







## TUBE REPLACEMENT – SAFETY INFORMATION




### **WARNING** RISK OF EXPOSURE

-  To reduce risk of exposure, check the pump tube regularly for leakage. At the first sign of leakage, replace the pump tube.
-  To reduce risk of exposure, the use of proper personal protective equipment is mandatory when working on or near metering pumps.
-  To reduce risk of exposure, and also prior to service, shipping, or storage, pump generous amounts of water or a compatible buffer solution to rinse pump.
-  Consult SDS sheet for additional information and precautions for the additive in use.
-  Personnel should be skilled and trained in the proper safety and handling of the additive in use.
-  Inspect tube frequently for leakage, deterioration, or wear. Schedule a regular pump tube maintenance change to prevent damage to pump and/or spillage.





### **CAUTION** PINCH POINT HAZARD

-  Use extreme caution when replacing pump tube. Be careful of your fingers and **DO NOT** place fingers near rollers.








### **WARNING** HAZARDOUS PRESSURE EXPOSURE

-  Use caution and bleed off all resident system pressure prior to attempting service or installation.
-  Use caution when disconnecting discharge tubing from pump. Discharge may be under pressure. Tubing may contain fluid being metered.



### **NOTICE: Indicates special instructions or general mandatory action.**

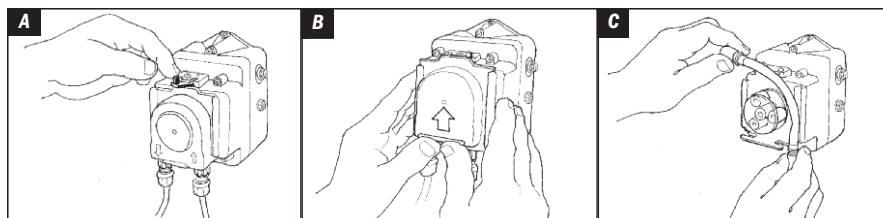
-  **DO NOT** apply grease, oil, or lubricants to the pump tube or housing.
-  Prior to pump tube replacement, inspect the entire pump head for cracks or damaged components. Ensure rollers turn freely.
-  Rinse off fluid residual and clean all fluid and debris from pump head components prior to tube replacement.
-  **DO NOT** pull excessively on pump tube. Avoid kinks or damage during tube installation.
-  Inspect the suction/discharge tubing, injection point (into pipe), and injection fitting for blockages after any tube rupture. Clear or replace as required.

# TUBE REPLACEMENT

## PREPARATION

1. Follow all safety precautions prior to tube replacement.
2. Prior to service, pump water or a compatible buffer solution through the pump and suction/discharge line to remove fluid and avoid contact.
3. Turn pump off.
4. Disconnect the suction and discharge connections from pump head.

## TUBE REPLACEMENT continued

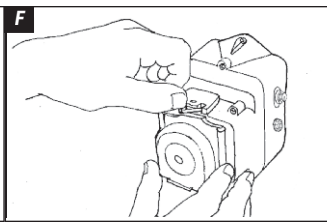
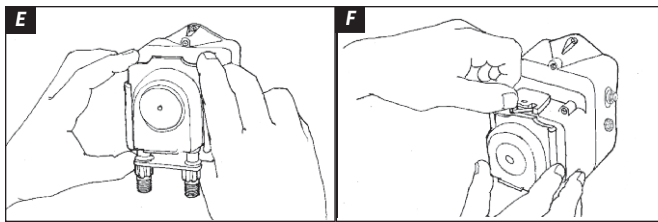
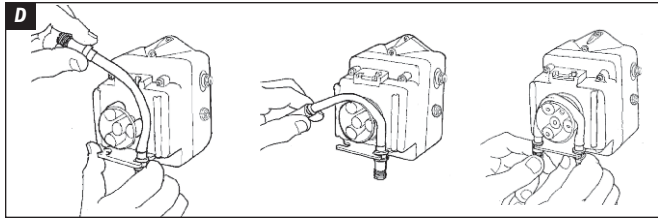


### REMOVE TUBE

**!** Always unplug pump before doing maintenance work.

1. Unplug the pump.
2. Remove the Phillips locking screw on the latch (CE models only). Slide the vertical tab 180 degrees from left to right to unlock the cover latch. *Illustration A*
3. To slide cover off, push up on the raised edge. *Illustration B*
4. Release the fittings from the slots to remove the tube. *Illustration C*
5. Remove roller assembly.
6. Use non-citrus all-purpose cleaner to clean residue from pump head housing, roller, and cover.
7. Check cover for cracks. Replace if cracked.
8. Ensure rollers spin freely.
9. Replace roller assembly if: seized, excessive side play from bore wear, or if rollers are visibly worn.
10. Re-install roller assembly.

## TUBE REPLACEMENT continued



### INSTALL NEW TUBE

1. To install new tube, insert one fitting into slot, pull tube around the center of the roller assembly and insert second fitting into the other slot. *Illustration D*
2. Align tube housing cover with track and slide over tube until fully closed. *Illustration E*
3. Plug the pump in.
4. Run the pump at full speed for one minute to relax the tube.
5. To lock cover in place, press down on the cover while turning the vertical tab 180 degrees from right to left. Install the Phillips head locking screw (CE models only). *Illustration F*
6. Run pump at full speed for one minute to verify operation.
7. Reconnect the suction and discharge lines.
8. Prime pump.