



# Stenner Pump Preventative Maintenance Guide

## WELL WATER APPLICATION

**NOTICE:** This guide is not a substitute for the Stenner Installation and Maintenance Manual. Always follow the complete safety and operation instructions in the Installation and Maintenance Manual included with each pump.

**Clean tanks out periodically to remove build up of sediment.**

**Keep the weighted suction line strainer approximately 3" from the bottom of the tank** to prevent picking up sediment which can cause blockage in the check valve, duckbill & discharge line and reduce the life of tube.

TIP: A zip tie helps secure the strainer.

**Inspect the injection point to make sure it is clear so the solution can flow freely. Clean out as needed.** The leading causes of pump tube failures and poor feed performance are calcium or mineral deposits, sediment blockages, chemical incompatibility, exhausted or damaged check valve duckbill and worn or damaged pump components.

TIP: A #2 screwdriver fits the internal diameter of the injection fitting and can be use to loosen the build up.

**Schedule a tube replacement at regular intervals according to the specific application. For 26 to 100 psi installations, also replace the duckbill.** It is a good idea to check the cause of a pump tube failure to determine if it is regular wear for that application or if it is another part of the installation or equipment that needs attention.

**Examine the roller assembly each time a tube is replaced to confirm the rollers are turning freely. Check that there are no visible signs of wear on the rollers.**

Chemical residue can seize rollers and will contribute to reduced tube life. Before installing a new tube, rinse the pump head housing and roller assembly with water to remove chemical residue. Rollers should turn freely. No lubrication is necessary and some lubricants can degrade the tube material

**Select a dry location (to avoid water intrusion and pump damage) above a closed solution tank, in a vertical position with the pump head pointed downward.** Utilize the rain roof for an outdoor installation. The horizontal position is practical if the pump is installed indoors and water intrusion is not an issue.

**Stenner Technical Personnel is ready to assist: call: 800.683.2378.**

This information 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.



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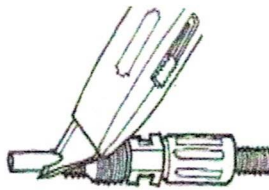
# DUCKBILL CHECK VALVE

## Replacement Instructions

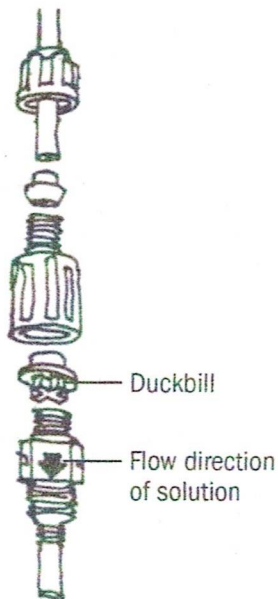
**⚠ WARNING** TO BE INSTALLED AND MAINTAINED BY PROPERLY TRAINED PROFESSIONAL INSTALLER ONLY. READ MANUAL & LABELS FOR ALL SAFETY INFORMATION & INSTRUCTIONS.

**⚠ CAUTION** Turn off water system, disable all pumps and depressurize the system before performing installation. Always wear proper protective safety equipment when working with metering pumps.

These instructions are for replacements. For initial installations, refer to the manual for the specific pump series.



Trim injection fitting quill



Injection Check Valve  
Exploded View

- 1 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.
- 2 Wrap the Male NPT (MNPT) end of injection fitting with 2 to 3 turns of threading tape. If necessary, trim the injection fitting quill as required to inject product directly into flow of water.
- 3 Hand tighten the injection fitting into the FNPT fitting.
- 4 Prior to connection, test injection check valve and NPT threads for leaks by pressurizing system. If necessary, tighten an additional 1/4 turn.
- 5 Install connecting nut and ferrule to the pump discharge line. Insert discharge line into check valve body until it reaches base of body.
- 6 Finger tighten connecting nut to fitting. If using 3/8" connections, firmly hold the check valve body and wrench tighten the 3/8" connecting nut one additional half turn. If a leak occurs, gradually tighten the 3/8" connecting nut as required.
- 7 Turn pump on and re-pressurize system. Observe chemical flow as actuated by system and check all connections for leaks.
- 8 After suitable amount of dosing time, perform tests for desired chemical readings (e.g., pH or ppm). If necessary, adjust the pump output or solution strength.

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