

ECON STENNICATOR PERISTALTIC METERING PUMP

TO BE INSTALLED AND MAINTAINED BY PROPERLY TRAINED PROFESSIONAL INSTALLER ONLY. READ MANUAL & LABELS FOR ALL SAFETY INFORMATION & INSTRUCTIONS.

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IMST 050525

WARRANTY AND CUSTOMER SERVICE

LIMITED WARRANTY

Stenner Pump Company will for a period of one (1) year from the date of purchase (proof of purchase required) repair or replace, at our option, all defective parts. Stenner is not responsible for any removal or installation costs. Pump tube assemblies and rubber components are considered perishable and are not covered in this warranty. Pump tube will be replaced each time a pump is in for service, unless otherwise specified. The cost of the pump tube replacement will be the responsibility of the customer. Stenner will incur shipping costs for warranty products shipped from our factory. Any tampering with major components, chemical damage, faulty wiring, weather conditions, water damage, power surges, or products not used with reasonable care and maintained in accordance with the instructions will void the warranty. Stenner limits its liability solely to the cost of the original product. We make no other warranty expressed or implied.

RETURNS

Stenner offers a 30-day return policy on factory direct purchases. Except as otherwise provided, no merchandise will be accepted for return after 30 days from purchase. To return merchandise at any time, call Stenner at 800.683.2378 for a Return Merchandise Authorization (RMA) number. A 15% re-stocking fee will be applied. Include a copy of your invoice or packing slip with your return.

DAMAGED OR LOST SHIPMENTS

All truck shipments: Check your order immediately upon arrival. All damage must be noted on the delivery receipt. Call Stenner Customer Service at 800.683.2378 for all shortages and damages within seven (7) days of receipt.

SERVICE & REPAIRS

Before returning a pump for warranty or repair, remove chemical from pump tube by running water through the tube, and then run the pump dry. Following expiration of the warranty period, Stenner Pump Company will clean and overhaul any Stenner metering pump for a minimum labor charge plus necessary replacement parts and shipping. All metering pumps received for overhaul will be restored to their original condition. The customer will be charged for missing parts unless specific instructions are given. To return merchandise for repair, call Stenner at 800.683.2378 or 904.641.1666 for a Return Merchandise Authorization (RMA) number.

DISCLAIMER

The information contained in this manual is not intended for specific application purposes. Stenner Pump Company reserves the right to make changes to prices, products, and specifications at any time without prior notice.

TRADEMARKS

Santoprene® is a registered trademark of Celanese International Corporation.

IMPORTANT SAFETY INSTRUCTIONS

When installing and using this electrical equipment, basic safety precautions should always be followed, including the following:

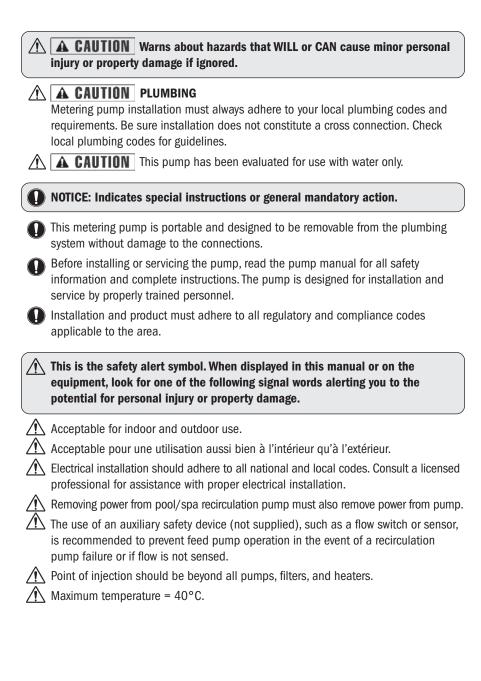
1. READ AND FOLLOW ALL INSTRUCTIONS.

