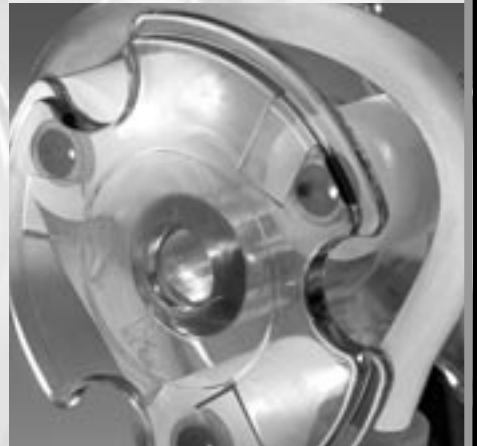


SVP Series INSTALLATION AND MAINTENANCE MANUAL

RELIABLE CHEMICAL FEEDERS SINCE 1957



OPERATING REQUIREMENTS

CAUTION: PLEASE READ PRIOR TO INSTALLATION



WARNING: Risk of electrical shock. This pump is supplied with a grounding conductor and grounding type of attached plug. To reduce risk of electrical shock, be certain that it is connected to a properly grounded grounding-type electrical receptacle. This pump is intended for indoor use.

NOTE: This metering pump and its components have been tested for use with the following chemicals: Sodium Hypochlorite (10-15% solution); Muriatic Acid (20-22 Baume, 31.5% HCl); Soda Ash.

AVERTISSEMENT: Risqué de choc électrique. Cette pompe est équipée d'une fiche de mise à terre. Pour réduire le risque de choc électrique, s'assurer que la fiche est bien raccordée à une prise de courant avec une connexion de mise à terre.

Cette pompe est prévue pour utilisation à l'intérieur.

NOTE: Cette a pompe de dosage et ses composants ont été testés pour utilisation avec les produits chimiques suivants; Hypochlorite de Sodium (solution de 10-15%); Acide Muriatique (20-22 Baume, 31.5% HCl); Cendre de Soude.

DO

- **DO** check outlet with volt meter before connecting feeder power cord. This can prevent motor burnout from over voltage.
- **DO** connect the metering pump to the same electrical circuit as the pool, well pump or controller. This will stop metering pump operation and will aid in preventing overdosing in the event of an electrical malfunction.
- **DO** install pump according to the installation instructions provided. Stenner metering pumps properly installed and maintained provide a limited amount of protection from siphoning. Dependent on state or local building codes and system-piping configurations, auxiliary devices may be required.
- **DO** use the proper product to treat potable water. Chemicals should be approved for or listed for use with potable water.

DO NOT

- **DO NOT** use thread seal tape or pliers on tube fitting connections.
- **DO NOT** apply any type of lubrication grease or oil to the pump tube.
- **DO NOT** mount the pump vertically with the pump head pointing up because chemical damage will occur in the event of leakage or tube rupture.
- **DO NOT** install the unit directly over an open solution container. Solution containers should be kept covered or closed. Chemical fumes can damage the pump.
- **DO NOT** mount the pump on any flammable surface.
- **DO NOT** mix chemicals in or fill the solution tank while the metering pump is running. Keep the suction line away from the bottom of the solution container to eliminate residue pickup and possible clogging.
- **DO NOT** operate the metering pump before the chemical is completely in solution. Follow the chemical manufacturer's instructions for mixing. Soda Ash must be kept agitated continuously with a mixer tank.
- **DO NOT** install the metering pump in a way that will allow a possible cross connection of a non-potable water source to a potable water source.

OPERATING REQUIREMENTS

PRE-INSTALLATION INSTRUCTIONS

1. Verify metering pump model and voltage requirements.
2. Unpack pump and all box contents. Separate contents to verify all items have been received.

Accessories included with each metering pump are based on pressure rating (25 or 100 psi) and suction/discharge tubing size (1/4", 3/8", 6mm).

