



HOSE REEL SERVICE GUIDELINES

IMPORTANT

Read this manual thoroughly before setting up or using the reel.

Order No.

Model # _____

PERSONAL SAFETY

Personal injury and/or equipment damage may occur if proper safety precautions are not observed.

Serial # _____

WARNING:

Even low pressure can cause considerable damage or death. Always be alert while operating or performing maintenance on the reel.

PERSONAL SAFETY

- a) The reel must be correctly installed before attaching the supply hose.
- b) Prior to connecting the supply line to the reel, be certain that the line pressure doesn't exceed the maximum working pressure of the reel.
- c) Loose fitting clothing is not recommended while operating or servicing the reel.
- d) Be aware of your surroundings.
- e) Immediately remove the supply line if a break in the hose or reel occurs.
- f) As with all machinery, observe all safety practices while using the hose reel.

WARNING TIP

- a) Grasp the hose itself, not the control valve swivel.
- b) Use a static wire to ensure the reel is properly grounded while operating but especially while working with flammable liquids such as solvents or petroleum products.
- c) Fire and/or explosion can occur if proper grounding is not done. Use an ohmmeter to check continuity of the grounding circuit.
- d) Even while in operation the risk of the reel spinning present. If the reel is electric, air driven or hydraulic, be careful of the chain and drive system. It is a serious pinch point.
- e) Find and solve the problem if the reel stops un/winding properly. Immediately remove the power. Do not pull or jerk the hose.
- f) The hose must be near completely unwound from the spool before operating at pressure.

PRE-INSPECTION

1. Check the reel for damages that may have occurred during shipping.
2. Ensure all the parts ordered have arrived.
3. Save the model and serial numbers for future reference. ie. ordering parts.

MOUNTING

1. Unpack and turn the spool to check for smooth rolling.
2. Mounting on a flat and stiff surface will ensure that the reel will not bind once installed.
3. If necessary, drill four holes in the frame and secure the reel using appropriately sized bolts. Tighten to the stiff surface.



ELECTRIC DRIVEN REELS

WARNING:

Disconnect all power before attempting to wire the motor or reel. Do NOT "HOT WIRE". Adhere to NEC, OSHA and local codes.

NOTE: Connecting either power lead to the motor or any part attached to the motor such as the terminal box is incorrect. Doing so would make the motor an intrinsic part of the electrical power circuit.

AIR DRIVEN REELS

1. Apply thread compound to the inlet inline fitting and pneumatic motor inlet threads.
2. Connect inlet airline to motor.

HYDRUALIC DRIVEN REELS

1. Apply thread compound inlet/outlet hydraulic line fittings and motor inlet threads.
2. Thread hydraulic line fittings into motor inlet/outlet and tighten securely.

GROOVED INLET SWIVELS

NOTE: Grooved type swivel joint inlet connections must be aligned carefully. Two grooved connections, correctly installed allow good flexibility for smooth rotation.

1. Connect grooved coupling onto inlet swivel fitting and inlet supply line.
2. Adjust inlet supply line to verify flexibility exists for proper alignment.
3. With control valve open, fully extend and charge hose to purge system of gases. When fluid appears at the control valve, close the valve. This prevents flattening of the hose and excessive pressure on the drum when fluid supply is reinitialized later.

INLET CONNECTIONS

NOTE: Install a fitting as near as possible to the swivel joint inlet so the joint can be easily removed for servicing.

CONNECTING THE SUPPLY LINE FOR THREADED INLET SWIVELS

NOTE: Avoid strain on the swing joint at all times. Threaded type swivels inlets must be connected to the fluid supply by using a flexible connector.

1. Apply thread compound to swivel and connecting hose fitting threads.
2. Thread connecting hose fittings into the swivel. Tighten securely.
3. With the control valve open, fully extend and charge the hose to purge the system of gases. When fluid appears at the control valve. Close the valve. This prevents the flattening of the hose and excessive pressure on the drum when the fluid supply is reinitialized later.

For larger reels, the gooseneck may be removed from the reel to fit the hose. Note that if the reel has a welded or threaded riser in the fluid path assembly, it cannot be removed.

ATTENTION: Do not connect the output hose to the gooseneck until after the reel is installed and the motor connections are complete. Fill the hose before winding on the reel to prevent excessive pressure on the drum when the hose is filled.



REPLACE THE SWIVEL

CAUTION: Remove the supply line pressure before performing the following procedures.

1. Remove the supply line from the swivel or inlet.
2. remove the swivel from the inlet shaft.
3. Install the replacement swivel by reversing steps 1 & 2

REPLACE THE "U" CUP SEALS ON UWF REELS

NOTE: For special swivels such as food grade, single wrap style reels and special purpose swivels, please request a parts list for special instructions.

1. remove the supply line from the inlet adapter.
2. Remove all bolts.
3. Remove the seal from the recess inside of the inlet.
4. Examine the new seal & ring to check for damage.
5. moisten the face of the seal with lubricant and reinsert into the inlet adapter.
6. Fasten the bolts back into the adapter and reinstall the line.

REMOVE THE CLUTCH OR IDLER

1. Ensure the reel is powered down and the brake (if applicable) is engaged.
 2. Locate the master link on the chain leading from the motor to the clutch/idler and remove it.
 3. Locate the master link on the chain leading from the driven sprocket to the clutch/idler and remove it.
 4. Loosen all four bolts holding the clutch/idler to the frame. Remove two of the bolts completely.
 5. Support the clutch/idler and remove the final two bolts.
 6. Carefully, pull the clutch/idler from the frame.
- NOTE:** Follow steps 2-6 backwards to install the clutch/idler.

REPLACING THE MOTOR

CAUTION: Before replacing the motor, remove the electrical power and fluid pressure from the reel.

1. Loosen the bolts securing the motor to the reel.
2. Slide the motor to loosen the chain.
3. Remove the bolts securing the motor.
4. Replace with new motor.

REPLACING THE CHAIN

CAUTION: Before replacing the motor, remove the electrical power and

1. Loosen the bolts securing the motor to the reel.
 2. Slide the motor to loosen the chain.
 3. Remove the master link.
 4. Install new chain.
 5. Adjust tension by sliding the motor.
- Over tensioning can adversely affect the life of the motor and sprocket.