- **2.WARNING** To reduce the risk of injury, do not permit children to use this product unless they are closely supervised at all times.
- 3.WARNING VAC Models only -
 - Risk of Electric Shock This pump is supplied with a grounding conductor and grounding-type attachment plug. To reduce the risk of electric shock, be certain that it is connected only to a properly grounded, grounding-type receptacle.
- **4.WARNING** VAC Models only To reduce the risk of electric shock, replace damaged cord immediately.
- **5. SAVE THESE INSTRUCTIONS.**

SAFETY INFORMATION

| | A WARNING Warns about hazards that CAN cause death, serious personal injury, or property damage if ignored. |
|-------------------------|---|
| | ELECTRIC SHOCK HAZARD |
| VA | C MODELS ONLY |
| Â | A WARNING ELECTRIC SHOCK HAZARD Pump supplied with grounding power cord and attached plug. To reduce risk of electrical shock, connect only to a properly grounded, grounding type receptacle. Install only on a circuit protected by a Ground-Fault Circuit-Interrupter (GFCI). For locations other than US and Canada, pump must be supplied through a residual current device (RCD) with a rated residual operating current < 30mA. |
| Â | A AVERTISSEMENT DANGER DE CHOC ÉLECTRIQUE La pompe est dotée d'un cordon d'alimentation avec mise à la terre muni d'une fiche. Pour réduire le risque de choc électrique, branchez uniquement sur une prise correctement mise à la terre. Installez uniquement sur un circuit protégé par un disjoncteur différentiel. En dehors des États-Unis et du Canada, la pompe doit être alimentée par un dispositif à courant différentiel résiduel (RCD) fonctionnant à < 30mA. |
| | DO NOT alter the power cord or plug end. |
| | DO NOT use receptacle adapters. |
| 24 | DO NOT use pump with a damaged or altered power cord or plug end. Contact the factory or an authorized service facility for repair. |
| | A WARNING HAZARDOUS VOLTAGE DISCONNECT power cord before removing motor cover for service. Electrical service by trained personnel only. |
| $\overline{\mathbb{A}}$ | WARNING EXPLOSION HAZARD This pump is not explosion proof. DO NOT install or operate in an explosive environment. |
| \wedge | A WARNING RISK OF EXPOSURE |
| | Potential for burns, fire, explosion, personal injury, or property damage. To reduce risk of exposure, the use of proper personal protective equipment is mandatory. |
| | A WARNING RISK OF FIRE HAZARD DO NOT install or operate on any flammable surface. |
| ⚠ | A WARNING RISK OF CHEMICAL OVERDOSE To reduce risk, follow proper installation methods and recommendations. Check your local codes for additional guidelines. |
| ⚠ | A WARNING To reduce the risk of injury, do not permit children to use this product. This appliance is not to be used by persons with reduced physical, sensory or mental capabilities, or lack of experience and knowledge, unless they have been given supervision or instruction. |
| A | A WARNING RISK OF ELECTRIC SHOCK |
| | This pump has not been investigated for use in swimming pool or marine areas. |
| 4 | A AVERTISSEMENT RISQUE DE CHOC ELECTRIQUE La pompe n'a pas été vérifiée et approuvée pour utilisation sur des applications de piscine ou autre installation marine. |

SAFETY INFORMATION continued



MATERIALS OF CONSTRUCTION

All Housings Polycarbonate

Pump Tube & Check Valve Duckbill Santoprene[®] (FDA approved)

Pump Head Rollers Polyethylene

Suction/Discharge Line & Ferrules Polyethylene (FDA approved)

Suction Line Strainer and Cap PVC or Polypropylene (both NSF listed); ceramic weight

Tube & Injection Fittings PVC or Polypropylene (both NSF listed)

Connecting Nuts PVC or Polypropylene (both NSF listed)

All Fasteners Stainless Steel

ACCESSORIES

Contents

- 3 Connecting Nuts 1/4"
- 3 Ferrules 1/4"
- 1 Duckbill Check Valve
- 1 Weighted Suction Line Strainer 1/4"
- 20' Roll of Suction/Discharge Line 1/4" White
- 1 Additional Pump Tube
- 1 Manual

FLOW RATE OUTPUT

| Item Number Prefix | Pump Tube | Roller Assembly | Ounce per Minute | Pressure Max. psi | Milliliters per Minute | Pressure Max. bar |
|--------------------|-----------|--------------------|---------------------|----------------------|---------------------------|----------------------|
| E20MH | Н | Black | 2.7 | 80 | 74.0 | 5.5 |

Approximate Maximum Outputs @ 50/60Hz

| Setting | Run Time* in seconds | | | |
|---------|----------------------|----|--|--|
| Jetting | Simplex Duplex | | | |
| PRIME | 60 | 60 | | |
| 1 PPG | 22 | 11 | | |
| 1 PPL | 6 | 3 | | |
| 10 PPG | 2 | 1 | | |

* Times are approximate (in seconds).