25 psi unit includes:

- (3) Connecting Nuts (1/4" or 3/8")
- (3) Ferrules
- (1) Injection Fitting
- (1) Ceramic weight with clip
- (1) 20' roll of 1/4", 3/8" or 6mm suction & discharge tube (white or UV black)
- (1) Spare pumping tube
- (1) Installation and Maintenance Manual

100 psi includes:

- (3) Connecting Nuts (1/4" or 3/8")
- (3) Ferrules
- (1) Injection Check Valve
- (1) Ceramic weight with clip
- (1) 20' roll of 1/4", 3/8" or 6mm suction & discharge tube (white or UV black)
- (1) Spare pumping tube
- (1) Installation and Maintenance Manual

3. Read the Installation and Maintenance Manual before beginning the installation.

FOR YOUR RECORDS

MODEL # _____

SERIAL # _____

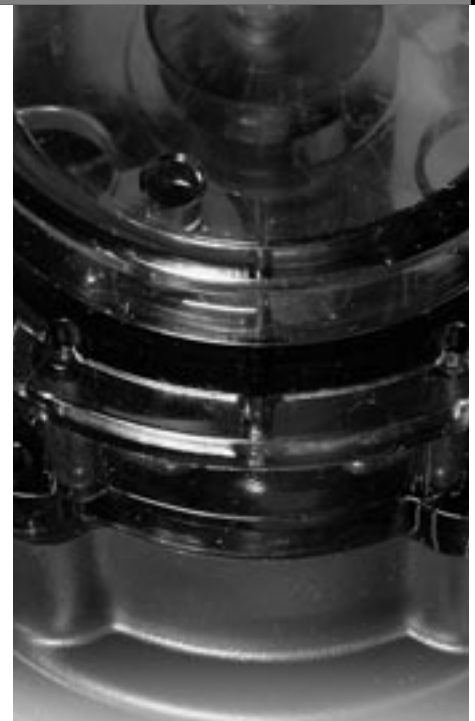
DATE OF INSTALLATION _____

PURCHASED FROM/INSTALLED BY _____

RECOMMENDED INSTALLATION SET UP _____

Disclaimer

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



Storage Suggestions

When your metering pump is not in use, we recommend that you:

- **Run fresh water through pump to rinse chemical from pump tube and allow to run dry.**
- **Rinse off and wipe clean chemical residue or debris from tube housing & roller assembly to avoid corrosion.**
- **Store pump and pumping tubes in a non-corrosive environment and dry location to avoid possible water intrusion.**
- **Do not store pumping tubes on chemical tank, in the pump room or direct sunlight.**

PRODUCT SPECIFICATIONS

Pump output is determined by motor RPM and tube size. In addition, Stenner chemical feeders are available as low-pressure or high-pressure models (0-25 psi=low pressure, 26-100 psi=high pressure).

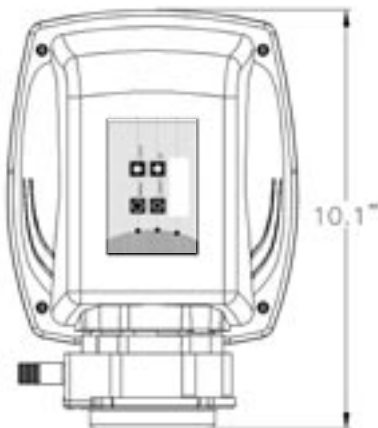
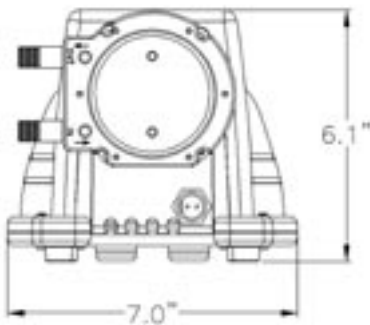
SVP Series Maximum Output

U.S. Gallon Ranges:

Tube Size	Max GPD	psi
1	5.0	100
2	17.0	100
3	40.0	25
4	60.0	25
5	85.0	25
7	40.0	100

Metric Ranges:

Tube Size	Max LPD	bar
1	18.9	6.9
2	64.3	6.9
3	151.4	1.72
4	227.1	1.72
5	321.7	1.72
7	151.4	6.9



Specifications:

- Discharge Pressures** 0-100 psi; 0-6.9 bar
- Output Ranges** 0.3-85 gallons/day;
 0.95-321.7 liters/day
- Turndown Ratio** (variable speed)
 20:1, approx. 5% to 100%
 in 1% increments
- Voltages Available** 120v 50/60 Hz; 220v 50/60 Hz;
 230v 50 Hz
- Motor RPM** 45
- Amp Draw** 1.5 maximum
- Horsepower** 1/30 fractional
- Connections** 1/4", 3/8" or 6mm
 suction/discharge tubing
- Shipping Weight** 7 lbs (3.17 kg)
- Viscosity** Maximum 1500 cps;
 over 1500 cps consult factory
- Operating Temperature** Maximum 125 degrees Fahrenheit/
 51.6 degrees Celsius

Materials of Construction:

All Housings* Lexan® Polycarbonate Plastic

Peristaltic Tube** Santoprene® FDA Approved

Check Valve Duckbill

Suction/Discharge Tubing . . LDPE Polyethylene-NSF/FDA Approved
Ferrules(1/4" & 6mm)

Tube Fittings Type 1 Rigid PVC-NSF Listed

Connecting Nuts

Check Valve Fittings

Ceramic Weight Clip

Suction Weight Ceramic

All Fasteners Stainless Steel

* Lexan® is a registered trademark of General Electric. Consult General Electric for chemical resistance of Lexan®.

