

Industrial Welding Reel

Oxygen-Acetylene Reel

Read carefully before attempting to assemble, install, operate or Maintain the product described. Failure to comply with the instructions could result in personal injury and / or property damage.

Specifications

Oxy-Acetylene Reels are spring driven, auto-rewind reels. Each Reel is supplied standard with a Locking ratchet to hold the desired length of hose.



Hose Reel Safety Precautions

1. Connect Oxygen input hose and Acetylene input hose correctly. Make sure incoming line pressure does not exceed rated operating pressure.
2. Locate hose reel in well ventilated areas.
3. After installation of hose reels, run pressure test to make sure no leakage in each connection. Check leakage periodically.
4. Repair or replace equipment and hoses immediately any gas leak is detected. Leaking Oxygen or Acetylene can cause serious fire and personal injury.
5. Installation of the anti-backfire equipment is recommended to reduce risk of backfire.
6. When installing and replacing O-ring seal, lubricate only with silicon grease. Do not allow to put any other grease or oil into the connecting equipment, part and hose. These materials ignite easily and burn in the presence of Oxygen.
7. If hose reel was purchased without hose, please choose or purchase suitable Oxygen, Acetylene hoses.
8. Don't direct gas flame at hose or hose reel.
9. Don't work with damaged or faulty equipment or hoses.

Installation of Reel

- 1) For overhead ceiling mounting: Install reels at least 10 feet above the floor.
- 2) If the reel you have purchased does not have hose included, you will need to purchase and attach. Refer to Specifications on box to determine appropriate hose size and length.

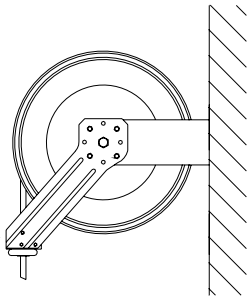
3) You will need to purchase appropriate hardware for mounting your new reel.

1. The reel base has four 1/2" (or 12.7mm) drilled holes for mounting on a suitable flat surface. Figure 2 is a template showing the correct location of the 4 mounting holes in the base.
2. The reel is supplied with a hose guide roller bracket. The bracket position may be changed depending on the reel mounting position. Figure 2 shows "Typical Mounting Positions". If bracket position needs to be changed, do the following:
 - (1) Pull out some hose and let reel latch.
 - (2) Remove the bolts that attach the guide roller bracket to the support post.
 - (3) Rotate guide roller bracket to correct position, replace bolts and tighten.
3. Using the four holes in the base, mount the reel in the desired location. Be sure to use appropriate hardware and tighten securely.
4. Apply Teflon tape or pipe sealant to supply line threads, attach to reel inlet and tighten. The other end of incoming line can now be connected to desired supply source.
5. If hose has been supplied with reel: Apply Teflon tape or pipe sealant to outlet fitting on reel hose, then attach to desired tool, or nozzle. Check connection for leakage, also check hose reel for correct operation. (Details see Operation section.)
6. If hose stopper adjustment is required, pull hose from reel and allow to latch at desired length. Loosen stopper bolts and slide stopper to a position close to the hose guide. Tighten stopper bolts, and unlatch the reel.

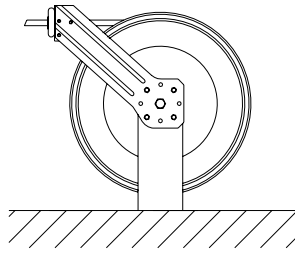
Installation of Hose

1. Securely stabilize the reel.
2. Facing the swivel fitting side of reel: Turn the drum clockwise, by hand, until the rewind spring is tight, and drum has latched. As an extra precaution while installing new hose, secure drum in the latched position.
3. Insert end of the hose through guide roller bracket, and feed through the opening in the drum flange.
4. Use Teflon tape or pipe sealant on hose fitting threads, screw fitting into swivel and tighten. Note: To avoid damage to the swivel, use a wrench to support the swivel fitting while tightening the hose.
5. Attach hose stopper on the other end of hose, near the outlet fitting.
6. Carefully release drum latch, and slowly allow hose to wind onto the reel.

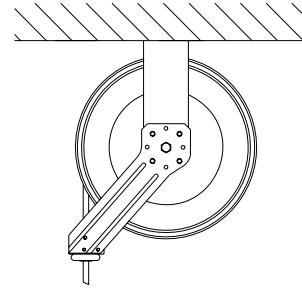
Note: Final spring tension adjustment is accomplished by adding wraps of hose around the drum (to increase tension) or taking off wraps of hose (to decrease tension). Refer to: Adjustment of Spring Tension.



Wall



Floor



Ceiling

Figure 2.

Operation

1. Check reel for correct operation by slowly pulling out the hose. A “clicking” noise will be heard every half revolution of the drum.
 2. To latch the reel, pull out the hose and allow it to retract after hearing the first second or third “click”.
 3. To unlatch, slowly pull out the hose until the “clicking” noise stops, then let the hose retract until the hose stop rests against the hose guide.
- Note: To avoid damage to the reel, always hold on to the hose while it is rewinding.
4. Periodically check the hose condition for wear or damage, and check the swivel fitting for leakage. Replace any worn, damaged, or leaking parts.

Adjustment of Spring Tension

1. Pull out approximately 6ft or 2m of hose and allow the drum to latch.
2. Remove hose stopper from hose, and feed hose back through guide.
3. Wrap the pulled hose one time around the drum to increase tension or un-wrap hose one time from drum to decrease tension.
4. Re-insert hose through guide, and install stopper onto hose end.
5. Unlatch the Drum and check tension. Pull hose from reel, and adjust stopper position if necessary.

Replacement of Swivel Seal

1. Turn off and disconnect supply line from swivel inlet.
2. Remove swivel assembly from reel axle.
3. Remove circlip from swivel, and take apart. Note: You may want to remove swivel from reel hose end, but this is not necessary unless a new swivel is being installed.
4. Replace the seals and reassemble swivel.
5. Use Teflon type or thread sealant on swivel thread fitting, reconnect the swivel

thread fitting with axle.

6. Re-connect inlet supply line.
7. Run pressure test and check whether leak or not at each connection.

Replacement of Hose

1. Turn off supply to reel.
 2. Pull out all the old hose and lock the reel in this position.
Caution: Make sure reel drum is securely locked and cannot rotate back.
 3. Remove two hose clamps from hose.
 4. Carefully disconnect hose from swivel joint on side of reel, or male fitting in axle center and remove old hose.
 5. Feed new hose through guide and opening in drum, and connect to swivel. Re-install two hose clamps, on inside and outside of drum flange. Install stopper on other end of hose in the same position as before.
 6. Carefully release the drum latch, and slowly allow the hose to wind onto the reel.
- Note: Final spring adjustment is accomplished by adding or removing wraps of hose around the drum. (Details see spring tension adjustment).

Spring Canister Warning

If the rewind spring fails for any reason: For safety reasons, the manufacturer strongly recommends the replacement of the spring canister be carried out by a professional mechanic.

Limited Warranty

1. The manufacturer warrants this hose reel against defects in material and craftsmanship, for a period of 12 months from date of purchase.
2. Hose, if supplied with reel, O-rings, plastic rollers and rubber stopper are deemed to be normal wear items; not warranted.
3. Manufacturer's liability is limited to replacement or repair of defective material within the warranty period, when returned freight prepaid to the distributor or their designated service depot.
4. The warranty does not cover damage caused by accident, misuse or faulty installation.
5. The reel must be installed and maintained in compliance with the instructions.