Key

| PPG | pulse per gallon** |
|-----|--------------------|
| PPL | pulse per liter |

** 10 PPG is often referred to as 0.1 US gallons per pulse



NOTICE: The information within this chart is solely intended for use as a guide. The output data is an approximation based on pumping water under a controlled testing environment. Many variables can affect the output of the pump. Stenner Pump Company recommends that all metering pumps undergo field calibration by means of analytical testing to confirm their outputs.

OPERATION



The Stennicator requires a signal from a water meter providing a dry contact at a setting of 1PPG, 10 PPG or 1 PPL. It will proportionally dose at a ratio of 1:128 (1 oz. per gallon) to treat process flow rates up to 2.7 gpm^{*}. At any point, the potentiometer can be turned to the proper contacting rate setting (1 PPG, 10 PPG, or 1 PPL) to begin dosing proportionally at the rate of 1:128.

The pump incorporates a signal repeater relay, which will repeat the incoming signal to another Stennicator, device, or controller.

Turning the potentiometer to PRIME initiates a 60 second cycle to prime the pump. THE PRIME CYCLE HAS A 5 SECOND DELAY. At the end of the PRIME cycle, the pump will stop and will remain stopped until it is set to a contacting rate.

Turning the potentiometer to STANDBY, stops the pump and resets the PRIME cycle. To run another PRIME cycle, set to STANDBY, then turn the potentiometer to PRIME. When the pump is placed in STANDBY, it will not dose when it receives a signal from the water meter, but it will still repeat the incoming signal.

The installation can be duplexed by using two Stennicator pumps to keep pace at higher flow rates. By properly wiring the signal cables (details in the installation section) each pump will deliver at a ratio of 1:256 (0.5 oz. per gallon) to achieve a ratio of 1:128 (1 oz. per gallon). This will allow a ratio of 1:128 up to flows of 5.4 gallons per minute.

* At flow rates above 2.7 gpm the pump will run during its cycle and miss the next meter dry contact. It will restart when it receives the next dry contact.

INSTALLATION

ADDITIONAL SAFETY INSTRUCTIONS



NOTICE: Indicates special instructions or general mandatory action.

Read all safety hazards before installing or servicing the pump. The pump is designed for installation and service by properly trained personnel.



Use all required personal protective equipment when working on or near a metering pump.

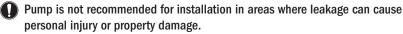


Install the pump so that it is in compliance with all national and local plumbing and electrical codes.



Use the proper product to treat potable water systems, use only additives listed or approved for use.

Inspect tube frequently for leakage, deterioration, or wear. Schedule a regular pump tube maintenance change to prevent damage to pump and/or spillage.



24VDC MODELS

POWER INSTRUCTIONS

24VDC Econ models can be controlled by turning on and off the 24VDC power. Electrical installation should adhere to all national and local codes. Consult a licensed professional for assistance with proper electrical installation. The installer is responsible for sizing the equipment used with this pump. Connect power lead wires to a 24VDC power supply.

Red = +24VDCBlack = -24VDC

FUSE INFORMATION

Pump is supplied with a standard 2 amp blade fuse located inside the housing. The fuse holder is taped to the bottom of the housing to keep wires contained when reassembling the pump.

If the fuse fails there is an issue with the pump or power supply. Identify and correct the issue before changing the fuse.

When changing the fuse be sure to reattach the fuse holder to the tape inside the housing.

MOUNT PUMP

Select a dry location (to avoid water intrusion and pump damage) above the solution tank.

To prevent pump damage in the event of a pump tube leak, never mount the pump vertically with the pump head up.

()

DO NOT mount pump directly over an open solution tank. Keep tank covered.

Avoid flooded suction or pump mounted lower than the solution container. Draw solution from the top of the tank. Pump can run dry without damage. If pump is installed with a flooded suction, a shut-off valve or other device must be provided to stop flow to pump during service.