**Santoprene® is a registered trademark of Advanced Elastomer System. Refer to chemical resistance chart in Stenner catalog for material compatibility.

Materials for all wetted parts have been tested and approved for potable water applications.

INSTALLATION INSTRUCTIONS

All pumps are portable and are designed to be readily removable from the plumbing system without damage to connections.

Discharge Side

Shut off water supply.

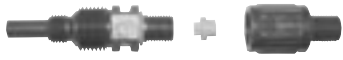


Connect nut and ferrule to injection fitting or injection check valve. Finger tight only.

To prevent leaks, all the ferrules must be installed as illustrated.

At point of injection, provide a female 1/2" or 1/4" connection. Install beyond all pumps, filters or tanks.

Cut discharge tubing to desired length with enough slack to avoid kinks.



Note: The use of an Injection Check Valve as shown above is required in all high-pressure applications (26 to 100 psi – 1.73 to 6.9 bar).

Connect nut, ferrule and discharge tubing to the discharge side of the pumping head (labeled "out" on cover of head). Finger tight only. Do not use thread seal tape.

Suction Side

Run the suction tubing to the solution tank. Allow for some slack in the tube to avoid kinks.

Measure the suction tubing on outside of solution tank to ensure it will be 2-3" from the bottom of the tank. Do not allow weight to sit at the bottom of the tank.



Immerse in Solution Tank.

STEP 1

Mount Chemical Metering Pump and Verify Supply Voltage

- 1.1 Locate a suitable location within ten feet of the point of injection. Preferably one to two feet above highest level of chemical solution tank. **DO NOT** mount pump directly over an open chemical solution tank. **AVOID** flooded suction installations. Example: A bulk fitting or bung fitting at the bottom or side of tank.
- 1.2 Locate a suitable mounting surface or shelf. Mount to a nonflammable surface.
- 1.3 Place the unit on the shelf or suitable surface.

Plugging In

Check voltage of the outlet vs. voltage requirement of feeder with a voltage meter.

Turn pump on and set control speed to provide the desired dose amount.



Connect nut, ferrule and suction tubing to the suction side of the pumping head (labeled "in" on cover of head). Hand tight only. Do not use thread seal tape.

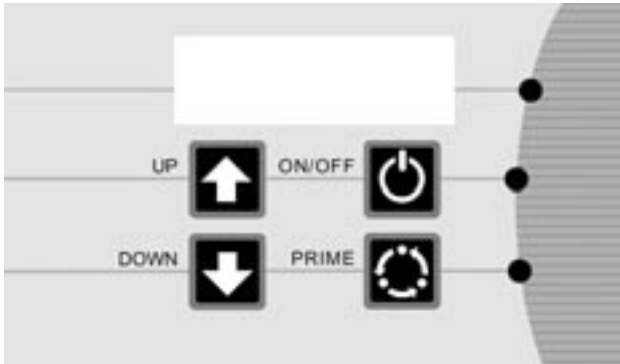
- 1.4 Verify voltage of the control circuit receptacle you will plug the metering pump into. Use a voltmeter or multi-meter. Cycle the pump control (flow switch, pressure switch, controller, etc.) to verify the metering pump power supply circuit works in conjunction with the control equipment.
- 1.5 Plug the metering pump power cord into the receptacle. Stenner pumps are to be plugged into a properly installed grounding-type receptacle. Installation should adhere to national and local codes. Consult a licensed professional for assistance as required.
- 1.6 Depress the On-Off button located on the keypad to verify the unit has input power. Red LED display will light up when supply voltage is present and unit is turned **ON**. SVP1 Models continue. **SVP4 Models skip step 1.7, proceed to step 1.8.**

INSTALLATION INSTRUCTIONS

STEP 1...CONTINUED

SVP MODELS – The metering pump can be incremented up and down through the available speed range using the keypad located on the top of the pump.

