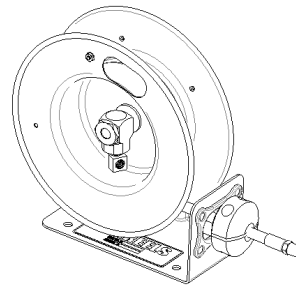
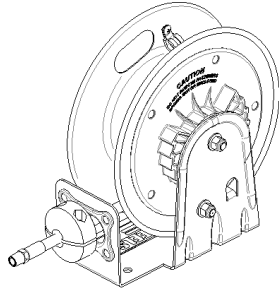




INSTALLATION AND MAINTENANCE MANUAL

SPRING RETRACTABLE BENCH REELS: SERIES LG



▲ READ THESE INSTRUCTIONS CAREFULLY BEFORE ATTEMPTING TO INSTALL, OPERATE, OR MAINTAIN THIS PRODUCT. ONLY QUALIFIED PERSONNEL SHOULD UNDERTAKE THE INSTALLATION AND COMMISSIONING OF THIS PRODUCT. FAILURE TO COMPLY WITH INSTRUCTIONS COULD RESULT IN PERSONAL INJURY AND/OR PROPERTY DAMAGE.

● PERSONAL SAFETY

- 1) Ensure reel has been properly installed before connecting supply line.
- 2) Before connecting to reel, be certain supply line does not exceed rated pressure of the reel.
- 3) If reel was purchased without hose, thoroughly review the section: "Installation of Outlet Hose" instructions to properly install hose.
- 4) Perform "Operational Check" per instructions to ensure reel is operating properly. NEVER use a spring retractable reel that is not performing as intended.
- 5) If a leak should occur after applying pressure to the reel, immediately discontinue supply line pressure.

● MOUNTING OF REEL

- 1) The LG-Series spring-retractable reel is designed to be attached horizontally to a bench top, upside down underneath a bench top, or vertically along a wall or beam.
- 2) The reel base is equipped with four mounting holes to utilize 3/8" diameter hardware (not included).

● INSTALLATION

- 1) Apply thread sealant to inlet hose and connect to the swivel joint on reel. Note: A swivel type connector is required on supply line.

▲ CAUTION: IT IS IMPORTANT TO USE A "FLEXIBLE" INLET HOSE. DO NOT USE SOLID PIPING OR RESTRAIN INLET HOSE AS TO CAUSE ANY SIDE FORCE ON SWIVEL JOINT. THE WARRANTY IS VOID IF NOT PROPERLY INSTALLED.

- 2) Flush some product through the system before connecting inlet hose to the source. Connect end to supply source.
- 3) If reel includes hose (Otherwise, See Installation of Outlet Hose), flush some product through system before connecting end fitting, nozzle, or tool.
- 4) Apply thread sealant to outlet hose fitting. Connect end, nozzle, or tool as desired.
- 5) Hose stop adjustment may be required to attain desired location. Loosen (two) hose stop clamp bolts. Move hose stop and tighten

bolts. Secure hose in hand while adjusting hose stop. Latch reel to secure if latching option is provided.

● OPERATIONAL CHECK

Note: Steps 1-3 only apply to reels with latching option.

- 1) Check reel for correct operation by slowly pulling out hose. A clicking noise will be heard after each half revolution of the drum.
- 2) **LATCH** the reel. Pull out the hose and allow it to slightly retract after the first, second or third "click" is heard.
- 3) **UNLATCH** the reel. Slowly pull the hose until the clicking noise stops, and then allow the hose to retract. The hose stop should rest against the hose guide.

▲ CAUTION: DO NOT ALLOW HOSE TO RETRACT WITHOUT RESTRAINING RECOIL SPEED. NEVER LET GO OF THE HOSE WHEN REWINDING.

- 4) Apply line pressure and inspect for leaks. Periodically check hose for improper wear and swivel for possible leaks.
- 5) Reels are shipped with approximately three pre-wraps of tension. This is adequate for most applications. However, if your application requires more or less tension, see "Spring Tension Adjustment" instructions.
- 6) Lubrication is NOT required.

● INSTALLATION OF OUTLET HOSE

NOTE: Before proceeding, ensure that you are installing the proper size, length and type of hose that the reel is rated for. Consult factory if unsure of rating. Damage may occur if wrong hose and/or length is installed.

- 1) Securely stabilize the reel.
- 2) Insert the male fitted end of the hose through the cutout in the side of the disk flange.
- 3) The male hose fitting should now be on the outside of the drum. Apply thread sealant, connect hose fitting to the swivel joint and secure the hose rigid to the side of the disk with the hose clamp.
- 4) Wind the hose onto the reel counterclockwise facing the swivel.
- 5) When fully wound, pull the hose out approximately three turns of the reel and latch reel in place.

- 6) While reel is in latched position, pull slack hose back and wrap onto reel. This will give an initial pre-load of approximately three turns on the spring.

NOTE: The hose clamp restrains the hose when fully extended, preventing strain between the fittings and swivel joint.

- 7) **CAREFULLY** release the locking ratchet (if so equipped) and **SLOWLY** allow the hose to retract onto the reel.

● **SPRING TENSION ADJUSTMENT**

⚠ CAUTION: Improper tensioning of spring or adding too many pre-wraps may cause damage to spring mechanism. Only authorized personnel should make adjustments.

- 1) Release line pressure prior to making spring adjustments.
- 2) Disconnect inlet hose.
- 3) Pull out approximately 6 feet (2m) of hose and latch the drum (if so equipped).
- 4) Add or subtract one wrap of hose as desired to acquire the proper tension on the reel.

NOTE: Spring tension adjustment is accomplished by adding wraps of hose around the drum (to increase tension), or subtracting wraps of hose (to decrease tension).

- 5) Unlatch drum (if so equipped) and check for proper tension. Connect Inlet hose.

● **SWIVEL SEAL REPLACEMENT**

- 1) Remove inlet hose from swivel.
- 2) Remove swivel from reel by unscrewing swivel from shaft. Disconnect hose from swivel.
- 3) Remove retaining ring on swivel; pull out shaft from body.
- 4) Replace the seals, lubricate and reassemble swivel.
- 5) Fit hose to swivel then fit swivel to reel. **Do not over-tighten.**
- 6) Reconnect inlet hose and test for leakage.

TROUBLE SHOOTING GUIDE

TROUBLE	CAUSE	REMEDY
HOSE WILL NOT FULLY RETRACT	a) Outlet nozzle, gun or tool is too heavy. b) Spring is fatigued. c) Field installed hose is too long.	a) Add spring tension. See "Spring Tension Adjustment". b) Add spring tension. See "Spring Tension Adjustment". c) Call local Distributor for correct specified hose length.
HOSE WILL NOT RETRACT AT ALL	Spring has lost all tension or has possibly broken.	a) Adjust Spring Tension b) Call local distributor for drum/spring assembly replacement.
REEL WILL NOT LATCH (APPLIES IF EQUIPPED WITH LATCH OPTION)	a) Incorrect operation. b) Dog spring or locking cam is broken or worn.	a) Reel latches on first, second, third or fourth "click". After forth "click" it automatically rewinds. b) Replace dog spring or locking cam.
FLUID LEAKS FROM SWIVEL	Swivel seals are damaged or worn.	Replace swivel seals. See "Swivel Seal Replacement". Caution: Be sure leak is not at Hose Fitting!

For assembly drawings, parts lists, or specific repair instructions, refer to web site at www.coxreels.com or consult factory.

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