To prevent motor damage, verify with a volt meter that the receptacle voltage corresponds with the pump voltage.

1. Connect the wires

Simplex Installation

- a. Connect the BLACK & RED wires from the pump to the dry contact input from the water meter.
- **b.** Connect the GREEN & WHITE wires from the pump to another device that accepts a dry contact input as desired or required by the application.

Duplex Installation

a. Connect BROWN (or ORANGE) & BLUE wires together in Pump #1.

b. Connect BROWN (or ORANGE) & BLUE wires together in Pump #2.

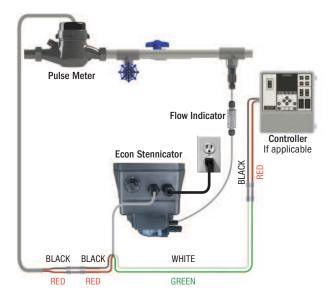
NOTE: The BROWN (or ORANGE) & BLUE wires are connected to allow for the pumps to run at half of the standard cycle time. This allows the signal output, from the first pump, to be provided to a second Stennicator to allow treatment of up to 5.4 of process flow. DO NOT connect the BROWN (or ORANGE) & BLUE wires from one pump to another.

- c. Connect GREEN & WHITE wires of Pump #1 to BLACK & RED wires of Pump #2.
- **d.** Connect BLACK & RED of Pump #1 to the dry contact input from the water meter.
- e. Connect the GREEN & WHITE wires from Pump #2 to another device that accepts a dry contact input as desired or required by the application.
- 2. Set the potentiometer to STBY.
- 3. Plug cord into receptacle.

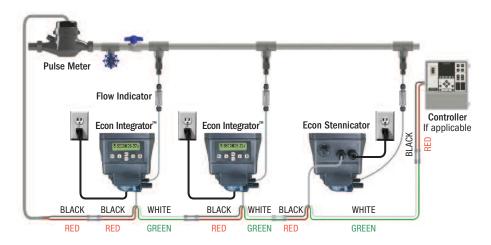
NOTE: The repeater relay is rated for a maximum signal level of 36VDC @ 25mA.

INSTALLATION DIAGRAM RELAY WIRING

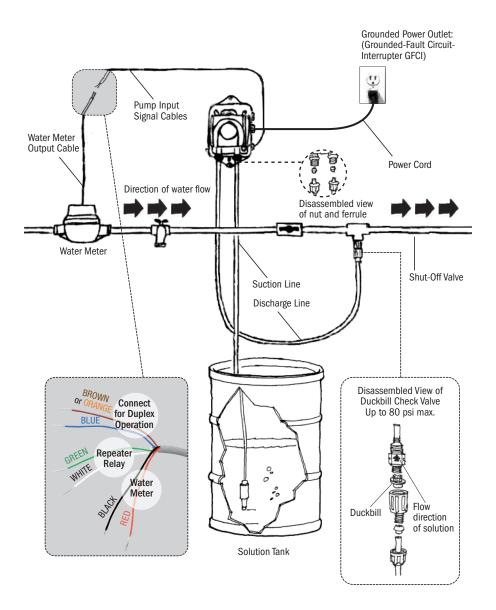
ECON STENNICATOR



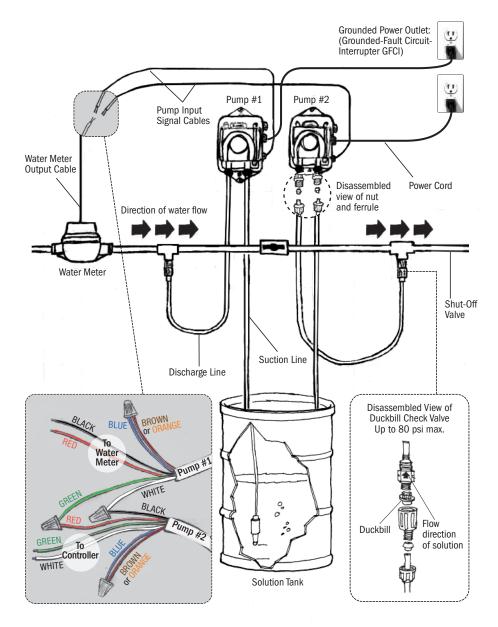
ECON STENNICATOR & ECON INTEGRATOR™



INSTALLATION DIAGRAM SIMPLEX



INSTALLATION DIAGRAM DUPLEX



INSTALL SUCTION LINE TO PUMP HEAD

Uncoil the suction/discharge line. Use outside of solution tank as a guide to cut 1. proper length of suction line ensuring it will be 2-3" above the bottom of solution tank.