- 1.7 Depress the On-Off button again to turn the metering pump off. **Proceed to Step 2 for SVP1 Model.**
- 1.8 **SVP4 Models** – The metering pump functions identically to the SVP1. To change the mode of operation to **Automatic Mode** (4-20mA operation) simultaneously depress both the up and down keys and hold for two seconds. The mode of operation will change and be indicated by a small LED dot located at the left side of the display. Any settings entered in the variable speed mode will remain in memory.



1.8.1 Depress On-Off button again to turn the metering pump off.

1.8.2 **SVP4 Models** – If using the **Automatic Mode** of operation (4-20mA DC analog signal), plug the supplied input signal connector to the corresponding receptacle located on the front of the pump to the right and below the pump head. Connect the two conductors to the supply conductors ensuring proper polarity. Red is + positive / Black is – negative.

WARNING - Pump and input signal current must be off before making these connections. Failure to connect with proper polarity will result in the pump not responding to the input signal. Failure to ensure that the unit is off and that there is no input signal current may result in corruption of the microprocessor controller and result in erratic operation. Do not connect input signal cord to an AC electrical supply. Do not exceed 48 vdc mA signal.

STEP 2

Install Suction Line

- 2.1 Locate the 20' roll of suction/discharge tubing and uncoil. Determine the required amount of suction tubing required to reach two to three inches from the bottom of chemical tank. Use the outside of the tank as a guide. Mark this length on tubing.
- 2.2 Using a sharp utility knife cut the tubing square and burr free.
- 2.3 Slide one connecting nut over the tubing, followed by one ferrule. Slide up the tube 1/2" to 3/4", making sure the tapered or angled portion of the ferrule and the female thread end of the nut is pointed towards the cut end of tubing.
- 2.4 Insert the tubing approximately 3/4" into pump tube suction fitting labeled "IN" on tube housing cover. Tighten **FINGER TIGHT ONLY** while holding the "IN" fitting to prevent rotation.
- 2.5 Drill a 17/64" hole into the bung cap, lid bottle cap, etc., of the chemical tank. Push the suction tubing into the tank.
- 2.6 Insert the tubing into the ceramic weight assembly keeping the tubing approximately one inch from the end of the ceramic weight. Suspend the ceramic weight two or three inches from the bottom of tank. Proceed to Step 3.

Note: DO NOT install suction/discharge tubing with tight radius bends or without slack. Insufficient slack or tight bends will cause excessive stress to the tubing leading to stress cracks and failure.

STEP 3

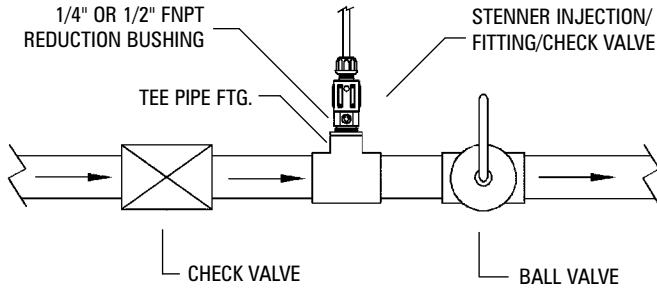
Install Discharge Line

- 3.1 Locate remaining suction/discharge tubing, two connecting nuts and ferrules.
- 3.2 Repeat step 2.3. Install connecting nut and ferrule 1/2" to 3/4" up the tubing.
- 3.3 Insert the tubing approximately 3/4" into pump tube discharge fitting labeled "OUT" on tube housing cover. Tighten **FINGER TIGHT ONLY** while holding the "OUT" fitting to prevent rotation.

INSTALLATION INSTRUCTIONS

STEP 3...CONTINUED

- 3.4** Shut off the water or circulation system and bleed off any resident system pressure.



- 3.5** Locate suitable point of injection. Install beyond all pumps and filters or as determined by application. If there is no 1/2\"/>

- 3.6** Drill and tap the pipe wall 1/2\"/>

3.61 Drill the proper tap size hole directly into a pipe wall (if a hole exists from previous install, be sure it is cleared of any build up). Use caution when drilling so as not to drill completely through pipe.

3.62 Using the corresponding size pipe tap, run the tap into the hole 3 to 4 full threads of the tap. DO NOT run the tap too far into the hole. Go slow and use the MNPT end of the injection fitting or check valve as a gauge to check thread fit.

