	--
2111-031	30' x 3/8" ID hose	8136-030
2111-032	40' x 3/8" ID hose	8136-040
2111-033	50' x 3/8" ID hose	8136-050
2111-034	60' x 3/8" ID hose (50' + 10')*	8136-060
2111-035	40' x 1/2" ID hose	8141-040
2111-036	50' x 1/2" ID hose	8141-050
2111-037	60' x 1/2" ID hose (50' + 10')*	8141-060

Oil Medium Pressure 3,000 psi (207 bar) for delivery of lubricants.

2111-027	Bare reel - up to 50' Hose	--
2111-028	Bare reel - up to 60' Hose	--
2111-038	30' x 1/2" ID hose	8241-030
2111-039	40' x 1/2" ID hose	8241-040
2111-040	50' x 1/2" ID hose	8241-050
2111-041	60' x 1/2" ID hose (50' + 10')*	8241-060

Grease High-pressure 4,000 (276 bar) & 5,000 psi (345 bar) for delivery of grease.

2111-029	Bare reel - up to 50' Hose	--
2111-030	Bare reel - up to 60' Hose	--
2111-045	40' x 3/8" ID hose 4,000 psi	8332-040
2111-046	50' x 3/8" ID hose 4,000 psi	8332-050
2111-047	60' x 3/8" ID hose (50' + 10')* 4,000 psi	8332-060
2111-042	40' x 1/4" ID hose 5,000 psi	8323-040
2111-043	50' x 1/4" ID hose 5,000 psi	8323-050
2111-044	60' x 1/4" ID hose (50' + 10')* 5,000 psi	8323-060

* 50' on spool with 10' hanging