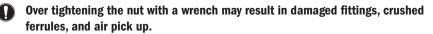


Allow sufficient slack to avoid kinks and stress cracks. Always make a clean square cut to assure that the suction line is burr free. Normal maintenance requires trimming.

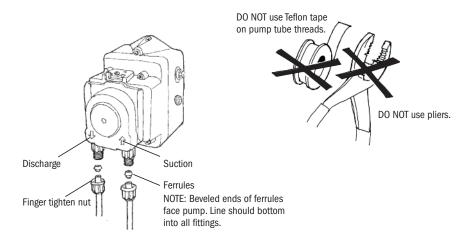


Suction lines that extend to the bottom of the tank can result in debris pickup leading to clogged injectors and possible tube failure.

- 2. Make connections by sliding the line(s) through connecting nut and ferrule and finger tighten to the corresponding tube fittings.
- 3. Finger tighten nut to the threaded tube fitting while holding the tube fitting.

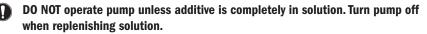


DO NOT use thread sealant tape on pump tube connections or tools to tighten connections.

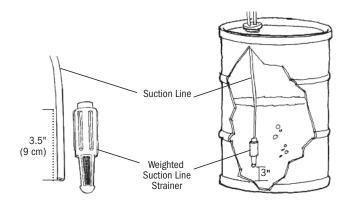


INSTALL SUCTION WEIGHT TO SUCTION LINE

- **1.** Drill a hole into the bung cap or solution tank lid. Slide the line through and secure the weighted strainer to the line.
- **2.** To attach the strainer, push approximately 3.5" of suction line through the cap on the strainer body. Pull line to make sure it is secure.
- 3. Suspend slightly above tank bottom to reduce the chance of sediment pickup.
- **DO NOT** mix additives in the solution container. Follow recommended mixing procedures according to the manufacturer.



DO NOT slide line all the way to the bottom of the weighted strainer. Line could become flush with the nose of the strainer and the pump may not prime due to blockage.



INSTALL DISCHARGE LINE TO PUMP HEAD AND INJECTION POINT

1. Make a secure finger tight connection on the discharge fitting of the pump head as instructed in Install Suction Line instructions.



DO NOT use thread sealant tape on pump tube connections or tools to tighten connections.

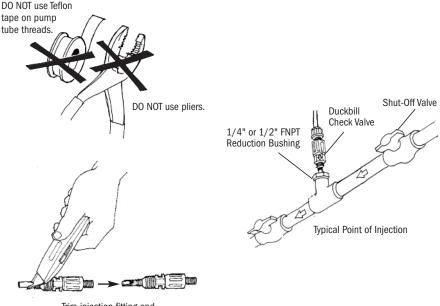


A WARNING HAZARDOUS PRESSURE: Shut off water or circulation system and bleed off any system pressure.



Locate a point of injection beyond all pumps and filters or as determined by the application.

- 2. A 1/4" or 1/2" Female NPT (FNPT) connection is required for installing the injection fitting. If there is no FNPT fitting available, provide one by either tapping the pipe or installing FNPT pipe tee fitting.
- **3.** Wrap the Male NPT (MNPT) end of injection fitting with 2 or 3 turns of threading tape. If necessary, trim the injection fitting guill as required to inject product directly into flow of water.



Trim injection fitting end

- 4. Hand tighten the injection fitting into the FNPT fitting.
 - **a.** Install connecting nut and ferrule to the pump discharge line. Insert discharge line into injection fitting until it reaches base of fitting.
 - b. Finger tighten connecting nut to fitting.
- **5.** Turn pump on and re-pressurize system. Observe flow as actuated by system and check all connections for leaks.
- **6.** After suitable amount of dosing time, perform tests for desired readings (e.g., pH or ppm). If necessary, fine tune dosing levels by rotating potentiometer or by adjusting solution strength.
- The injection point and fitting require periodic maintenance to clean any deposits or buildup. To allow quick access to the point of injection, Stenner recommends the installation of shut-off valves.