Helpful Tip: Verify thread fit with the FNPT end of the injection fitting. Proper FNPT thread engagements allow for two-and-a-half to three turns of the male thread or nipple before full engagement.

- 3.7** Install a suitable pipe tee fitting or reduction tee. Use the proper procedures for solvent welding PVC fittings as provided by the glue manufacturer. Allow ample drying time as recommended by the manufacturer instructions for the product being used.
- 3.8** Locate the injection fitting or injection check valve. Wrap the MNPT end of the fitting with 2 or 3 wraps of thread seal tape.
- 3.9** Install the MNPT end of the fitting into the FNPT point of injection and hand tighten. Trim extension tip as required to put tip directly in the flow of water.

- 3.10 High pressure install (26-100 psi models)**

Turn on the water system and allow the system to reach operating pressure. Check the installed check valve for leaks at the NPT threads and tighten an additional 1/4 to one turn if required. Install the remaining connecting nut and ferrule onto the discharge tubing. Insert the tubing into the injection check valve until tubing bottoms in the fitting. Tighten the connecting nut.

- Low pressure install (0-25 psi models)**

Install the remaining connecting nut and ferrule onto the discharge tubing. Insert the discharge tubing into the injection fitting 3/4\"/>

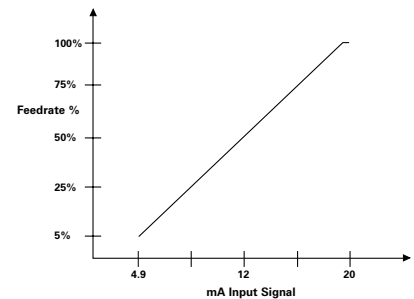
- 3.11** Depress and hold the **PRIME** key on the keypad and allow the pump to fully prime. Check connections for leaks.

- 3.12** Set the metering pump to the desired speed (**Variable Speed Mode of Operation**) required for your application. This is the initial setting. Check the entire system for leaks.

- 3.13** Provide the required input signal for **Automatic Mode of Operation**. The metering pump will respond to the signal and either speed up or down depending on the signal received. (See page 6, step 1.8)

The metering pump is designed to respond to 4-20mA signals as follows: 4 – 4.7mA = Off or Zero (0) percent motor speed.

4.8 – 19.9 the pump will respond in approximately One (1) percent increments every 0.16 mA. Over 19.9 mA the metering pump will operate at 100 percent motor speed.



- 3.14** After a suitable amount of time dosing, verify your application with test equipment. Perform final adjustments to the metering pump setting (Variable Speed Mode) or Controller (4-20mA input adjustments) to provide the required residual or results as determined through adequate test equipment or analysis.

TUBE REPLACEMENT INSTRUCTIONS

CAUTION: BE CAREFUL OF YOUR FINGERS.
Do not pull excessively on pump tube. Avoid kinks.

Removing the Old Tube

1. Place the pump in "Manual" (variable speed) and set to 5 on the display.
2. Turn the metering pump off.
3. Remove the screws and the tube housing cover.
4. Depress the prime button located on the keypad to jog the roller assembly until one of the three slots in the roller assembly lines up with the bottom tube fitting (suction side).
5. Without moving the roller assembly further lift the suction tube fitting out of the housing slot and pull it toward the center of the roller assembly.
6. Turn the pump "ON" and allow the roller assembly to jog while guiding the tube up and out of the housing. Turn the pump "OFF" when the slot in the roller assembly aligns with the "OUT" (discharge) tube fitting. Completely remove the tube assembly.



Installing the New Tube

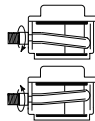
1. Depress the prime button located on the keypad until one of the slots in the roller assembly aligns with the "IN" (suction) tube fitting slot in the housing.
2. Place the tube fitting into position in the housing and slot.
3. Turn the pump to "ON" and allow the pump to jog the roller assembly while guiding the tube to prevent it from getting pinched between the housing and roller assembly.
4. When the roller assembly slot reaches the housing slot that the fitting inserts into, depress the prime button to aid in stretching the tube assembly until it can be inserted into the housing.
5. Turn the pump "OFF."
6. Replace the cover screws leaving the front screw over the fittings loose enough to rotate the tube fitting.



Centering the Tube

To obtain maximum tube life, the tube must ride in the center of the rollers.

1. To center the tube on the rollers, depress and hold the prime button to continually rotate the rollers.
2. Turn the "IN" (suction) tube fitting located on the bottom of the pump head not more than 1/8" of a turn in the direction in which the tube must move.
3. Observe the tube assembly respond and adjust in either direction until the tube rides approximately in the center of the rollers.



