

## **COXREELS**

### **1125 "Competitor" Series Design Features**

The following are feature and benefits of our Competitor Series Heavy Duty Large Capacity Hand Crank and Power Rewind Hose Reels.

Coxreels' Competitor hand crank and power rewind reels are designed for industrial applications where longer lengths of hose are required. Constructed in heavy gauge powder coated steel, all models are supplied ready assembled for wall, floor or overhead installation. The direct crank action combined with twin bearings requires minimum rewind effort while the spring-loaded locking pin prevents drum rotation when not in use. Competitor power rewind reels combine the necessity of long hose lengths with the convenience of an effortless, automatic rewind.

**1. HAND CRANK:** Coxreels' hand crank attaches to the axle and is permanent. The solid steel hand crank has a new streamline design and is fitted with a molded, round-tapered plastic hand grip that provides comfort to the operator as it rides on the crank during the rewinding process.

**2. POWER REWIND REELS:** Our power rewind reels are equipped with tough motors that drive the reel and rotate it via a newly designed gear driven system. The system includes a coarse 10 degree diametrical pitch that offers a dependable, heavy duty drive system. A system designed to answer the industry demands of a slower rotation during rewind for greater manageability.

A) Motor Options: Power rewind reels are available with 12 volt DC explosion and non-explosion proof, 115 volt AC explosion proof, and compressed air-driven motors.

B) Motor Mounting/Safety Features: These inline face-mount motors offer a safe compact design keeping major pinch points completely inside the frame, inaccessible to hands or clothing. As an additional safety option, Coxreels offers a gear guard that completely covers the entire gear system.

Note: A hand crank is available as an additional option on power rewind reels.

**3. TENSION BRAKE:** These Coxreels are equipped with a newly designed tension brake that works, and keeps working, meeting the toughest of demands. It is supplied standard on all hand crank models. This adjustable tension brake allows the user to apply pressure to the reel to create a drag so a hose backlash does not occur.

**4. PLUMBING:** Our low profile, "riser style", plumbing is machined from Schedule 80 standard pipe to the specified requirements. Our plumbing system allows full flow product

passage. The outlet riser has been newly designed to extend upward the distance of one hose width to ensure a tight, even layered rewinding experience.

**5. AXLE:** The axle and plumbing are two of the same. We machine both ends of the axle to allow for a very true rotation of the reel and for smooth bearing movement. The swivel is mounted on the end of the axle, making it easy for service and repair, thus reducing the cost of repair should it be necessary.

**6. SWIVEL:** Our full flow balanced swivels are designed to rotate under minimum torque, insuring smooth hose retraction and maximum flow. The swivel is a self-contained assembly and can be replaced as a unit, unlike some of our competitors. Some competitive reels use the main shaft of the reel as the spool of the swivel. When their swivel becomes worn out and do not seal, it may be necessary to replace the main shaft of the reel and the swivel. This is substantially more expensive in material, and requires some disassembly of the reel.

Our low and medium pressure swivels are machined from solid brass and plated steel to minimize corrosion. Our high-pressure swivels are machined from alloy steel for higher strength and zinc plated for rust protection. Buna "N", Viton and EPDM seals are available as options. Stainless steel swivels are also available as an option.

**7. BEARING:** Coxreels' self-aligning pillow block bearings support the drum assembly and provide a smooth rotation. Our bearings ride on a bronze "oil lite" surface. These bearings require no lubrication maintenance, which is simple and trouble free.

**8. CENTER DRUM:** Our open hose slot design consists of a special grommet protected cut out following the outlet riser, that enables even hose heights from the first rotation of the reel. This solves the hose hump that traditional styles result in. Coxreels' center drums are one piece rolled steel and welded closed. These all steel drums provide for the strength required in the most demanding applications. High temperatures will not distort our drums, as this is a common problem when using plastics.

**9. DISCS:** Our discs are spun out of heavy gauge steel. All Coxreels discs include the extra process of rolling the edges. Rolled edges allow ultimate safety and eliminate the chances of the operator or the installer being injured by the sharp edges of the disc ends. Potential hose damage from a sharp disc edge is eliminated completely with our rolled edges. The two steel discs are concave and beaded for extra strength and rigidity and are fastened to the center drum. This helps to prevent the "bowing out" of the discs when the hose expands under pressure. A design that provides a stout assembly to assure efficient service in the most demanding applications.

**10. LOCK PIN:** A solid locking pin is supplied standard on all hand crank reels. This pin has been designed with a longer handle for easy operator use, even with gloves on, and

provides for the secure locking of the reel drum so it cannot unwind itself, such as in mobile applications.

**11. BASE:** The base structure is a solid welded unit, containing no nuts or bolts that could possibly loosen over time and require maintenance. Our mounting base provides great stability, and flexibility in mounting for the various mobile, truck, and stationary applications.

**12. MOUNTING:** We supply six (6) slotted hole sizes, for easy installation.

**13. HOSE ROLLER GUIDES:** Coxreels has available as an option three and four roller hose guides for both top rewind and bottom rewind positions.

**14. FASTENERS:** Coxreels uses vibration-proof, reusable, self-locking and non-threaded fasteners. This type of fastener assures the reel will continue to perform many years after being put into action.

**15. PAINT:** Coxreels paints each component part individually with a very durable polyester powder coat finish. This finish provides for excellent Ultra Violet (UV) protection and a high quality, chip and scratch resistant finish that fights weathering. Coxreels uses state-of-the-art painting equipment.

Each individual part is treated before painting through a five-stage process. This process consists of cleaning, degreasing, iron phosphate pre-treating and a final water rinse to remove any existing impurities allowing for maximum paint adhesion.

Powder coating is the finest metal finish technology available today. An environmentally friendly process, the powder coating operation in our plant creates no air pollution

**16. PACKAGING:** Our packaging consists of a double wall corrugated box. Also included is a formed insert to position the reel and eliminate any shipping damage. This packaging has been tested in shipments to various parts of the world.

**17. RELIABILITY:** Besides improving reliability of components as described above, we have eliminated welding to our major structural parts, to improve the looks and increase the product reliability.

**18. QUALITY:** Coxreels continuously strives for total quality. We are constantly improving processes and designs to enhance the quality of our reels. We seek suppliers that follow similar stringent quality guidelines as we do.

The Coxreels team is committed to total quality. Our products are accepted worldwide and we are committed in serving global market needs.

**19. CUSTOMER SATISFACTION:** Our commitment to our customer satisfaction is of paramount importance to us.

- We intend to provide the customer full service and support necessary to insure maximum acceptance of our product.
- We work closely with our customers, distributors and marketing groups to insure that we are correctly filling the customers requirements and needs.
- We have developed a system to ship our standard products on time every time to our customers, and non standard reels on a reasonable schedule.

**20. GLOBAL MARKETS:** Coxreels markets extend beyond the United States. Canada, Mexico, South and Central America, United Kingdom, Asia and Australian markets continually specify Coxreels for their demanding requirements.