TROUBLESHOOTING DRIVE ASSEMBLY

A WARNING HAZARDOUS VOLTAGE:

DISCONNECT power before service. **Electrical service should be performed by trained personnel only.**

| PROBLEM | POSSIBLE CAUSE | SOLUTION |
|------------------------------|-------------------------------|---|
| Loud or excessive noise | Insufficient gear lubrication | Apply Aquashield to gears and gear posts |
| | Worn gears or gear posts | Inspect/replace gears and gear posts |
| Drive assembly does not work | Faulty electrical supply | Check electrical supply |
| | Damaged DC motor | Replace drive assembly |
| | Damaged power cord | Replace drive assembly |
| Drive assembly runs; | Worn or damaged gears | Replace gears as needed |
| output shaft does not turn | Damaged circuit board | Replace drive assembly |
| Phenolic gear is stripping | Worn gear posts | Replace gear posts & affected gears |
| | Rusted helical gear | Buff off helical gear and replace phenolic gear |
| | Insufficient lubrication | Apply Aquashield to gears and gear posts |

TROUBLESHOOTING PUMP HEAD

| PROBLEM | POSSIBLE CAUSE | SOLUTION |
|---------------------------------------|---|--|
| Components are cracking | Chemical attack | Check chemical compatibility |
| | Chemical intrusion from tube failure | Identify and correct cause. Clean components of chemical and replace tube according to manual |
| Pump head leaking | Pump tube rupture | Identify and correct cause. Clean components of chemical and replace tube and ferrules according to manual |
| No pump output; pump head rotates | Depleted solution tank or weighted strainer is above solution | Replenish solution and position suction line 3" above bottom of tank |
| | Leak in the suction line or at connections | Correct or replace suction line, and/or connections |
| | Ferrules installed incorrectly, missing or damaged | Replace ferrules, beveled end faces pump |
| | Injection point is clogged | Inspect and clean injection point |
| | Clogged suction and/or discharge line and/or check valve | Clean and/or replace as needed |
| | Life of pump tube is exhausted | Replace tube and ferrules according to manual and schedule tube replacement based on application |
| | Suction line is flush with the nose of the weighted strainer | Pull suction line approximately 1" from bottom of strainer; cut bottom of suction line at an angle |
| | Pump cover not secured properly | Ensure that pump cover latch is fully closed |
| Low pump output; pump head rotates | Life of pump tube exhausted | Replace tube and ferrules according to manual and schedule tube replacement based on application |
| | Rollers worn or broken | Replace roller assembly |
| | Injection point is restricted | Inspect and clean injection point regularly |
| | Incorrect tube size or setting | Refer to flow rate output chart and determine correct setting or replace tube with correct size |
| | High system back pressure | Confirm system pressure does not exceed 80 psi (5.5 bar) maximum |
| | Incorrect programming | Review sizing and programming |
| | Incorrect wiring | Check to ensure wiring is correct |
| | Pump cover not secured properly | Ensure that pump cover latch is fully closed |
| No pump output; | Stripped roller assembly hub | Replace roller assembly |
| pump head doesn't rotate | Faulty board | Replace drive assembly |
| | Drive assembly problem | Refer to drive assembly troubleshooting |
| | Incorrect programming | Review sizing and programming |
| | Incorrect wiring | Check to ensure wiring is correct |
| Pump output is high | Incorrect tube size or setting | Refer to flow rate output chart and determine correct setting or replace tube with correct size |
| | Roller assembly is broken | Replace roller assembly |
| | Incorrect programming | Review sizing and programming |
| | Incorrect wiring | Check to ensure wiring is correct |