Note: Avoid rotating your wrist while installing tube. This will prevent tube twisting. A twisted tube will not center. **BE CAREFUL OF YOUR FINGERS.** Do not force the tube.

IMPORTANT TIP

Schedule a Regular Tube Maintenance Change to prevent chemical damage to pump and/or chemical spillage

- Always rinse off and wipe chemicals, residue and debris from the pump head components before replacing the tube.
- Check the pump tube regularly for leaks and wear. At the first sign of leakage, replace the pumping tube and ferrules.
- Inspect the suction/discharge tubing, injection point (into the pipe) and injection check valve duckbill for blockages after any tube rupture. Clear as required.
- Inspect the pump head components for cracks. Ensure that the rollers are spinning freely.
- Tighten the suction/discharge connecting nuts, finger tight only.
- Pump fresh water through the tubing to clean out chemicals if the unit is to be shut off for a prolonged period or shipped.
- Follow all the guidelines for pump tube installation and centering.

IMPORTANT CAUTIONS

- Use caution when disconnecting the suction/discharge lines when changing the tube or the tube housing as they may contain hazardous chemicals. Loosen connection nut to relieve resident pressure on the discharge "OUT" pump tube.
- The use of protective eye gear, hand gear and clothing is mandatory at all times during service to prevent chemical contact.

SEPARATING AND RECONNECTING COMPONENTS

Stenner's quick-lock riveting system makes component separation and reconnection fast and easy.



Pump Head Removal

1. Turn "OFF" the pump and unplug the power cord.
2. Hold the pump motor section and turn the pump head clockwise, until it stops.
3. Pull the pump head straight out and off.

Note: Older pumps or pumps that have had a tube rupture may require the use of a flat blade screwdriver to assist in pump head removal. Insert the screwdriver behind the pump head and carefully pry the pump head off the motor shaft while pulling.

Pump Head Installation

1. Hold the pump motor section and insert the motor shaft into the pump head making sure the flat of the motor shaft aligns with the corresponding flat of roller assembly.
2. Rotate the pump head until the locking rivets on the front of the pump motor align with the corresponding mounting locations of the pump head.
3. Push the head onto the motor shaft until it bottoms.
4. Turn counterclockwise to engage mounting rivets.

CLEANING THE POINT OF INJECTION

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

Note: Low-pressure models are installed using an injection fitting and high-pressure models use an injection check valve. Both allow the extension tip to be installed in the center of the pipe directly in the flow of water to help reduce deposit accumulation.

CAUTION:

- ◆ Always wear proper protective safety equipment, such as gloves, apron, safety glasses, face shield, etc., when performing maintenance on chemical metering pumps.
 - ◆ Always disconnect all electrical connections and remove or bleed off resident system pressure in the lines and pump before performing any maintenance or repair.
1. Turn feeder off, unplug and disconnect from auxiliary equipment electrical supply.
 2. Depressurize system and bleed pressure from pump discharge tubing.
 3. Loosen and remove connecting nut and ferrule from the injection check valve or injection fitting to disconnect discharge tubing.

For high-pressure models (100 psi)

- ◆ 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 (yearly replacement recommended). If clogged, clean or replace.
 - ◆ Examine O-ring in the injection fitting and replace if deteriorated or damaged.
4. Insert a round shank 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.)
 5. Replace discharge tubing if cracked or deteriorated. If the end is clogged, cut off the calcified or blocked section of tubing.

6. For low-pressure models (25 psi)

- ◆ Replace ferrule and reinstall the discharge tubing to the injection fitting approximately 3/4"-1" until it stops.

For high pressure models (100 psi)

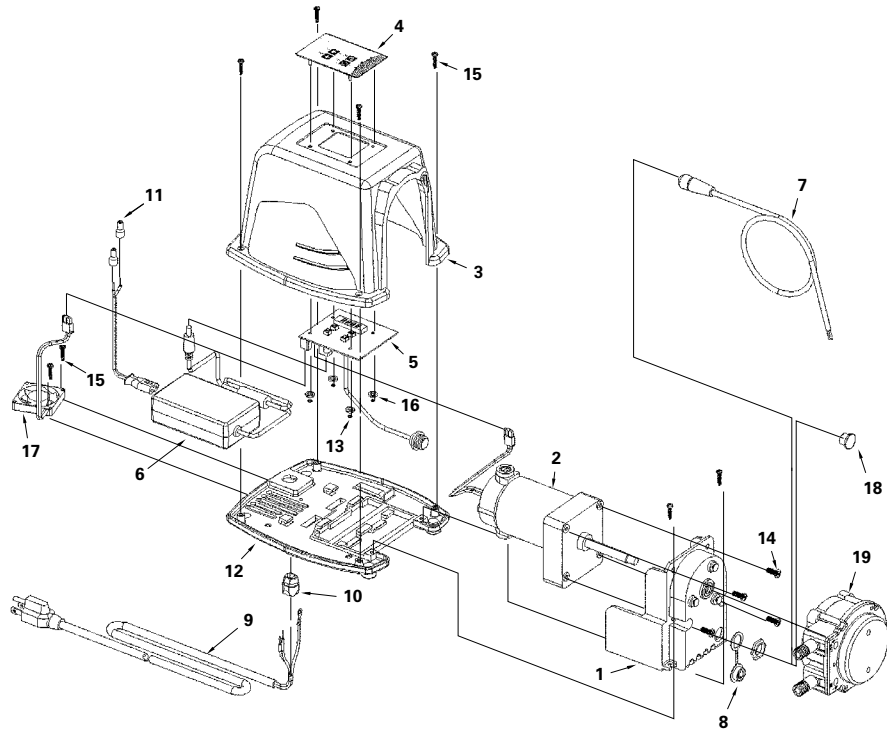
- ◆ Reassemble the injection check valve in reverse order.
 - ◆ Replace ferrule and reinstall the discharge tubing to the injection check valve approximately 3/4" until it stops.
7. Tighten the connecting nut finger tight.
 8. Enable the water pump electrical supply and pressurize the water system.
 9. Put the metering pump back in service and inspect all connections for leaks.

TROUBLESHOOTING GUIDE

PROBLEM	POSSIBLE CAUSE	SOLUTION
Keypad/Display		
IMPORTANT: DISCONNECT POWER CORD BEFORE SERVICE OR COVER REMOVAL.		
Display is blank.	No AC power at receptacle. Pump is off. Failed power supply.	Check voltage of receptacle/controller output voltage. Depress On/Off Key. Check power supply. Green LED "ON" with AC Voltage applied. Check 12vdc output to board.
No response to 4-20 mA signal.	Not in "AUTO."	Ensure display has a small LED dot located in upper left-hand corner indicating pump is in "AUTO."
Display reads "00" and does not respond when pressing up/down keys.	Pump is in "AUTO" mode of operation.	Place pump in "MANUAL" mode.
DC Motor		
Display working – Pump is not.	Worn motor brushes. Failed DC motor.	Inspect brushes for wear, replace if needed. Replace DC gearmotor if brushes are good.
Pump cycles On/Off.	Failed DC fan.	Check fan operation. Replace as required.
Tube		
IMPORTANT: A leaking tube damages the feeder. Inspect the feeder frequently for leakage and wear, and to be sure the tube is properly centered. Before replacing the tube, always thoroughly rinse out the tube housing and roller assembly to remove chemical residue.		
Tube is leaking.	Tube might be worn or ruptured. Tube not centered and rubs against roller assembly.	Replace the tube following the directions on the back of the package and in the Installation and Maintenance Manual. Ferrules must be used in connections and changed every time a tube is changed. Replace tube (see instructions for Installing and Centering). Do not use tools.
	Tube ruptures because back pressure exceeds psi rating.	Replace tube. Check injection point, check valve duckbill and lead tubes for blockage. If particulate pickup is a problem, use of strainer is recommended. Clean or replace duckbill at each tube change.
Tube Housing & Connections		
Lack of output.	Empty solution tank.	Stenner feeders can run dry; fill solution tank and feeder will resume pumping.
	Suction line above chemical line.	Use ceramic weight with clip (included in accessory kit) to prevent suction line from floating to the top of the solution tank. Be sure suction line is 2-3" from the bottom of the tank.
	Cracks are present.	Any cracks in the tube housing will deter proper pumping and wear the tube. Replace tube and any cracked component of tube housing: roller assembly, housing only, tube housing cover.
	Clogged injection point, lead tube or check valve.	Clean and replace as necessary.
	Injection point is in the wrong location.	Injection point should be located after filters, valves and pumps.
	Worn or ruptured tube.	Replace and properly center tube.