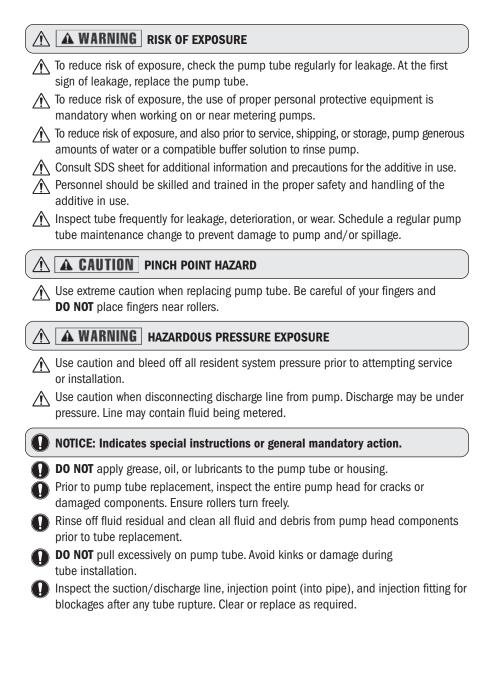
TROUBLESHOOTING PUMP TUBE



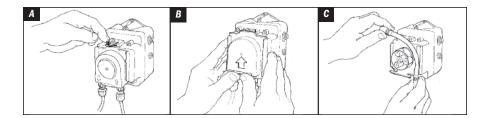
NOTICE: A leaking pump tube damages the metering pump. Inspect pump frequently for leakage and wear. Refer to Tube Replacement section for additional safety precautions and instructions.

| PROBLEM | POSSIBLE CAUSE | SOLUTION |
|--|---|---|
| Tube leaking | Pump tube ruptured | Identify and correct cause. Clean components of chemical and replace tube and ferrules according to manual. |
| | Mineral deposits at injection point | Clean injection fitting. Replace pump tube, ferrules and duckbill according manual. |
| | Excessive back pressure 80 psi (5.5 bar) maximum | Verify system pressure against tube psi, replace tube and ferrules |
| | Tube is twisted | Replace tube & ferrules according to manual, hold tube fitting while tightening connecting nut to prevent twisting. |
| | Tube not centered | Clean components of chemical, replace tube and ferrules according to manual & confirm tube is centered |
| Tube life is shortened | Chemical attack | Check chemical compatibility |
| | Mineral deposits at injection point | Clean injection fitting. Replace tube, ferrules & duckbill according to manual |
| | Sediment blockage at injection fitting | Clean injection fitting, ensure suction line is 3" above tank bottom; use suction line strainer |
| | Seized rollers caused abrasion on tube | Clean roller assembly or replace, do not lubricate |
| | Exposure to heat or sun | Do not store tubes in high temperatures or in direct sunlight |
| Tube connection is leaking or damaged | Ferrules installed incorrectly, missing or damaged | Replace ferrule, beveled end faces pump |

TUBE REPLACEMENT



TUBE REPLACEMENT



PREPARATION

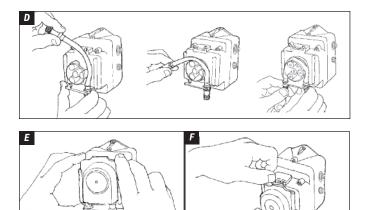
- **1.** Follow all safety precautions prior to tube replacement.
- **2.** Prior to service, pump water or a compatible buffer solution through the pump and suction/discharge line to remove fluid and avoid contact.
- 3. Turn pump off.
- 4. Disconnect the suction and discharge connections from pump head.

REMOVE TUBE

Always unplug pump before doing maintenance work.

- 1. Unplug the pump.
- 2. Slide the vertical tab 180 degrees from left to right to unlock the cover latch. A
- 3. To slide cover off, push up on the raised edge. B
- 4. Release the fittings from the slots to remove the tube. 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. **D**
- 2. Align tube housing cover with track and slide over tube until fully closed. E
- 3. Plug the pump in.
- 4. Run the pump at full speed for one minute to relax the tube.
- To lock cover in place, press down on the cover while turning the vertical tab 180 degrees from right to left. F
- 6. Run pump at full speed for one minute to verify operation.
- 7. Reconnect the suction and discharge lines.
- 8. Prime pump.

CLEANING THE POINT OF INJECTION SAFETY INFORMATION



NOTICE: Indicates special instructions or general mandatory action.

The duckbill check valve allows the extension tip to be installed in the center of the pipe directly in the flow of water to help reduce deposit accumulation.