SVP EXPLODED VIEW

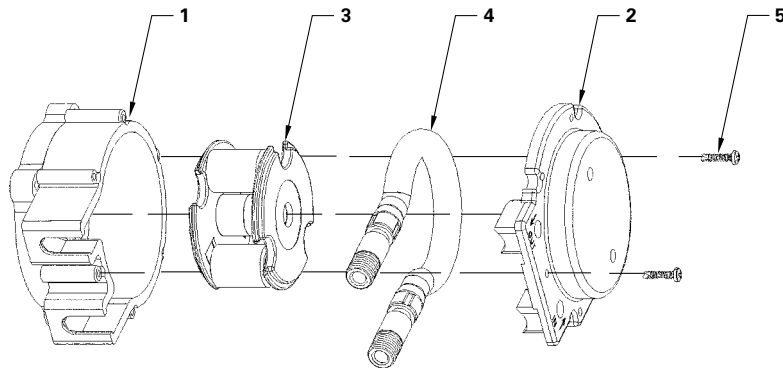
SVP Motor Assembly Parts



Description	Part No.	Description	Part No.
1* SVP1 Motor Housing (Rivets & Brg. Incl.)	SVP1100	10 Strain Relief Bushing	MP6V001
SVP4 Motor Housing (Rivets & Brg. Incl.)	SVP4100	11 Crimp Type Wire Connector	PM6E001
2 Gearmotor - 12 vdc 45 rpm	SVP1405	12 Motor Base	MP70001
3 SVP Motor Cover (overlay not incl.)	SVP1410	13 Nut (#4 x 40)	SVP1425
4 Overlay w/gasket	SVP1415	14 Motor Screw "H" (#10 x 31)	PMS000H
5* SVP1 Control Board	SVP1300	15 Cover Screw "B" (Pkg. of 10)	UCCPS0B
SVP4 Control Board w/receptacle	SVP4500	16 Thrust Washer	MP6P000
6 Power Supply	SVP1420	17 Fan - 12vdc	SVP1430
7* SVP4 4-20 mA Input Signal Cord	SVP4300	18* Motor Housing Hole Plug (SVP 1 only)	SVP1400
8* SVP4 Input Signal Receptacle Cap	SVP4400	19 Tube Housing Assemblies (Pump Head)	Refer To Tube Housing Assemblies Below
9 Power Cord - 120 vac 6' US	MP6B010		
Power Cord - 220 vac 6' US	MP6B020		
Power Cord - 230 vac 6' CE <i>International</i>	MP6B2CE		

*Specific to series noted in description

Tube Housing Assembly Parts



Description	Part No.	Description	Part No.
1 Tube Housing (Pkg. of 1)	UCCP400	4 #1 Tube Assembly 0-100 psi / Pkg. of 2	UCCP201
2 Tube Housing Cover with Bushing (Pkg. of 1)	UCCP100	#2 Tube Assembly 0-100 psi / Pkg. of 2	UCCP202
3 Roller Assembly (Pkg. of 1)	UC3ASYD	#3 Tube Assembly 0-25 psi / Pkg. of 2	UCCP203
		#4 Tube Assembly 0-25 psi / Pkg. of 2	UCCP204
		#5 Tube Assembly 0-25 psi / Pkg. of 2	UCCP205
		#7 Tube Assembly 0-100 psi / Pkg. of 2	UCCP207
		5 Cover Screw "B" (Pkg. of 10)	UCCPS0B

LIMITED WARRANTY AND SERVICE POLICY

Damaged or Lost Shipments

UPS and prepaid 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.

Returns

Stenner offers a 30-day return policy. Except as otherwise provided, no material will be accepted for return after 30 days from purchase. To return merchandise at any time, call Stenner at 800-683-2378 for a Returned Goods Authorization (RGA) number. A 15% re-stocking fee will be applied. Include a copy of your invoice or packing slip with your return.

Limited Warranty

Stenner & Co., Inc. 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 & Co., Inc. is not responsible for any removal or installation costs. Feeder tube assemblies are perishable and are not covered in this warranty, and will be replaced each time a pump is in for service, unless otherwise specified. The cost of the tube replacement will be the responsibility of the customer. Stenner & Co., Inc. will incur shipping costs for warranty products shipped from our factory in Jacksonville, Florida. 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 & Co., Inc. limits its liability solely to the cost of the original product. We make no other warranty expressed or implied.

Disclaimer

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



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Hours of Operation (EST):
Mon. – Thu. 7 AM – 5 PM
Friday 7 AM – Noon