A WARNING Warns about hazards that CAN cause death, serious personal injury, or property damage if ignored.

This is the safety alert symbol. When displayed in this manual or on the equipment, look for one of the following signal words alerting you to the potential for personal injury or property damage.

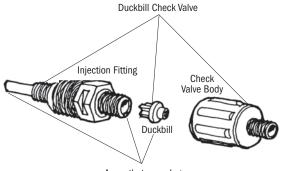


A WARNING HAZARDOUS PRESSURE/CHEMICAL EXPOSURE

M Use caution and bleed off all resident system pressure prior to attempting service or installation.

Use caution when disconnecting discharge line from pump. Discharge line may be under pressure. Discharge line may contain chemical.

To reduce risk of exposure, the use of proper personal protective equipment is mandatory when working on or near chemical metering pumps.

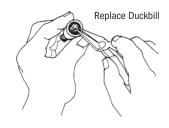


Areas that may clog

CLEANING THE POINT OF INJECTION continued

- **1.** Turn metering pump off and unplug cord. Disable water pump or auxiliary equipment electrical supply.
- 2. Depressurize system and bleed pressure from pump discharge line.
- **3.** Loosen and remove connecting nut and ferrule from the duckbill check valve to disconnect discharge line:
 - Unscrew the top fitting (check valve body) to disassemble. The bottom fitting (injection fitting with arrow) should remain attached to the pipe.
 - Remove duckbill from check valve body and replace if deteriorated or swollen (replace duckbill with every tube change). If clogged, clean or replace (yearly replacement recommended).
 - Examine O-ring in the injection fitting and replace if deteriorated or damaged.
- 4. Insert a #2 Phillips head screwdriver through injection fitting into the pipe to locate or break up accumulated deposits. If screwdriver cannot be inserted, drill the deposit out of the injection fitting (DO NOT drill through the opposite pipe wall).

More on next page



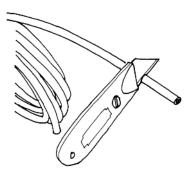


deposits with a #2 Phillips head screwdriver.

Periodic inspection and cleaning of the point of injection will maintain proper pump operation and provide maximum tube life.

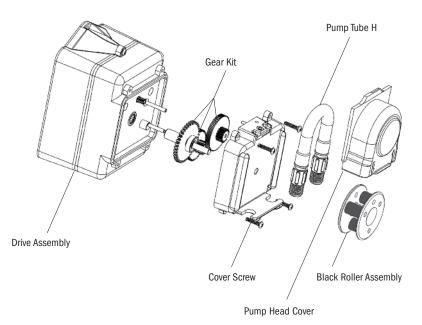
CLEANING THE POINT OF INJECTION continued

- **5.** Replace discharge line if cracked or deteriorated. If the end is clogged, cut off the calcified or blocked section of discharge line:
 - Reassemble the duckbill check valve in reverse order.
 - Replace ferrule and reinstall the discharge line to the duckbill check valve approximately 3/4" until it stops.
- **6.** Tighten the connection nut finger tight.
- 7. Enable the water pump electrical supply and pressurize the water system.
- 8. Put the metering pump back in service and inspect all connections for leaks.



Cut off the calcified or blocked section.

EXPLODED VIEW



USA and Canada 800.683.2378, International 904.641.1666 Stennicator 29

PARTS

Pump Tubes

Includes tube, ferrules 1/4"

| DESCRIPTION | UM | PART NUMBER |
|--------------------|------|-------------|
| H Santoprene® tube | 2-PK | EC30H-2 |

Pump Head Parts

| DESCRIPTION | UM | PART NUMBER |
|----------------------------------|----|-------------|
| Roller Assembly, black Tube H | EA | EC351 |
| Pump Head Cover | EA | EC355 |

Motor Parts

| DESCRIPTION | UM | PART NUMBER |
|---|-----|-------------|
| Gear Kit with spacers, screws & AquaShield | KIT | EC320 |
| Drive Assembly Pad | EA | EC302 |
| Mounting Kit for wall mount or Stenner tank | KIT | EC303 |
| Pump Stand for horizontal display or wall mount | KIT | EC304 |

MOUNTING TEMPLATE



STENNER PUMPS

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Assembled in the USA with US and international components

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